



# **Travel Caste Bangladesh**

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A project submitted in partial fulfillment of the requirement for the degree of Bachelor of Science in Software Engineering

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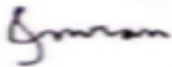
**DAFFODIL INTERNATIONAL UNIVERSITY**

Fall- 2020

# APPROVAL

This Project titled “Travel Caste Bangladesh”, submitted by Anik Kanti Sikder Mithu, ID: 161-35-1408 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.S.C in Software Engineering and approved as to its style and contents.

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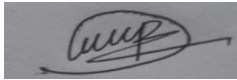
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# DECLARATION

I hereby declare that I have taken this project under the supervisor of **Mr. Md. Mushfiqur Rahman**, Lecturer, Department of Software Engineering, Daffodil International University. I also declare that neither this project nor any part of it has been submitted elsewhere for the award of any degree.

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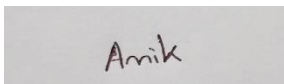
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# Table of contents

## Contents

<b>Chapter 1: Introduction</b> .....	1
Project overview .....	2
Project purpose .....	2
Background.....	2
Benefits of the project .....	2
Goals .....	3
Stakeholders.....	3
Gantt chart: .....	4
Release plan.....	5
<b>Chapter 2: Software requirements specification</b> .....	6
Functional requirements .....	7
<b>Log in</b> .....	8
<b>Sign up</b> .....	8
<b>Find location</b> .....	8
<b>Update profile</b> .....	9
<b>Create post</b> .....	9
<b>Find tour event</b> .....	9
<b>Create event</b> .....	9
<b>Add user</b> .....	10
<b>Add logo</b> .....	10
<b>Add slider</b> .....	10
<b>Add notice</b> .....	11
<b>Add contact info</b> .....	11
<b>Add about us</b> .....	11
<b>Add division</b> .....	11
<b>Add category</b> .....	12
<b>Add hotel</b> .....	12
<b>Add location</b> .....	12
<b>Manage post request</b> .....	12
<b>Manage event request</b> .....	13
<b>Live chat</b> .....	13

Performance requirements .....	13
Dependability requirements .....	14
Maintainability and supportability requirements.....	15
<b>Chapter 3: Requirement analysis.....</b>	<b>17</b>
Use case diagram .....	18
Use case description .....	20
User use case description.....	20
<b>Sign up.....</b>	<b>20</b>
<b>Log in .....</b>	<b>20</b>
<b>Find location.....</b>	<b>21</b>
<b>Update profile .....</b>	<b>21</b>
<b>Create post .....</b>	<b>22</b>
<b>Find tour event.....</b>	<b>22</b>
<b>Create event .....</b>	<b>23</b>
Admin use case description .....	23
<b>Add user .....</b>	<b>24</b>
<b>Update profile .....</b>	<b>24</b>
<b>Add logo .....</b>	<b>24</b>
<b>Add slider .....</b>	<b>25</b>
<b>Add notice .....</b>	<b>25</b>
<b>Add contact us.....</b>	<b>26</b>
<b>Add about us .....</b>	<b>27</b>
<b>Add division .....</b>	<b>27</b>
<b>Add category .....</b>	<b>28</b>
<b>Add hotel .....</b>	<b>28</b>
<b>Add location .....</b>	<b>29</b>
<b>Monitor post request.....</b>	<b>29</b>
<b>Monitor event request.....</b>	<b>30</b>
<b>Live chat.....</b>	<b>30</b>
Activity diagram .....	31
<b>User sign up.....</b>	<b>31</b>
<b>User log in .....</b>	<b>32</b>
<b>Find location.....</b>	<b>33</b>
<b>Update profile .....</b>	<b>34</b>
<b>Create post .....</b>	<b>35</b>

<b>Find tour event</b> .....	36
<b>Create event</b> .....	37
<b>Live chat</b> .....	38
<b>Admin log in</b> .....	39
<b>Add user</b> .....	40
<b>Update profile</b> .....	41
<b>Add logo</b> .....	42
<b>Add slider</b> .....	43
<b>Add notice</b> .....	44
<b>Add contact us</b> .....	45
<b>Add about us</b> .....	46
<b>Add division</b> .....	47
<b>Add category</b> .....	48
<b>Add hotel</b> .....	49
<b>Add location</b> .....	50
<b>Manage post request</b> .....	51
<b>Manage event request</b> .....	52
<b>Live chat</b> .....	53
Sequence diagram .....	54
<b>Log in and registration</b> .....	54
<b>Find location</b> .....	55
<b>Update profile</b> .....	56
<b>Create post</b> .....	57
<b>Find tour event</b> .....	58
<b>Create event</b> .....	59
<b>Live chat</b> .....	60
<b>Add user</b> .....	61
<b>Update profile</b> .....	62
<b>Add logo</b> .....	63
<b>Add slider</b> .....	64
<b>Add notice</b> .....	65
<b>Add contact us</b> .....	66
<b>Add about us</b> .....	67
<b>Add division</b> .....	68
<b>Add category</b> .....	69

<b>Add hotel</b> .....	70
<b>Add location</b> .....	71
<b>Manage post request</b> .....	72
<b>Manage event request</b> .....	73
<b>Live chat</b> .....	74
<b>Chapter 4: System design specification</b> .....	75
Development tools and technology .....	76
User interface technology .....	76
CSS framework or bootstrap.....	76
Programming language.....	76
Implemented tools and platform .....	76
Integrated development environment (IDE) .....	76
Database server .....	76
Class diagram.....	77
Entity relationship diagram (ERD).....	78
<b>Chapter 5: System test</b> .....	79
Testing features.....	80
<b>User part</b> .....	80
<b>Admin part</b> .....	80
Traceability Matrix.....	81
<b>User part</b> .....	81
<b>Admin part</b> .....	82
Test case .....	83
<b>Sign up</b> .....	83
<b>Log in</b> .....	83
<b>Find location</b> .....	84
<b>Update profile</b> .....	84
<b>Create post</b> .....	85
<b>Find tour event</b> .....	85
<b>Create tour event</b> .....	86
<b>Live chat</b> .....	86
<b>Admin log in</b> .....	87
<b>Add user</b> .....	87
<b>Update profile</b> .....	88
<b>Add logo</b> .....	88

<b>Add slider</b> .....	89
<b>Add notice</b> .....	89
<b>Add contact us</b> .....	90
<b>Add about us</b> .....	90
<b>Add division</b> .....	91
<b>Add category</b> .....	91
<b>Add hotel</b> .....	92
<b>Add location</b> .....	92
<b>Manage post request</b> .....	93
<b>Manage event request</b> .....	93
<b>Live chat</b> .....	94
<b>Chapter 6: User manual</b> .....	95
User registration .....	96
Log in .....	96
Home page .....	97
Find location .....	98
Find tour event .....	98
My profile .....	99
Edit profile .....	99
Change password .....	100
Create post .....	100
Create event .....	101
Admin dashboard .....	101
Add user .....	102
Admin profile .....	102
Add logo .....	103
Add slider .....	103
Add notice .....	104
Add contact .....	104
Add about us .....	105
Add division .....	105
Add category .....	106
Add hotel .....	106
Add location .....	107
Manage post request .....	107



Manage event request.....	108
<b>Chapter 7: Conclusion.....</b>	<b>109</b>
Project Summary.....	110
Limitations.....	110
Obstacles and Achievements .....	110
Future scope.....	110
References .....	110
<b>Plagiarism report .....</b>	<b>111</b>

# **Chapter 1: Introduction**

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## **Project overview**

Everybody loves traveling. Generally, we travel only to common places that are known to everybody. But there are many beautiful places in Bangladesh that we're not familiar with or newly discovered. To travel to a specific location sometimes we need experienced people and groups who know the places very well. Through different online platforms, people also provide information, experiences of commonplaces of Bangladesh most of the time. So, at a time there is nothing new to the travelers. So, this project "Travel Caste Bangladesh" will provide correct information, experiences of all the traveling places of the country whether is known or unknown. Also, this system will create a beautiful community among all the travel lovers.

## **Project purpose**

"Travel Caste Bangladesh" will provide all the correct information to the travelers to make travelling easy. A user can select a division name and this website will provide the all the explored or new places with the already available places of that specific division. Also an user can find locations by category wise. A user can also have a profile and through their profile, they will able to add new location, share their experience, edit profile, create event, see other user's profile and their created events ad also will be able to join their events. That information will be monitored by the admin of the system.

## **Background**

Through different online platforms, people also provide information, experiences of common places of Bangladesh most of the time. So, first of all there is nothing new to travelers and the effect of social media. Secondly, most of the information on social media today is fake. People often share or provide incorrect information to show off and that is poor for travel lovers especially those who are new. So, all the information will be monitored by admin whether it is right or not. Anyone from every corner of the country will be able to share new traveling scopes of our beautiful country. Thirdly, there are no strong traveling community platform available in Bangladesh.

## **Benefits of the project**

The main purpose of the development of this project is to create a simple, clean and trustworthy travel community among travelers. On the other hand, reshaping and improving the way of getting the correct information and make life easy for travelers.

### **Benefits are given below-**

- ❖ A large number of travelers community is available
- ❖ A large number of travelling places are available
- ❖ A chance of discovering unknown traveling places
- ❖ A user can find the best traveling placesf through division search

- ❖ A user can share a new discovering travel location with the community
- ❖ A user can create tour event to take a tour with other members of the community
- ❖ A user can join to an tour event
- ❖ An admin will always monitor the given information whether it is correct or not
- ❖ A user can live chat with admin

## Goals

Using this system a user can get the correct information and stay connected with the community with the same taste. In the future, we're planning to extend the community worldwide. After that, anyone can find out about the best places through state search of a country. We hope this day is not too far.

## Stakeholders

There are two stakeholders in this system. They are given below-

- ❖ Admin
- ❖ User

**Admin:** Admin has all the right to manage the “Travel Caste Bangladesh”. For this admin must log in with valid email address and password. The admin can add new location, hotel to the site. Admin can monitor user's post, event request and has the ability of approving and deleting.

**User:** User can find different traveling locations by division wise, category wise, location name wise search. User can edit his profile, share experience, create event and also join other people's events.

## Project schedule

In a software project development, the schedule is very much important to complete in the estimated time. In our project to follow the schedule, we made a Gantt chart and a release plan for perversion release. Here is the Gantt chart to release our first version-

Gantt chart:

Activities	Weeks	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
	<b>Tasks</b>												
Planning	Project planning	█											
	Problem define	█											
	Feasibility study		█										
	Proposal planning		█										
Requirements	Collections		█	█	█								
	Analysis			█	█								
Design	Sketching				█								
	System design					█	█						
	Class design					█							
Implementation-01	Admin module						█	█	█	█			
	Test case								█				
	Unit testing								█				
Implementation-02	User module									█	█	█	█
	Test case											█	
	Unit testing											█	
Testing	Black box testing												█
Delivery	Release												█

Schedule time	█	Buffer time	█
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## Release plan

Activities	Duration	Total time
Planning	(1-2)th weeks	2 weeks
Requirements	(2-4)th weeks	3 weeks
System design	(4-6)th weeks	2 weeks
Implementation	(6-12)th weeks	7 weeks
Quality assurance	(8-12)th weeks	5 weeks ( With implementation )
Release	(12)th week	13 weeks

# **Chapter 2: Software requirements specification**

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## Functional requirements

Functional requirements means the basic function of a system. Our system's basic functional requirements are described below:

### Priority charts

By using a priority chart we can easily find out which requirements are important and urgent. In the priority matrix, there are two part. One is urgent and one is important. Our priority matrix is given below:

- ❖ Important and urgent – High priority
- ❖ Important but not urgent – Medium priority
- ❖ Not important but urgent – Low priority
- ❖ Not important and not urgent – Ignore

### Features based on priority charts

Functional requirements id	Important	Urgent	Priority
FR01	Yes	Yes	High
FR02	Yes	Yes	High
FR03	Yes	Yes	High
FR04	Yes	Yes	High
FR05	Yes	Yes	High
FR06	Yes	Yes	High
FR07	Yes	Yes	High
FR08	Yes	Yes	High
FR09	No	No	Medium
FR10	No	No	Medium
FR11	No	No	Medium
FR12	No	No	Medium
FR13	No	No	Medium
FR14	Yes	Yes	High
FR15	Yes	Yes	High
FR16	Yes	Yes	High



FR17	Yes	Yes	High
FR18	Yes	Yes	High
FR19	Yes	Yes	High
FR20	Yes	Yes	High

### Log in

<b>FR01</b>	<b>Log in</b>
<b>Description</b>	Admin, user provides a valid email address and password. After that, admin and user can be able to log into their panel.
<b>Stakeholders</b>	Admin, User
<b>Priority</b>	High

### Sign up

<b>FR02</b>	<b>Sign up</b>
<b>Description</b>	User creates his own account and provides his name, phone number, valid email and password. After providing information a confirmation code will send to provided email. After confirming, user can successfully sign up for the site.
<b>Stakeholders</b>	User
<b>Priority</b>	High

### Find location

<b>FR03</b>	<b>Find location</b>
<b>Description</b>	User can find traveling locations through division wise, category wise and all the details about those locations.
<b>Stakeholders</b>	User

<b>Priority</b>	High
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### Update profile

<b>FR04</b>	<b>Update profile</b>
<b>Description</b>	a) User, Admin can edit their profile by adding or removing information, change profile picture b) User, Admin can change their account's current password
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	High

### Create post

<b>FR05</b>	<b>Create post</b>
<b>Description</b>	User can create post by providing correct information to the site. After post is submitted the system will show a notification message to the user
<b>Stakeholders</b>	User
<b>Priority</b>	High

### Find tour event

<b>FR06</b>	<b>Find tour event</b>
<b>Description</b>	User can all the current tour events and their details on the site and join the events.
<b>Stakeholders</b>	User
<b>Priority</b>	High

### Create event

<b>FR07</b>	<b>Create event</b>
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<b>Description</b>	User can create tour event to the site by providing valid information. After that, the system will show an notification message to the user
<b>Stakeholders</b>	User
<b>Priority</b>	High

### **Add user**

<b>FR08</b>	<b>Add user</b>
<b>Description</b>	Admin can add new user as an admin to manage the site
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add logo**

<b>FR09</b>	<b>Add logo</b>
<b>Description</b>	Admin can add logo the site if there is no logo. If a logo is already available, then admin can replace it with another logo. But can not add multiple logos
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add slider**

<b>FR010</b>	<b>Add slider</b>
<b>Description</b>	Admin can add slider images and their heading, body text to the site
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add notice**

<b>FR011</b>	<b>Add notice</b>
<b>Description</b>	Admin can add important notice to the site
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add contact info**

<b>FR012</b>	<b>Add contact info</b>
<b>Description</b>	Admin can add contact us (how an user can contact with the site authority) information
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add about us**

<b>FR013</b>	<b>Add about us</b>
<b>Description</b>	Admin can add about us (about the site) information
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add division**

<b>FR014</b>	<b>Add division</b>
<b>Description</b>	Admin can add new division to the site (like Dhaka, Barisal)
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add category**

<b>FR015</b>	<b>Add category</b>
<b>Description</b>	Admin can add new traveling spot category to the site (like Sea beach, Hill tracts)
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add hotel**

<b>FR16</b>	<b>Add hotel</b>
<b>Description</b>	Admin can add new hotels to different locations
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Add location**

<b>FR17</b>	<b>Add location</b>
<b>Description</b>	Admin can add new location to the site by providing valid information
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### **Manage post request**

<b>FR18</b>	<b>Manage post request</b>
<b>Description</b>	Admin can manage user post request by monitoring them. Admin review the post details and decides whether it is to approve or remove
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### Manage event request

<b>FR19</b>	<b>Manage event request</b>
<b>Description</b>	Admin can manage user event request by monitoring them. Admin review the event details and decides whether it is to approve or remove
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### Live chat

<b>FR20</b>	<b>Live chat</b>
<b>Description</b>	User, Admin can live chat with each other
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	High

### Performance requirements

Performance requirements play a very important role in software development and we always try to maintain in.

### Speed requirements

<b>SR01</b>	<b>Read data from server</b>
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<b>Description</b>	When a user sends a request to read data, it can read data from the server within 2 seconds
<b>Stakeholders</b>	Admin, User
<b>Priority</b>	High

### Accuracy requirements

<b>AC01</b>	<b>Post information must be valid</b>
<b>Description</b>	When a user creates a post, information must be true, legal
<b>Stakeholders</b>	Admin, User
<b>Priority</b>	High

### Capacity requirements

<b>CA01</b>	<b>Image size</b>
<b>Description</b>	When an admin or user uploads an image in the server the image size must have to be under 5mb
<b>Stakeholders</b>	Admin, User
<b>Priority</b>	High

### Dependability requirements

#### Reliability requirements

<b>RR01</b>	<b>The system has to be error-free</b>
<b>Description</b>	The whole system must be error-free. Every module must be work every time without any problem
<b>Stakeholders</b>	Admin, User

<b>Priority</b>	High
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### Availability requirements

<b>RR01</b>	<b>The system has to available all the time</b>
<b>Description</b>	The whole system must be available for 24 x7
<b>Stakeholders</b>	Admin, User
<b>Priority</b>	High

### Maintainability and supportability requirements

Maintenance and support of a system are the most important for running a system.

### Maintenance requirements

After releasing a system adding a further feature, fixed bugs, handling data is called

Maintaining the system. Without it, the system will fail. To maintain we have to follow:

- ❖ Corrective maintenance
- ❖ Adaptive maintenance
- ❖ Perfective maintenance
- ❖ Preventative maintenance

### Supportability performance

The system provider needs specific technical knowledge for the update and provides support this system. Developers need the required knowledge about the data flow technique.

- ❖ Operation: Loading, unloading, usage, executing
- ❖ Training: Provide directions primarily to know the system
- ❖ Modification: Fix bug, add a new feature

### Security requirements

Security requirements that are strictly followed are given below:

- ❖ Permission to access data
- ❖ Verification
- ❖ Securing information

### Access control



Every system has its own security barrier to prevent unauthorized access to the system. We also use a barrier. Some of them are given below:

- ❖ Maintain security policy
- ❖ Maintain client site data entry policy
- ❖ Strong access control measure
- ❖ Maintain strong password policy

### **Integrity requirements**

Ensure that data and communication are not manipulated by unauthorized users. We follow some steps, that are given below:

- ❖ Keep backups
- ❖ Hashing
- ❖ Maintenance

### **Usability and human integrity requirements**

How the users feel comfortable to use and their overall engagement with the system. Our system is easy to understand, clean and effective.

### **User requirements**

Our system is very user friendly. There is no hard module, which a user can't understand. We built it for travelers across the whole country and world.

### **Training requirements**

The system is too easy. So, training is not necessary but a simple guideline for users.

# **Chapter 3: Requirement analysis**

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## Use case diagram

Use case diagram for Travel Caste Bangladesh is given below:

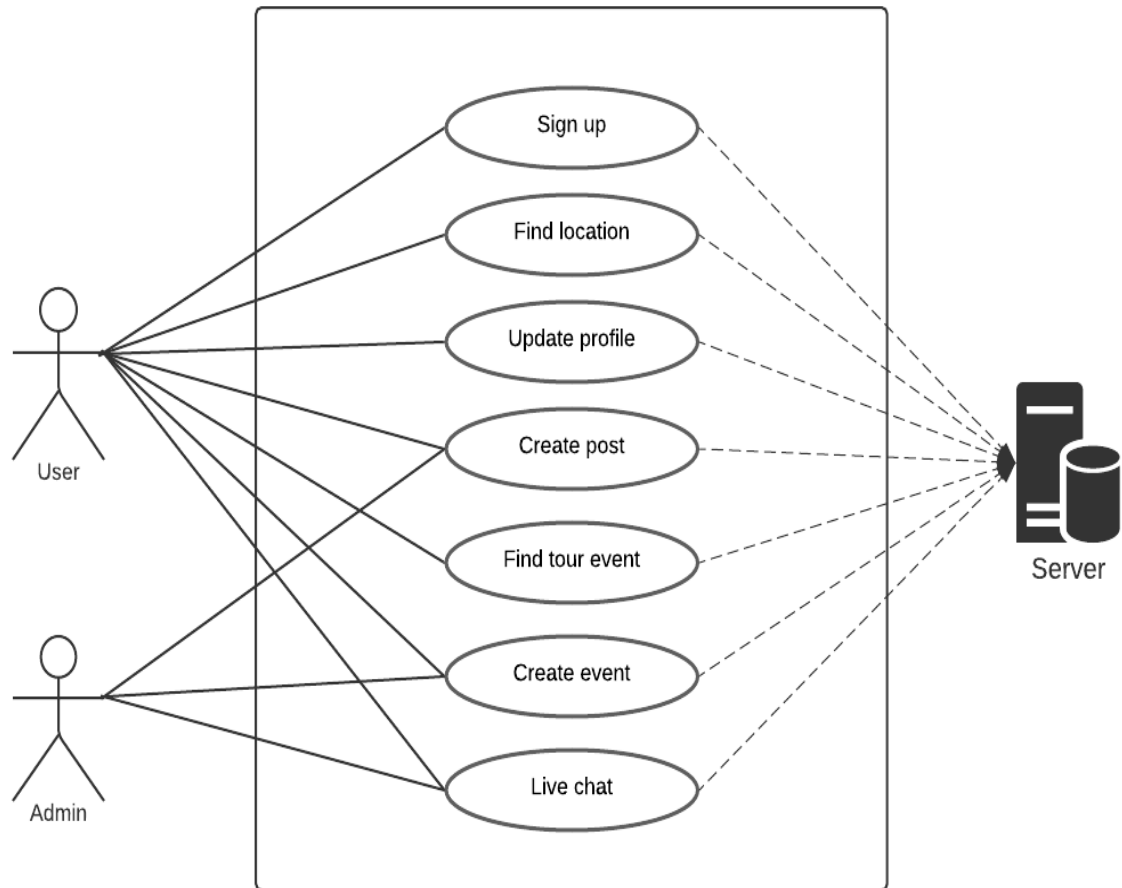


Figure 3.1: Use case diagram (User)

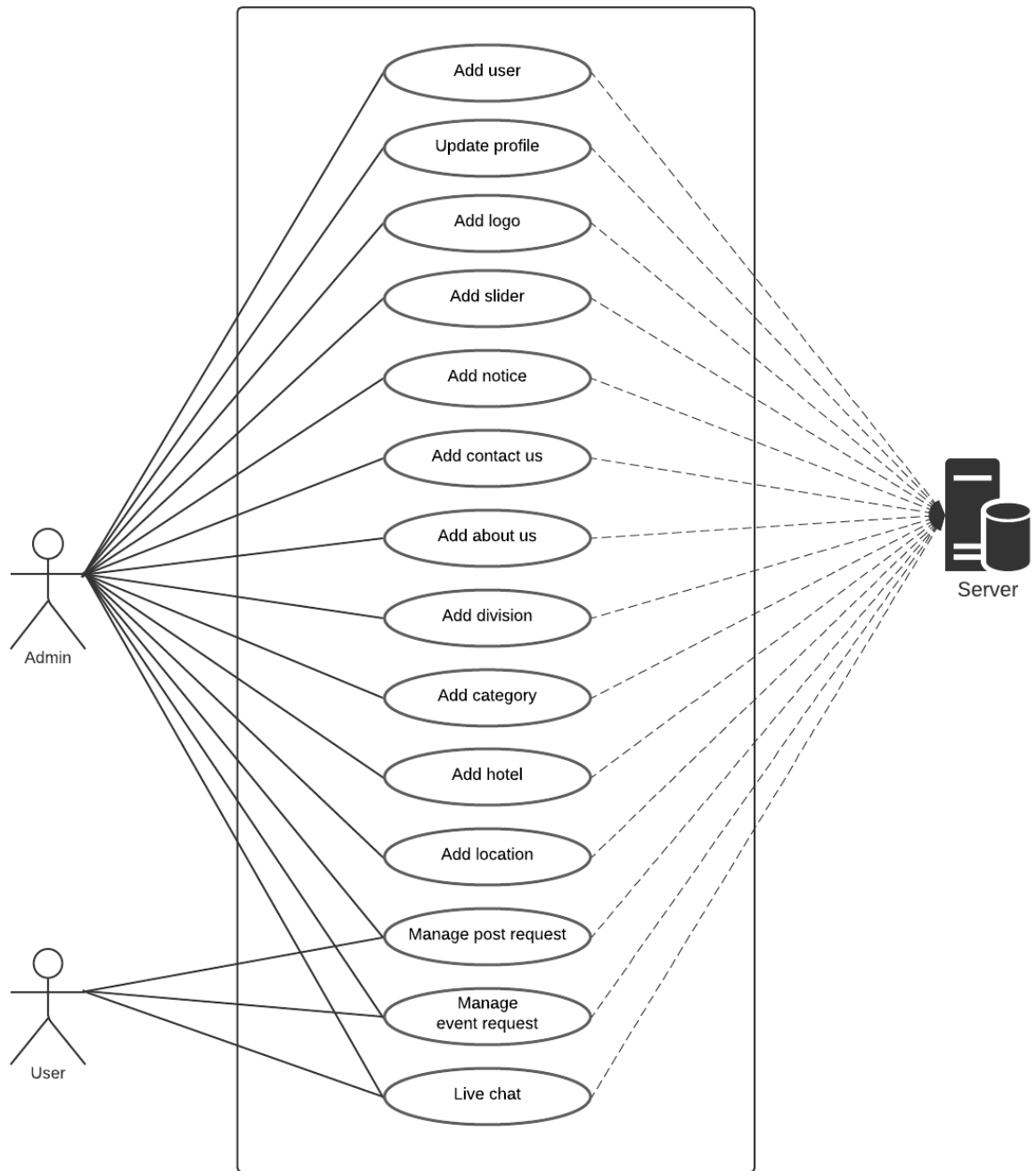


Figure 3.1: Use case diagram (Admin)

## Use case description

Use case description give us an idea about main feature of the system.

## User use case description

User use case description is given below:

### Sign up

<b>Use case title</b>	Sign up
<b>Goal</b>	Successfully create user account
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• All data provided by user must be valid</li><li>• User must have an internet connection</li><li>• Registered user is not allowed</li></ul>
<b>Success end condition</b>	Successfully create user account
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Invalid data</li><li>• Failed to create an account</li></ul>
<b>Actors</b>	User
<b>Trigger</b>	Sign up
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show the email verification page</li><li>2) After successfully verified email system will show the user registration form</li><li>3) Enter all valid basic data, the system will show sign up form</li><li>4) Create successful account will show user log in page</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Email verification failed and email already exists</li><li>2. Invalid information</li><li>3. Failed to create user account</li></ol>

### Log in

<b>Use case title</b>	Log in
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<b>Goal</b>	Successfully log into user account
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• All data provided by user must be valid</li> <li>• User must have an internet connection</li> <li>• User must be registered</li> </ul>
<b>Success end condition</b>	Successfully log in to user account
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Authentication failed</li> </ul>
<b>Actors</b>	User, Admin
<b>Trigger</b>	Log in
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show log in page</li> <li>2) Entered valid email and the user click on the login button</li> <li>3) After successfully logged in system will show user profile page</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Invalid email address</li> <li>2. Authentication failed</li> </ol>

### Find location

<b>Use case title</b>	Find location
<b>Goal</b>	Successfully find locations
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• User must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully finds locations
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Failed to load the page</li> </ul>
<b>Actors</b>	User
<b>Trigger</b>	Select division
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show the select division menu on the navigation bar of the system</li> <li>2) Select the division</li> <li>3) The system will show the traveling locations division wise</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. User failed to find the select division menu</li> <li>2. Failed to load the page</li> </ol>

### Update profile

<b>Use case title</b>	Update profile
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<b>Goal</b>	Change profile information
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• User must be registered</li> <li>• User must have internet connection</li> </ul>
<b>Success end condition</b>	User information will be updated
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Failed to update user information</li> </ul>
<b>Actors</b>	User
<b>Trigger</b>	Update profile
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show user profile page</li> <li>2) Insert new information in the field</li> <li>3) After validation of data information will be updated</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Invalid information</li> <li>2. Duplicate entry not allowed</li> </ol>

### Create post

<b>Use case title</b>	Create post
<b>Goal</b>	Successfully post created
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• User must be registered</li> <li>• All data provided by the user must be valid</li> </ul>
<b>Success end condition</b>	Successfully post created
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Location add failed</li> </ul>
<b>Actors</b>	User, Admin
<b>Trigger</b>	Share
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show the share experience page</li> <li>2) Enter valid information</li> <li>3) The system will show the success message</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Invalid information</li> <li>2. The post is declined</li> </ol>

### Find tour event

<b>Use case title</b>	Find tour event
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<b>Goal</b>	Successfully find events
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>User must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully finds tour events
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>Failed to load the page</li> </ul>
<b>Actors</b>	User
<b>Trigger</b>	Tour events
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>The system will show the tour events menu on the navigation bar of the system</li> <li>Click on the menu</li> <li>The system will show all the running events</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>User failed to find the select division menu</li> <li>Failed to load the page</li> </ol>

### Create event

<b>Use case title</b>	Create event
<b>Goal</b>	Successfully creates an event
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>User must be registered</li> <li>All information about event provided by the user must be valid</li> </ul>
<b>Success end condition</b>	Successfully creates an event
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>Event create failed</li> </ul>
<b>Actors</b>	User
<b>Trigger</b>	Create event
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>The system will show the create event button on profile page</li> <li>Enter valid information</li> <li>After successfully provide valid information it will wait for admin approval</li> <li>After the admin approves the post will show on the system</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>Invalid information</li> <li>The post is declined by the admin</li> </ol>

### Admin use case description

Admin use case description is given below:



## Add user

<b>Use case title</b>	Add user
<b>Goal</b>	Successfully add a user
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• Admin must have an internet connection</li></ul>
<b>Success end condition</b>	Successfully added a user
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• user add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add user
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show add user menu on admin panel</li><li>2) Enter user role, user name, email and password</li><li>3) Information must be valid</li><li>4) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Invalid information</li><li>2. Duplicate entry failed</li></ol>

## Update profile

<b>Use case title</b>	Update profile
<b>Goal</b>	Change profile information
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be registered</li><li>• Admin must have internet connection</li></ul>
<b>Success end condition</b>	Admin information will be updated
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Failed to update admin information</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Update profile
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show admin profile page</li><li>2) Insert new information in the field</li><li>3) After validation of data information will be updated</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Invalid information</li><li>2. Duplicate entry not allowed</li></ol>

## Add logo

<b>Use case title</b>	Add logo
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<b>Goal</b>	Successfully add logo
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully added logo
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Logo add failed</li> </ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add logo
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show add logo menu on admin panel</li> <li>2) Click on add logo</li> <li>3) Add logo image</li> <li>4) Click on submit button</li> <li>5) The logo will be uploaded and the system will show the success message</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Failed to load the page</li> </ol>

### Add slider

<b>Use case title</b>	Add slider
<b>Goal</b>	Successfully add slider
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully added slider
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Slider add failed</li> </ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add slider
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show add slider menu on admin panel</li> <li>2) Click on add slider</li> <li>3) Add slider images, slider heading, slider text</li> <li>4) Click on add button</li> <li>5) The slider will be uploaded and the system will show the success message</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Failed to load the page</li> </ol>

### Add notice

<b>Use case title</b>	Add notice
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<b>Goal</b>	Successfully add notice
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully added notice
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Notice add failed</li> </ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add slider
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show add notice menu on admin panel</li> <li>2) Click on add notice</li> <li>3) Add notice information</li> <li>4) Click on add button</li> <li>5) The notice will be uploaded and the system will show the success message</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Failed to load the page</li> </ol>

### Add contact us

<b>Use case title</b>	Add contact us
<b>Goal</b>	Successfully add contact us information
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>
<b>Success end condition</b>	Successfully added contact us information
<b>Failed end condition</b>	<ul style="list-style-type: none"> <li>• Contact us information add failed</li> </ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add contact
<b>Main success scenario</b>	<ol style="list-style-type: none"> <li>1) The system will show add contact menu on admin panel</li> <li>2) Click on add contact</li> <li>3) Add all the information of contact us</li> <li>4) Click on add button</li> <li>5) The contact us information will be added and the system will show the success message</li> </ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"> <li>1. Failed to load the page</li> </ol>

### Add about us

<b>Use case title</b>	Add about us
<b>Goal</b>	Successfully add about us information
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• Admin must have an internet connection</li></ul>
<b>Success end condition</b>	Successfully added about us information
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• About us information add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add about us
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show add about us menu on admin panel</li><li>2) Click on add about us</li><li>3) Add all the information of about us</li><li>4) Click on add button</li><li>5) The about us info will be added and the system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Failed to load the page</li></ol>

### Add division

<b>Use case title</b>	Add division
<b>Goal</b>	Successfully add a division
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• All data provided by the user must be valid</li></ul>
<b>Success end condition</b>	Successfully added a division
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Division add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add division
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>5) The system will show add division menu on admin panel</li><li>6) Enter division name</li><li>7) Information must be valid</li><li>8) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>3. Invalid information</li><li>4. Duplicate entry failed</li></ol>

### Add category

<b>Use case title</b>	Add category
<b>Goal</b>	Successfully add a traveling place category
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• All data provided by the user must be valid</li></ul>
<b>Success end condition</b>	Successfully added a category
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Category add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add category
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show add category menu on admin panel</li><li>2) Enter category name</li><li>3) Information must be valid</li><li>4) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Invalid information</li><li>2. Duplicate entry failed</li></ol>

### Add hotel

<b>Use case title</b>	Add hotel
<b>Goal</b>	Successfully add a hotel to a location
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• All data provided by the user must be valid</li></ul>
<b>Success end condition</b>	Successfully added a hotel
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Hotel add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add hotel
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show add hotel menu on admin panel</li><li>2) Select location</li><li>3) Enter hotel name</li><li>4) Information must be valid</li><li>5) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>3. Invalid information</li><li>4. Duplicate entry failed</li></ol>

## Add location

<b>Use case title</b>	Add location
<b>Goal</b>	Successfully add a location to the site
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• All data provided by the user must be valid</li></ul>
<b>Success end condition</b>	Successfully added a location
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Location add failed</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Add
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show add location menu on admin panel</li><li>2) Enter location name</li><li>3) Information must be valid</li><li>4) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Invalid information</li><li>2. Duplicate entry failed</li></ol>

## Monitor post request

<b>Use case title</b>	Manage post request
<b>Goal</b>	Post request monitored successfully
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• Admin must have an internet connection</li></ul>
<b>Success end condition</b>	Successfully post request monitored
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Failed to load the page</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Post request
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show post request menu on the admin panel</li><li>2) Admin check new post details and check whether the information is valid or invalid</li><li>3) If information is valid, admin click on the approve button and the post is approved</li><li>4) If the information is invalid, admin click on the remove button to remove the post</li><li>5) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Failed to load the page</li></ol>

## Monitor event request

<b>Use case title</b>	Manage event request
<b>Goal</b>	Event request monitored successfully
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• Admin must be logged in</li><li>• Admin must have an internet connection</li></ul>
<b>Success end condition</b>	Successfully event request monitored
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Failed to load the page</li></ul>
<b>Actors</b>	Admin
<b>Trigger</b>	Event request
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show event request menu on the admin panel</li><li>2) Admin check new event details and check whether the information is valid or invalid</li><li>3) If information is valid, admin click on the approve button and the event is approved</li><li>4) If the information is invalid, admin click on the remove button to remove the event</li><li>5) The system will show the success message</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Failed to load the page</li></ol>

## Live chat

<b>Use case title</b>	Live chat
<b>Goal</b>	Successfully live chat
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• User must have internet connection</li></ul>
<b>Success end condition</b>	Live chat successful
<b>Failed end condition</b>	<ul style="list-style-type: none"><li>• Live chat failed</li></ul>
<b>Actors</b>	User, Admin
<b>Trigger</b>	Click here
<b>Main success scenario</b>	<ol style="list-style-type: none"><li>1) The system will show chat field</li><li>2) Type message and send</li></ol>
<b>Alternative success scenario</b>	<ol style="list-style-type: none"><li>1. Failed to load the chat field</li></ol>

## Activity diagram

Activity diagram is very important to understand the system for general user. Our system activity diagrams are given below:

### User sign up

A user can sign up by entering all valid data.

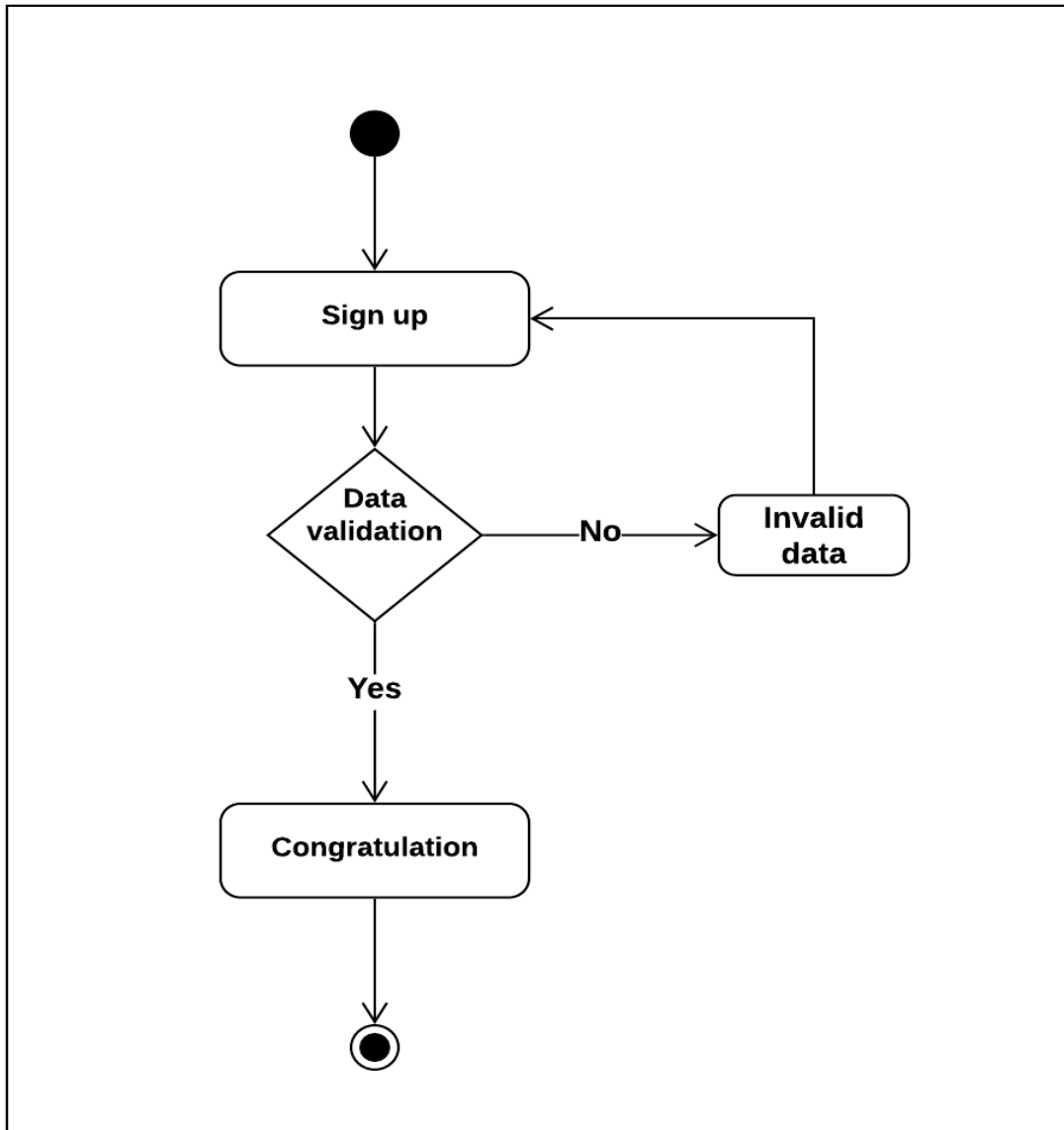


Figure 3.5.1: User sign up activity diagram



## User log in

User log in with valid email address and password.

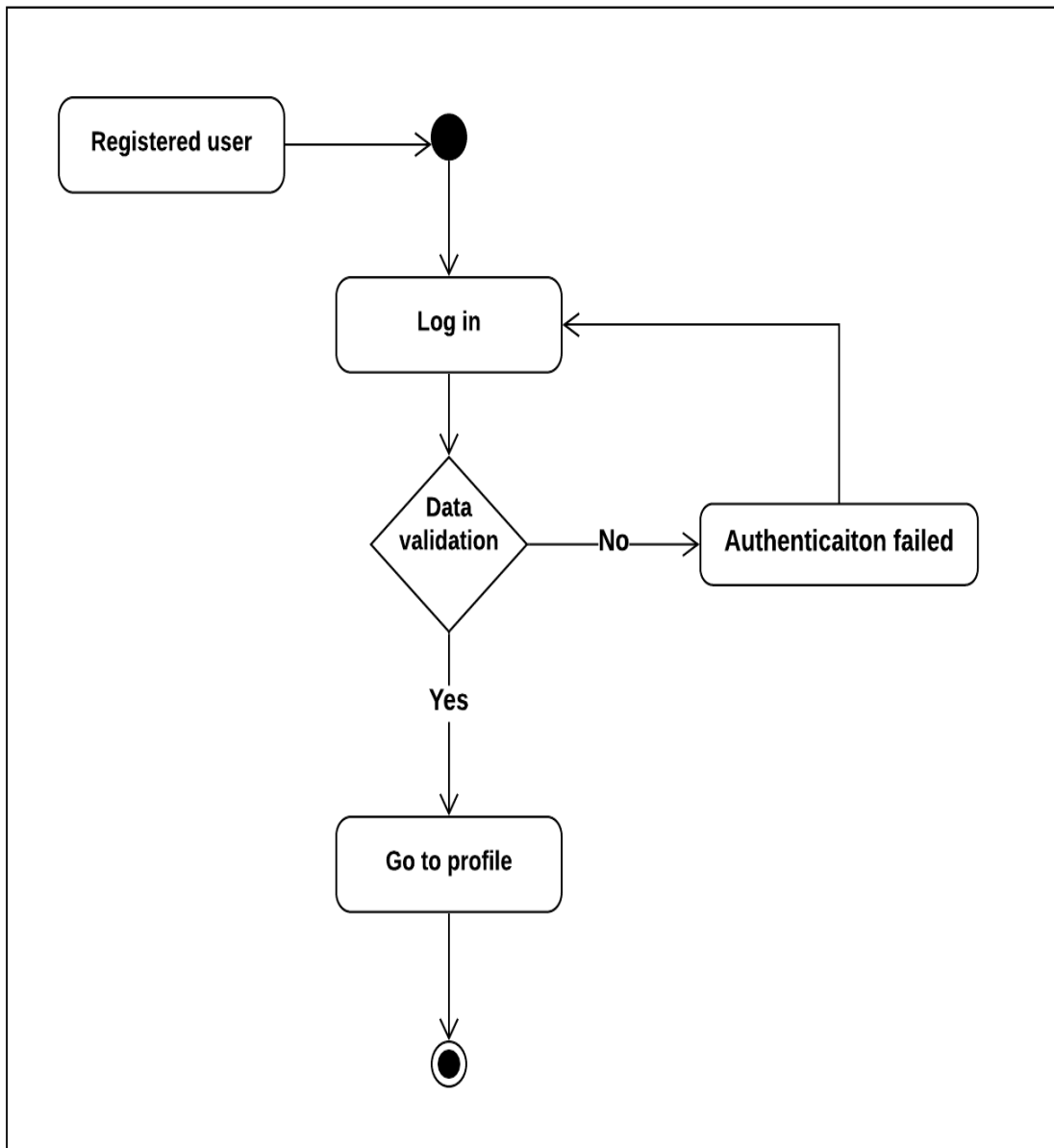


Figure 3.5.2: User log in activity diagram

### Find location

To find location user have to click on find location menu on the navigation bar and select division.

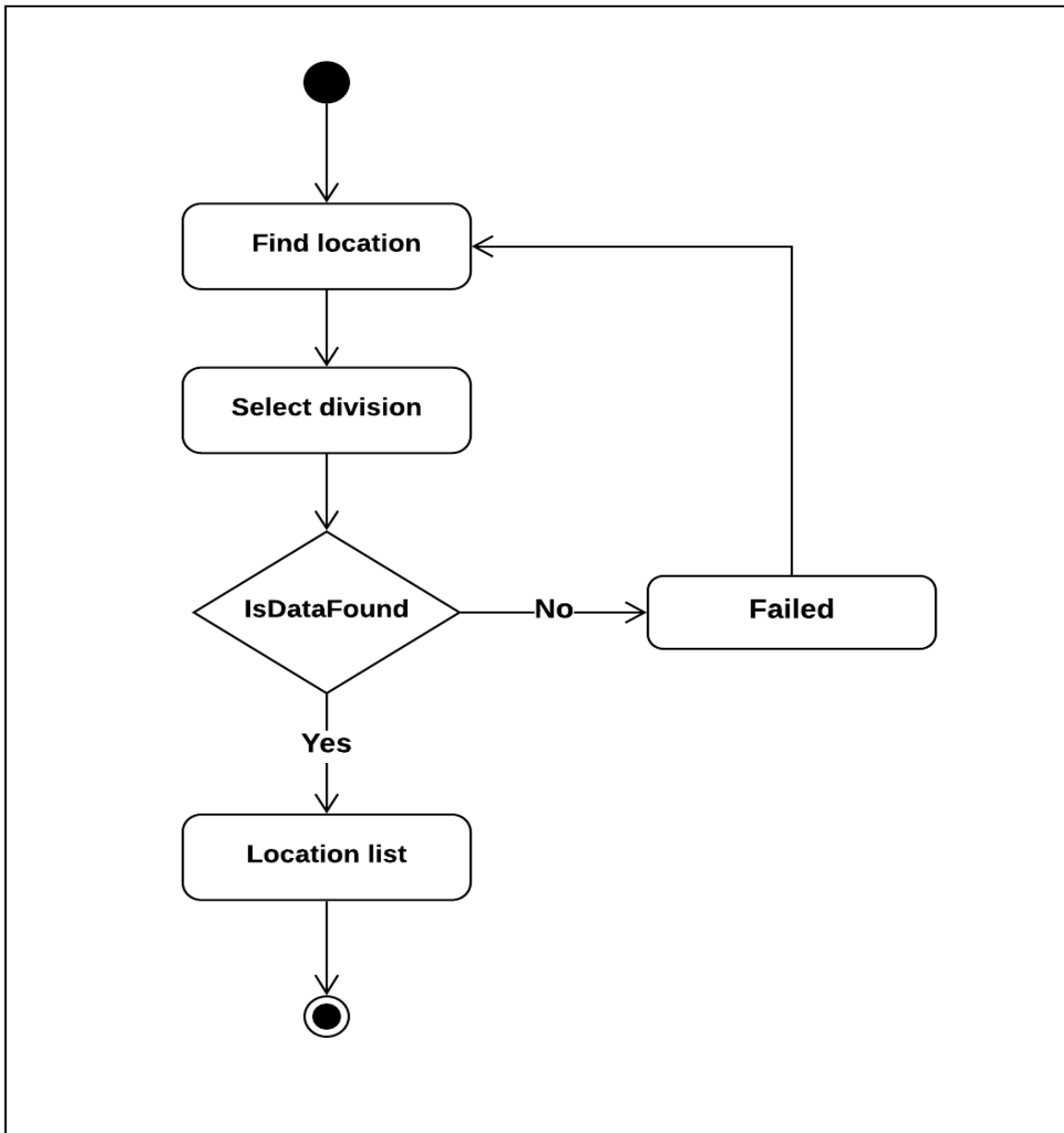


Figure 3.5.3: Find location activity diagram

### Update profile

To update user profile, must entered valid data. Duplicate email address, phone number is not allowed.

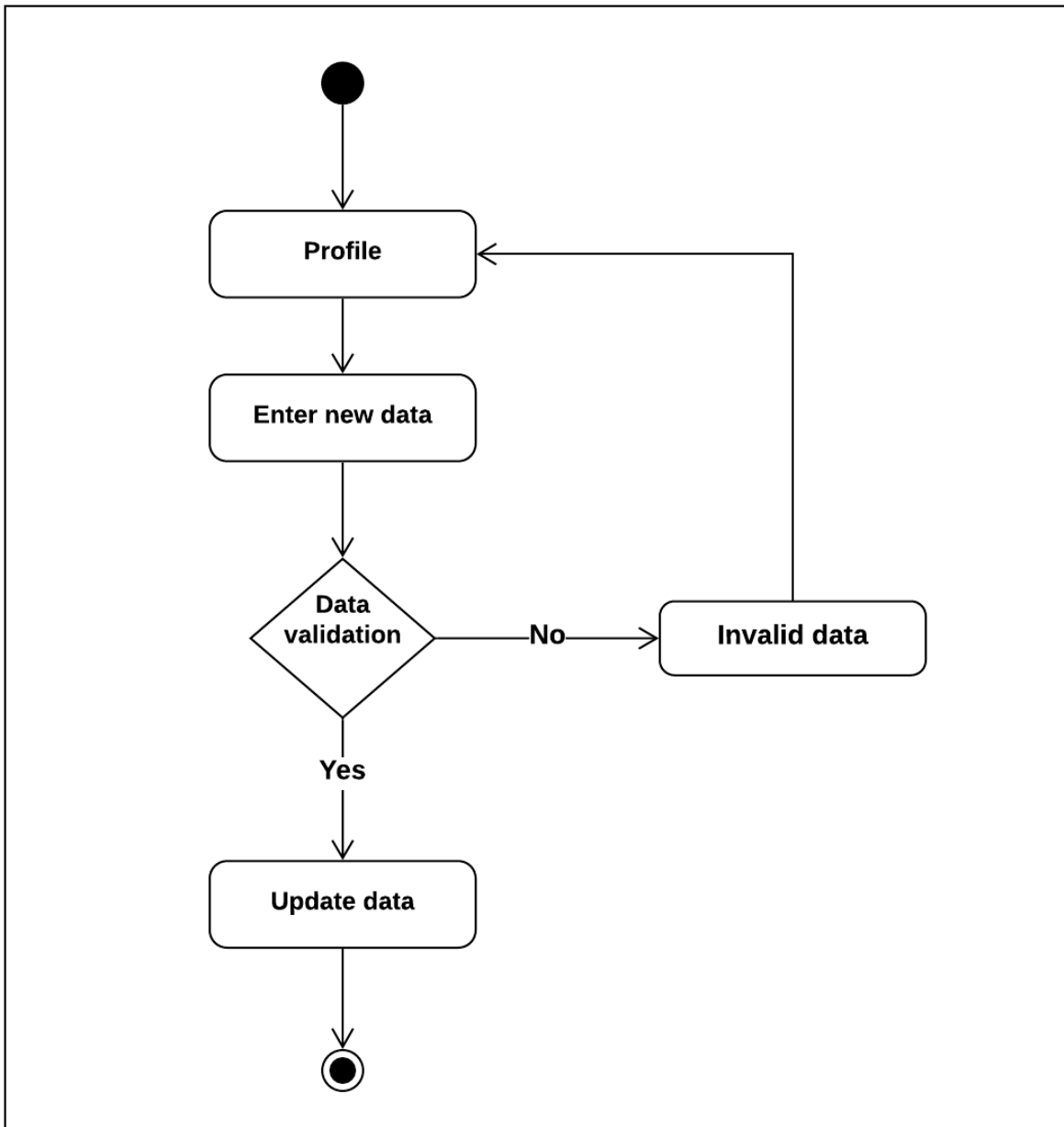


Figure 3.5.4: Update profile activity diagram

## Create post

To create post, must entered valid data and after submitting the data, wait for the admin approval.

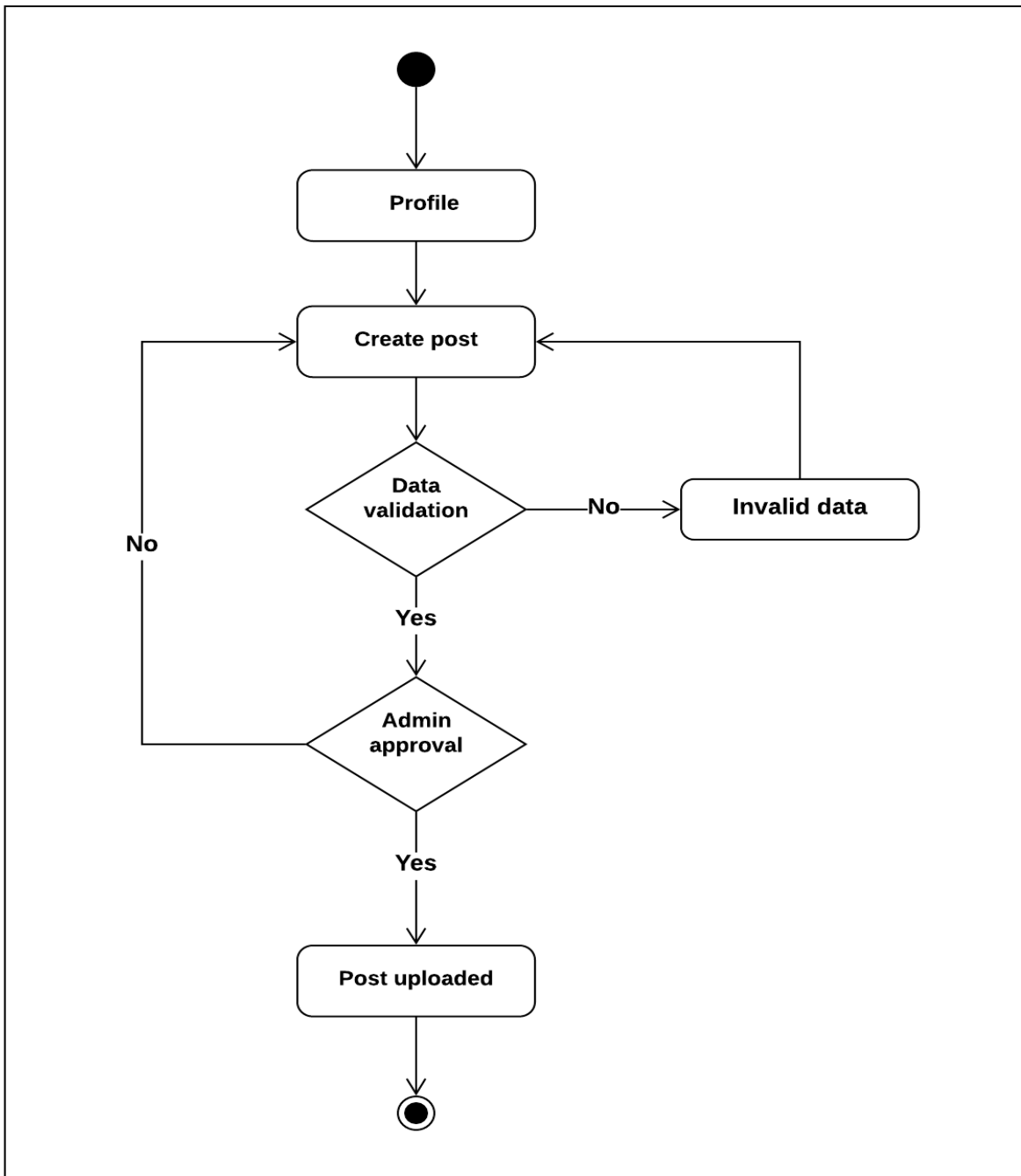


Figure 3.5.5: Create post activity diagram

### Find tour event

User can find all the running tour events by clicking Tour event menu on the navigation bar.

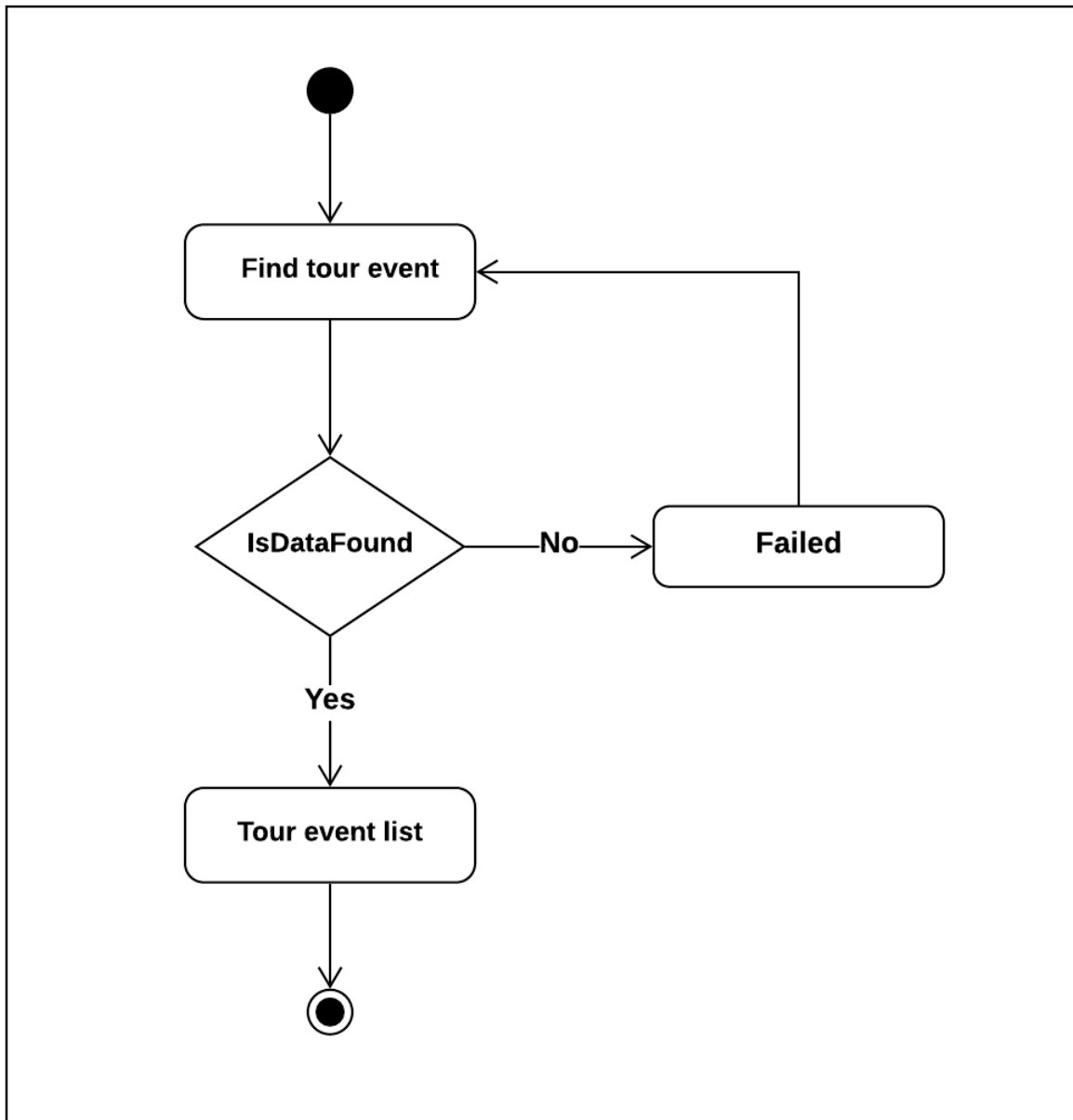


Figure 3.5.6: Find tour event activity diagram

### Create event

User can create tour event by providing valid data and after submitting to wait for the admin approval.

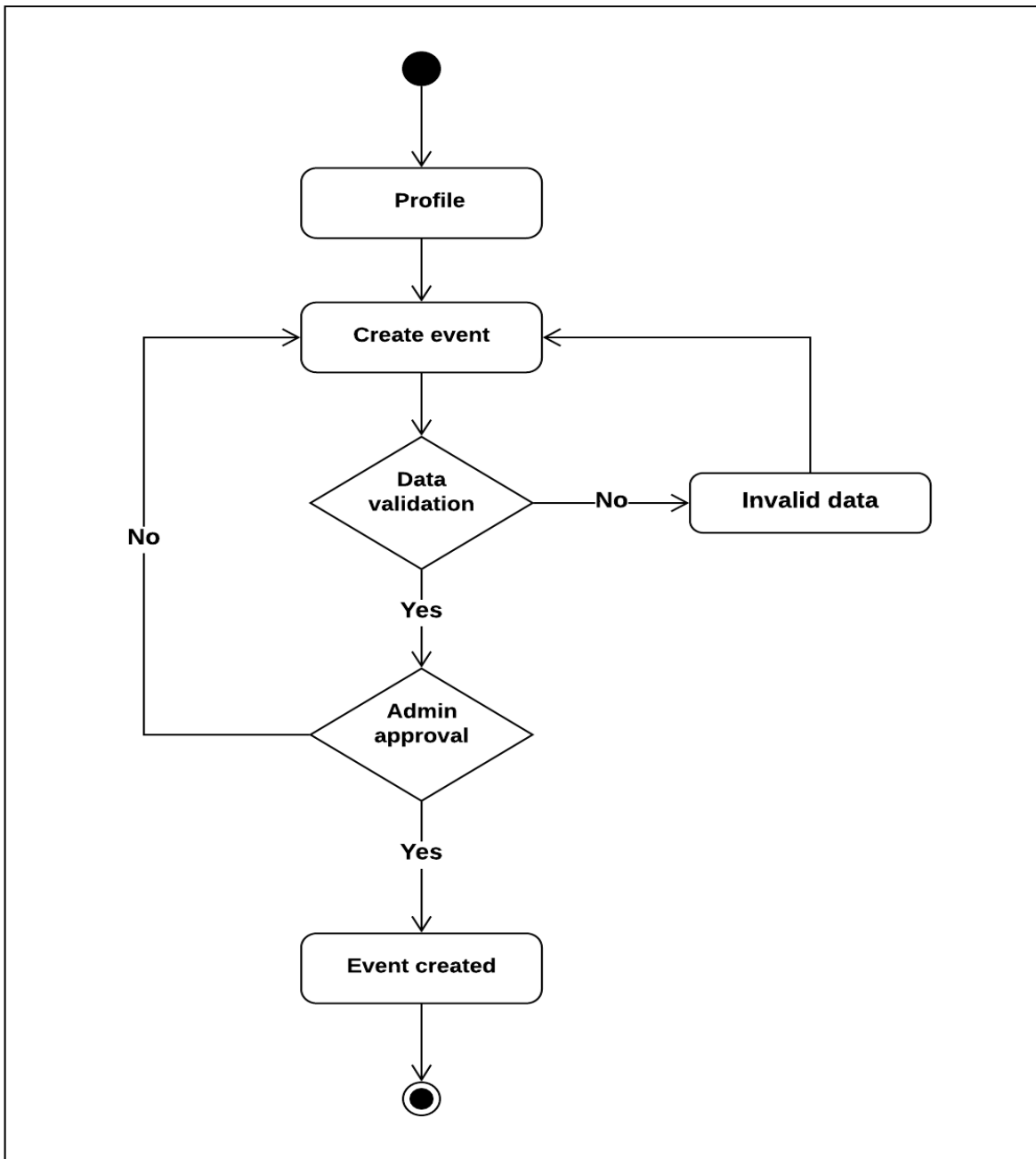


Figure 3.5.7: Create event activity diagram

## Live chat

User can live chat with admin. User have to type message and click on sent.

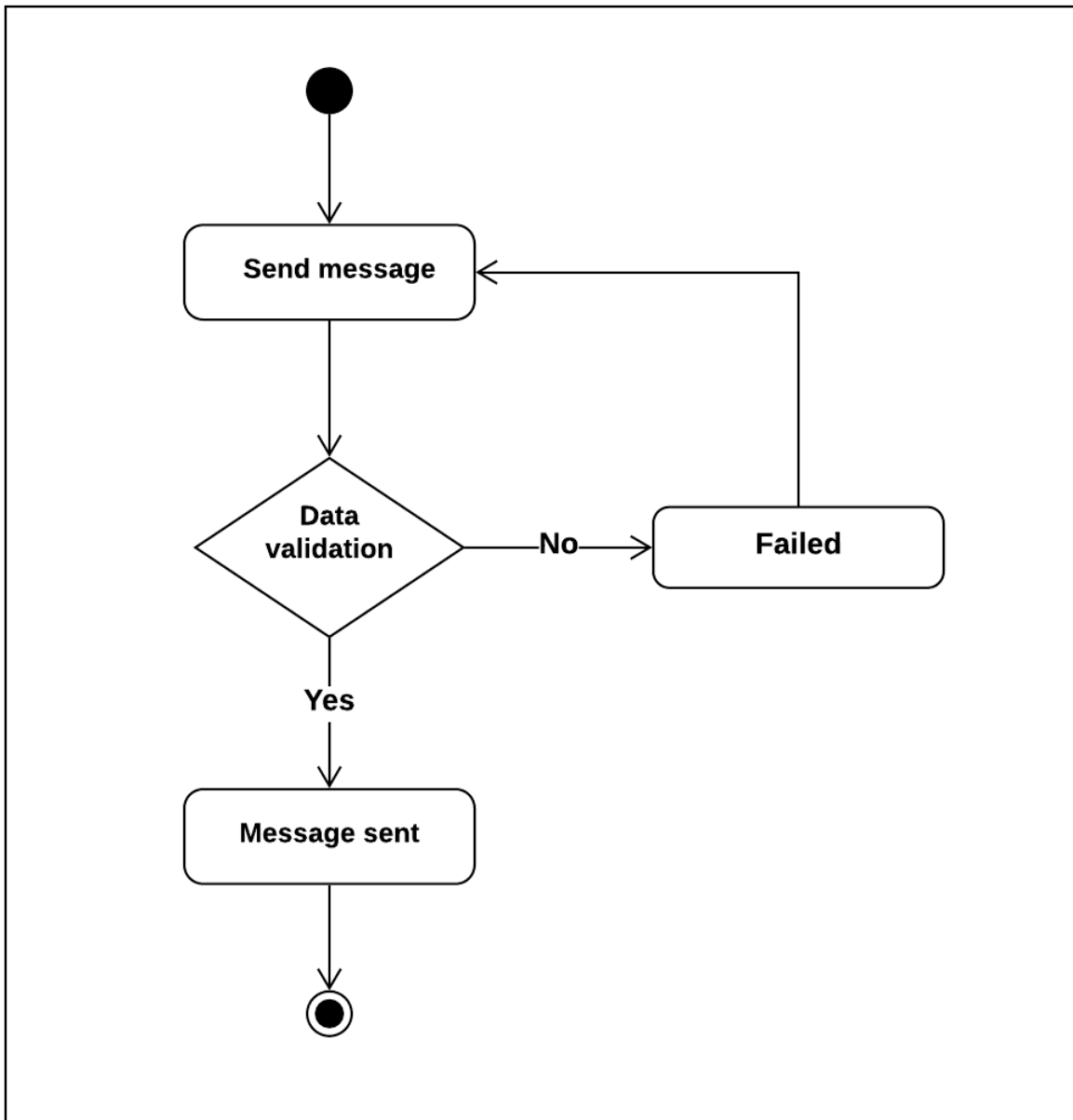


Figure 3.5.8: Live chat activity diagram

### Admin log in

Admin log in with valid email address and password.

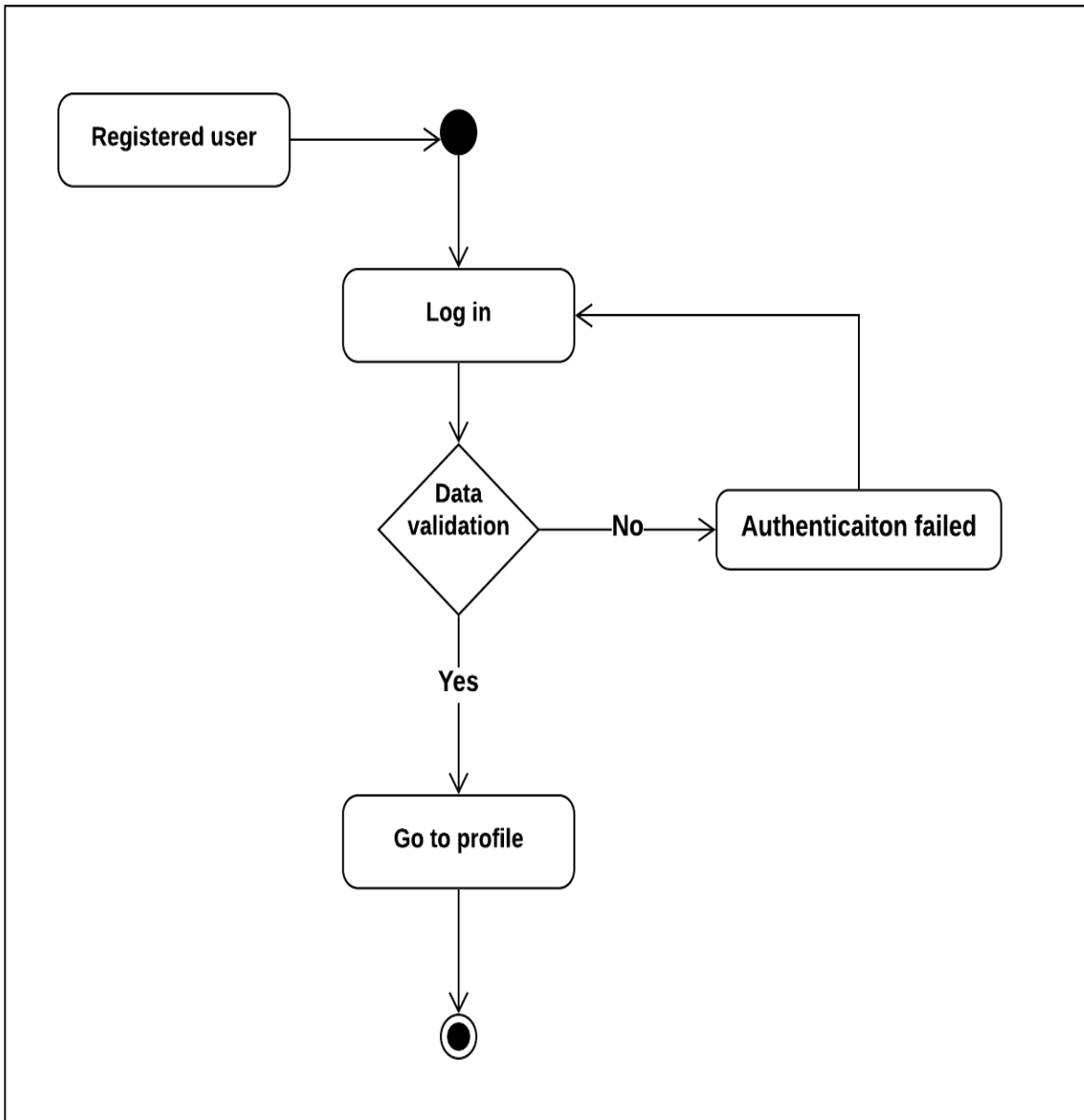


Figure 3.5.9: Admin log in activity diagram



### Add user

To add a new user, admin have to provide valid data (name, email, password). Duplicate email address is not allowed.

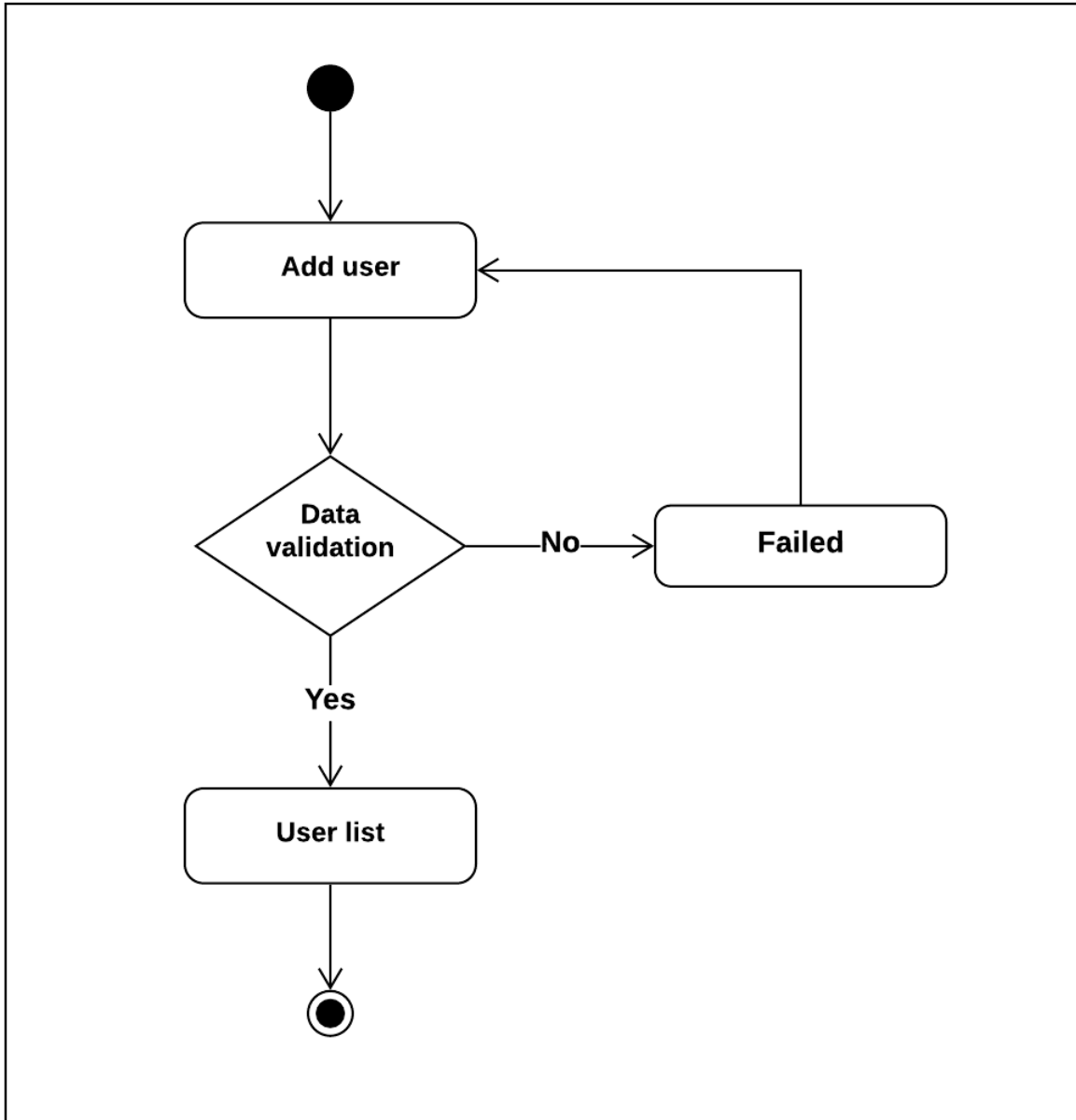


Figure 3.5.10: Add user activity diagram

### Update profile

To update admin profile, must entered valid data. Duplicate email address, phone number is not allowed.

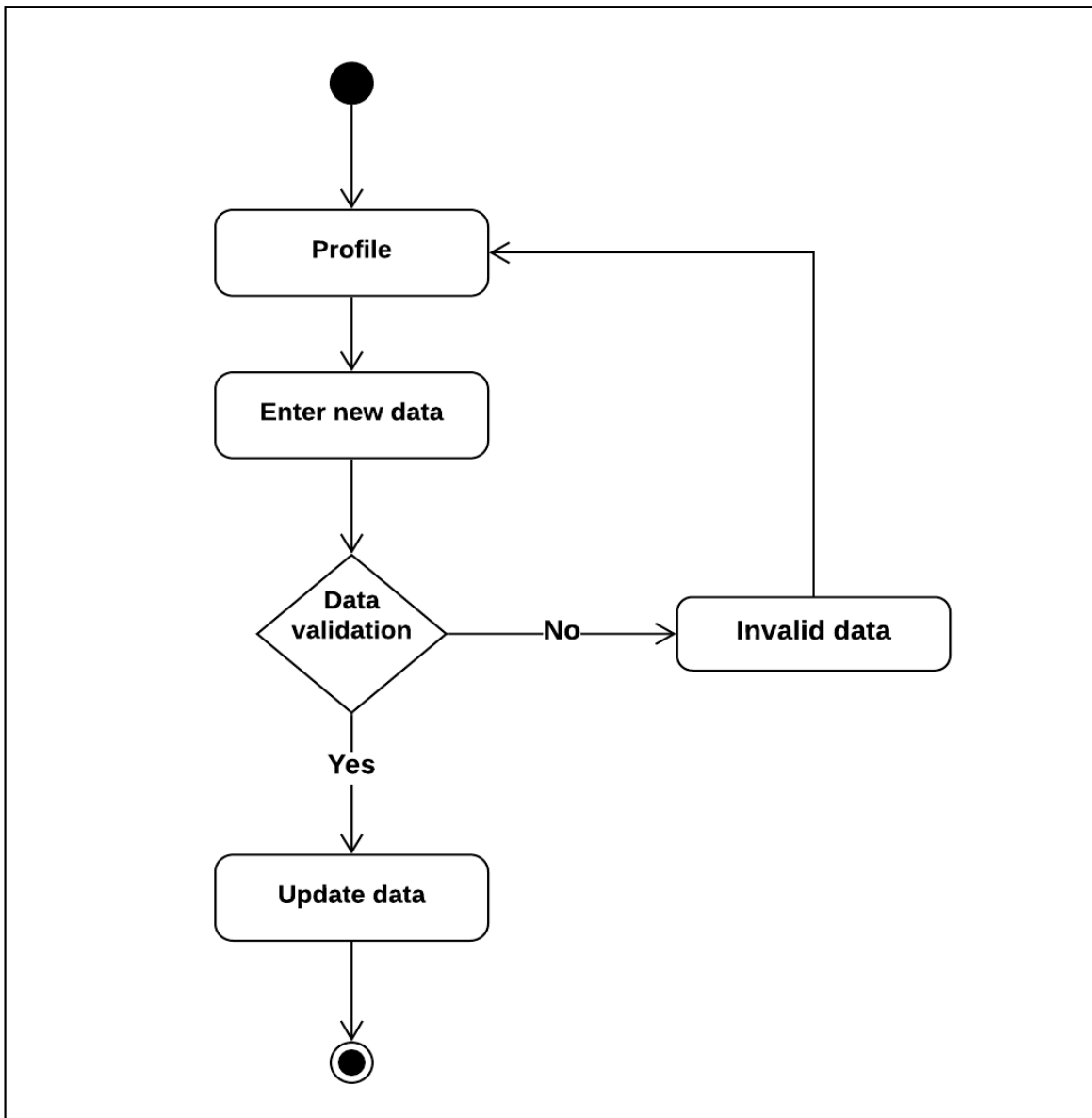


Figure 3.5.11: Update profile activity diagram

### Add logo

To add a logo, admin have to provide valid data. If a logo exists already, admin can edit and update by another logo.

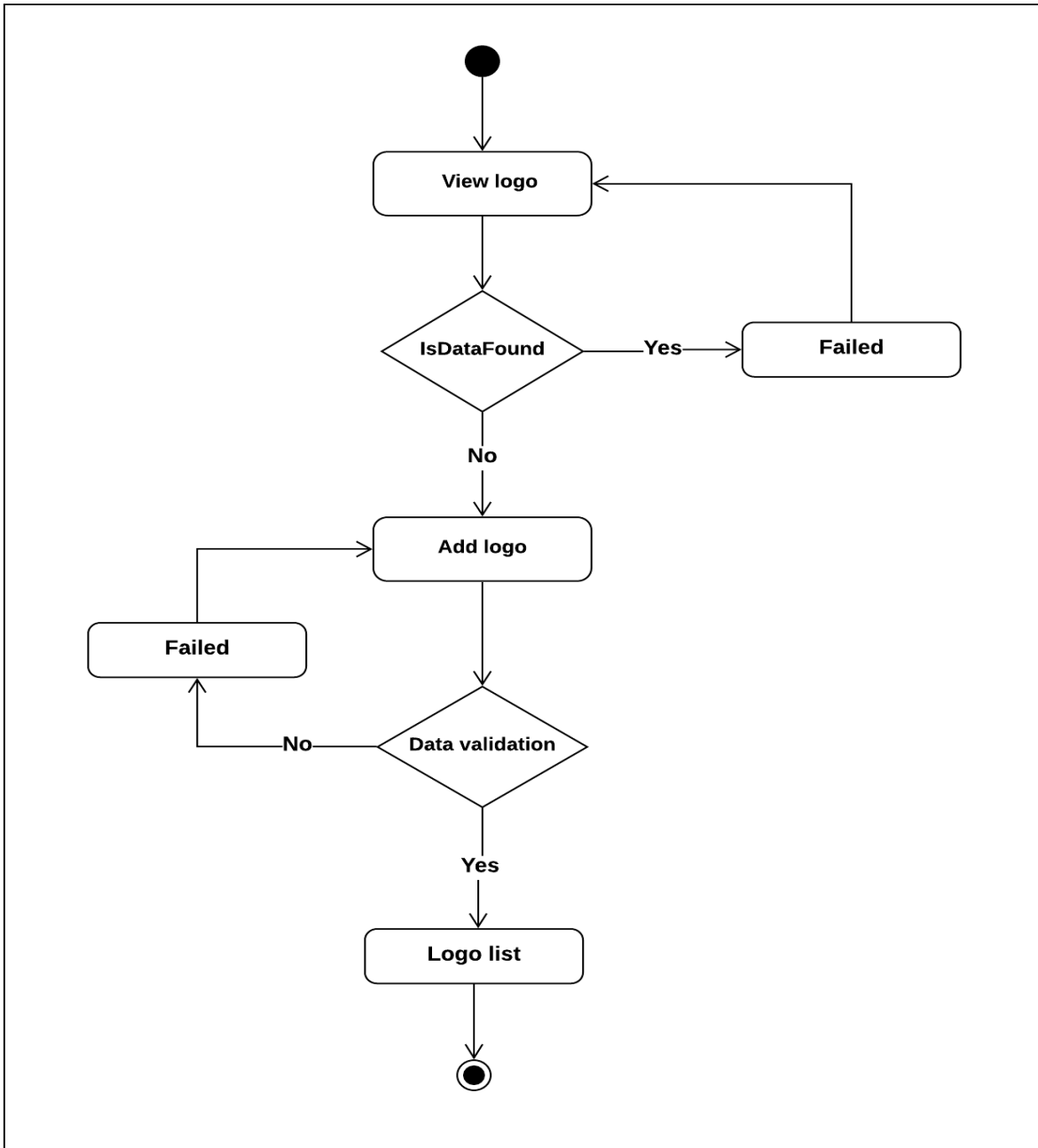


Figure 3.5.12: Add logo activity diagram

### Add slider

Sliders on the site is added by the admin. Admin can also edit, update and delete sliders.

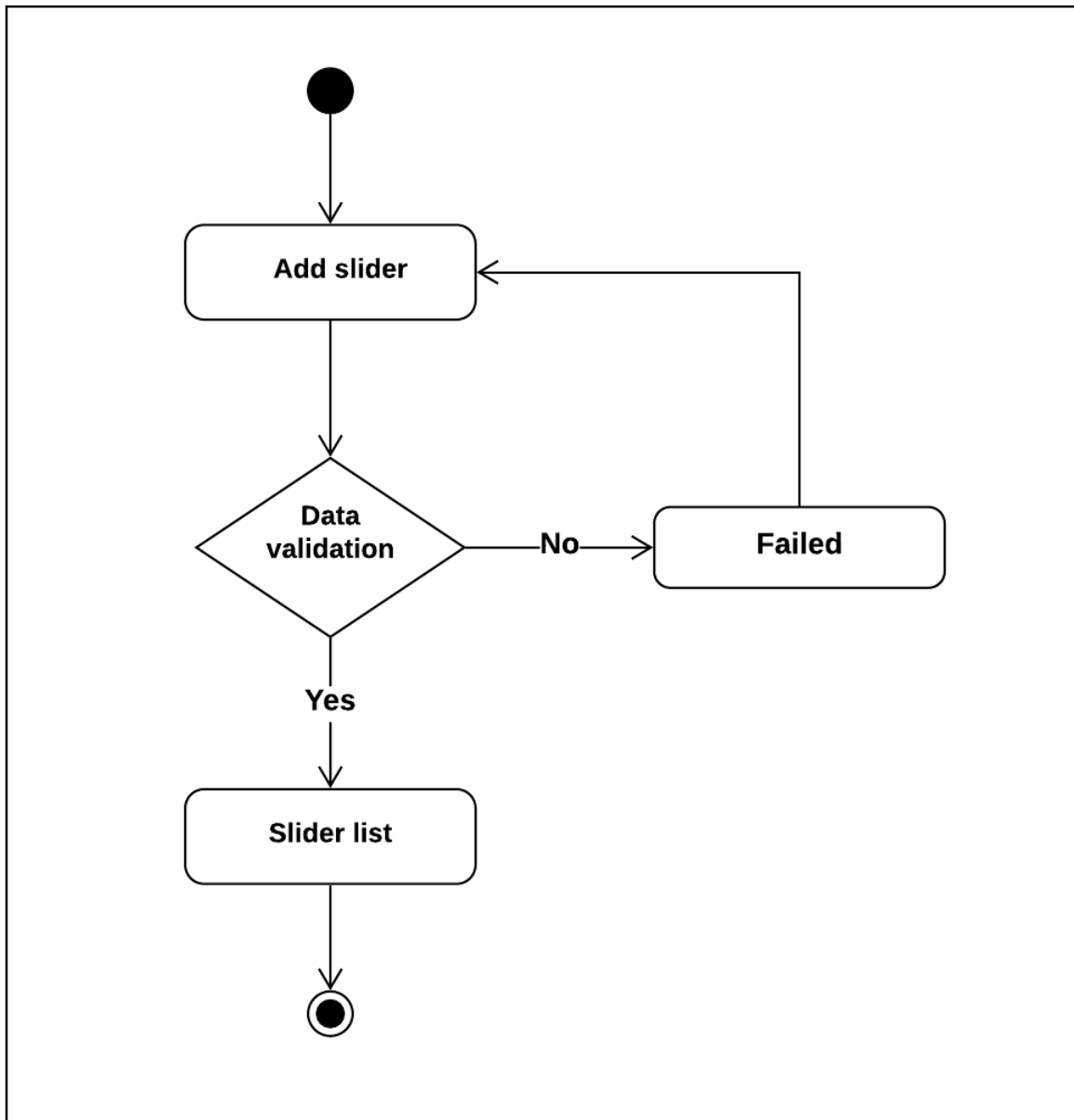


Figure 3.5.13: Add slider activity diagram

### Add notice

Notices on the site is added by the admin. Admin can also edit, update and delete notices.

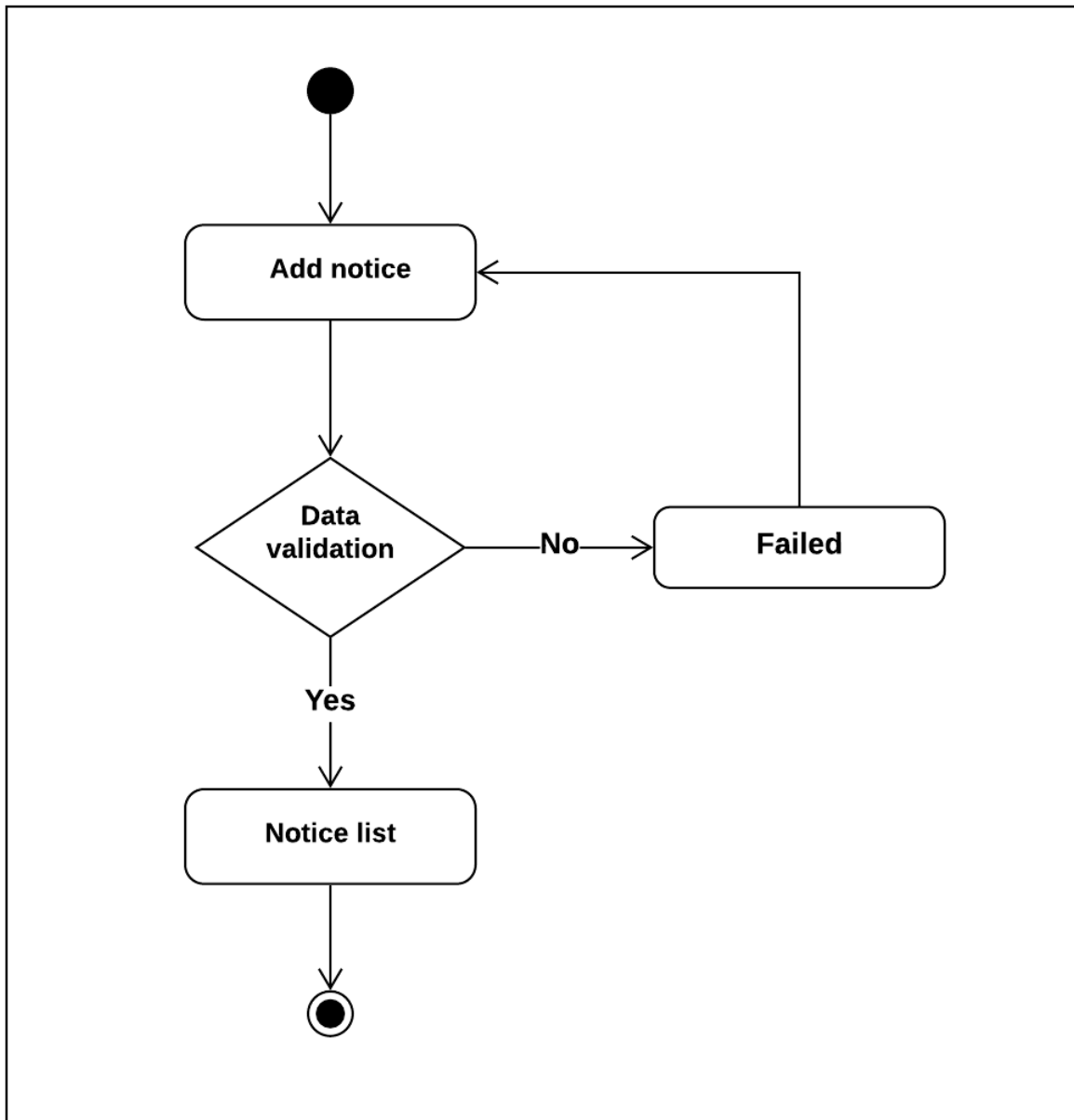


Figure 3.5.14: Add notice activity diagram

### Add contact us

Contact us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.

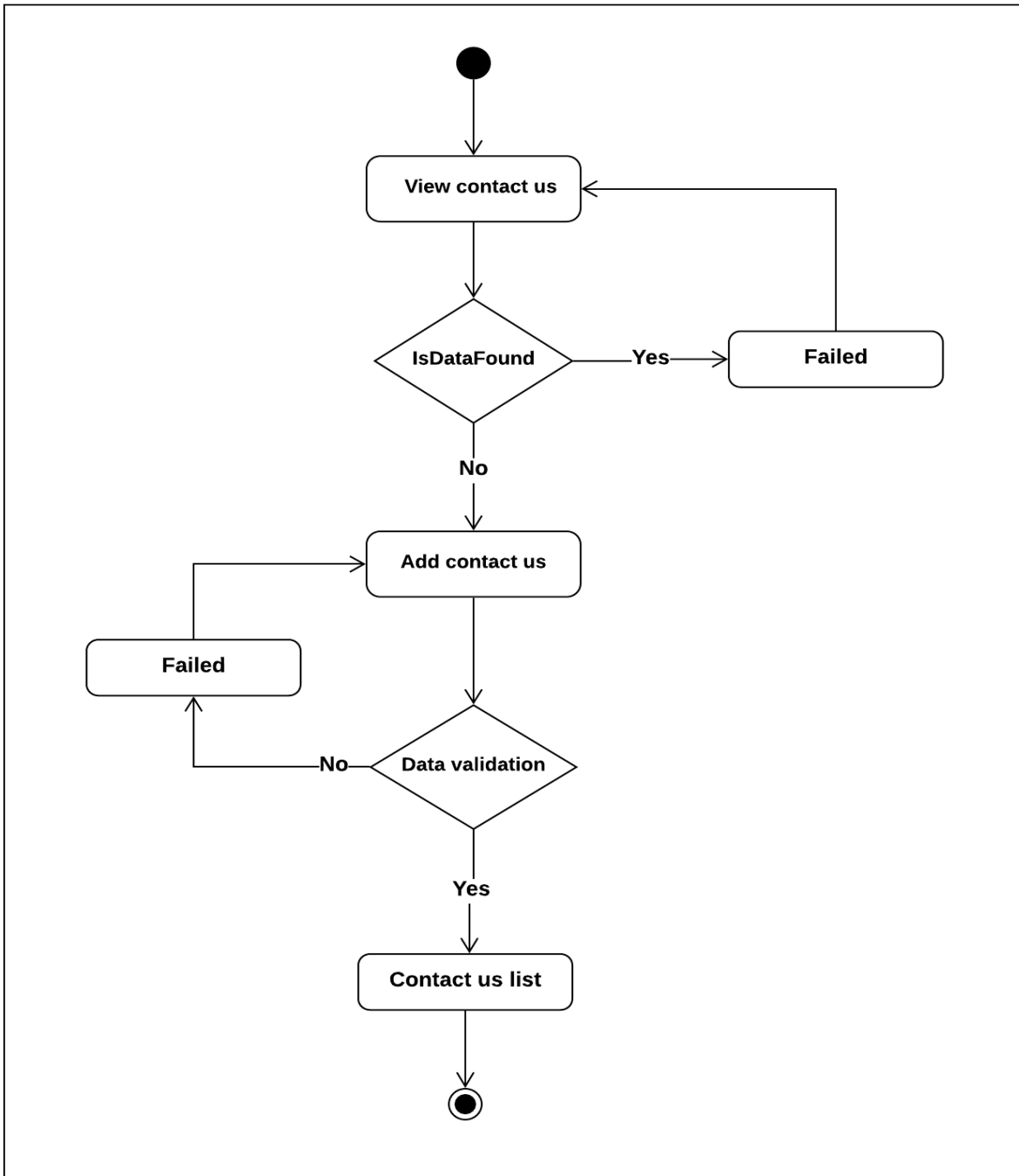


Figure 3.5.15: Add contact us activity diagram

### Add about us

About us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.

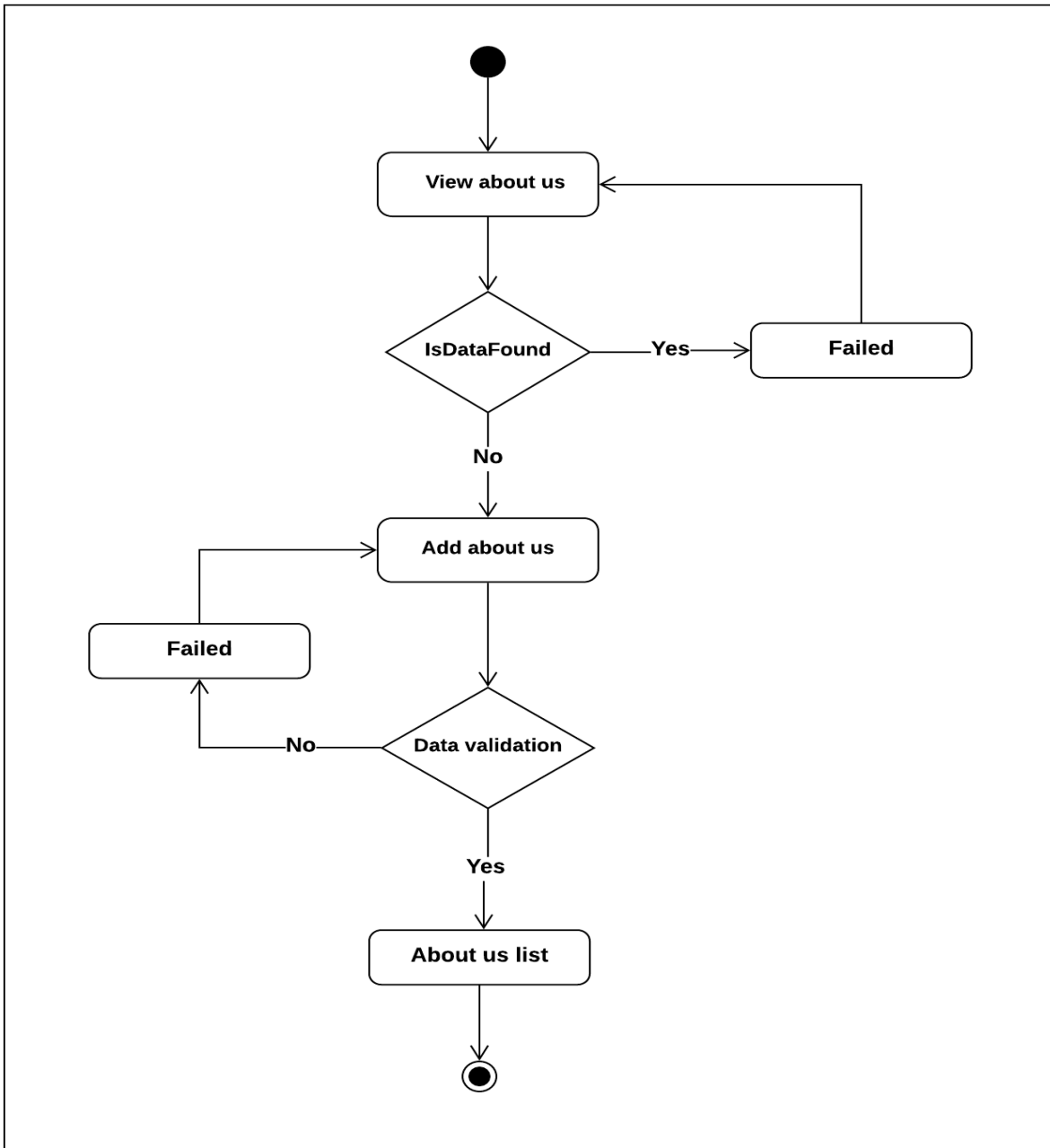


Figure 3.5.16: About us activity diagram

### Add division

Admin can add a new division by providing valid data. Duplicate entry is not allowed.

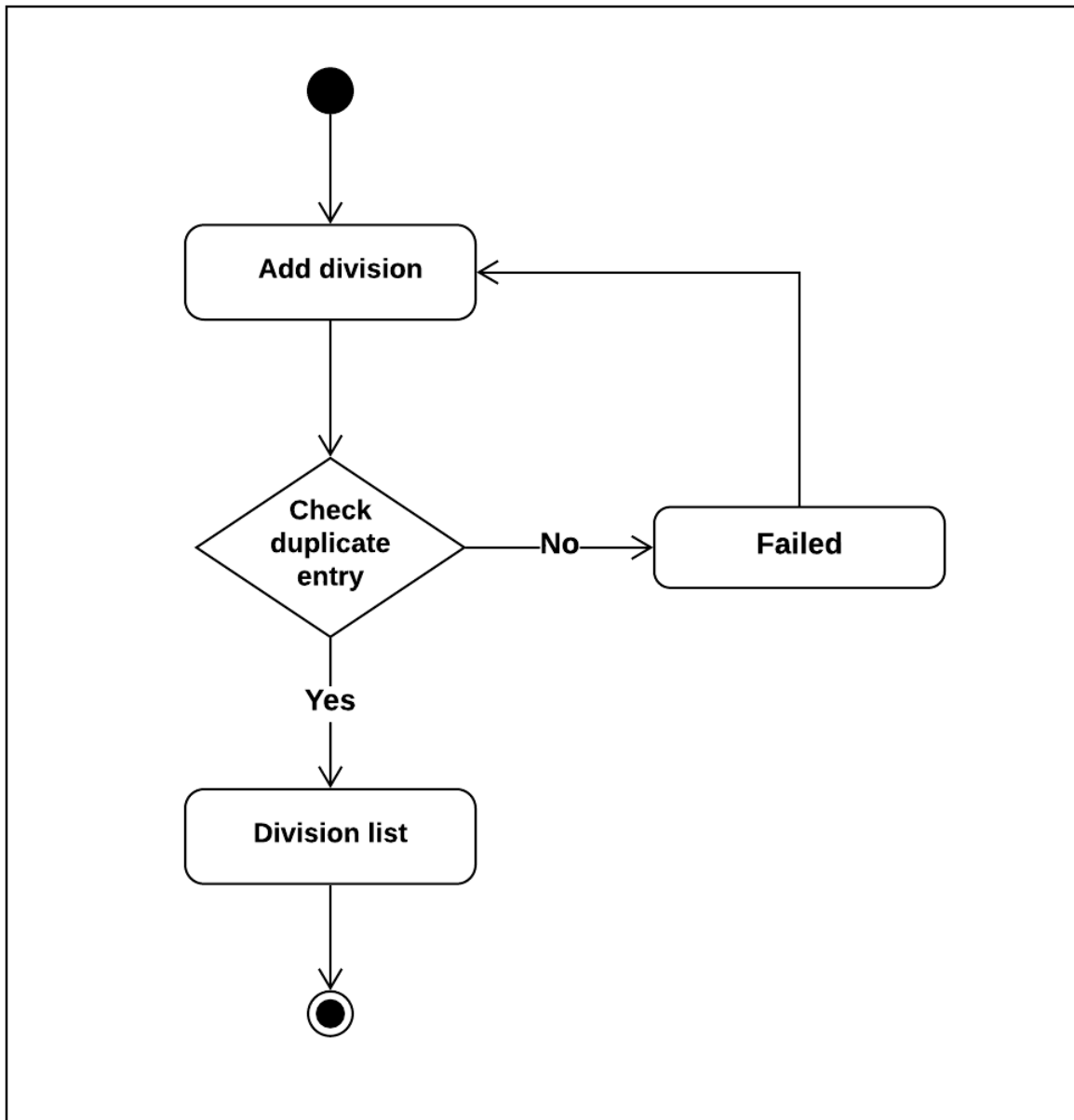


Figure 3.5.17: Add division activity diagram



### Add category

Admin can add a new traveling place category by providing valid data. Duplicate entry is not allowed.

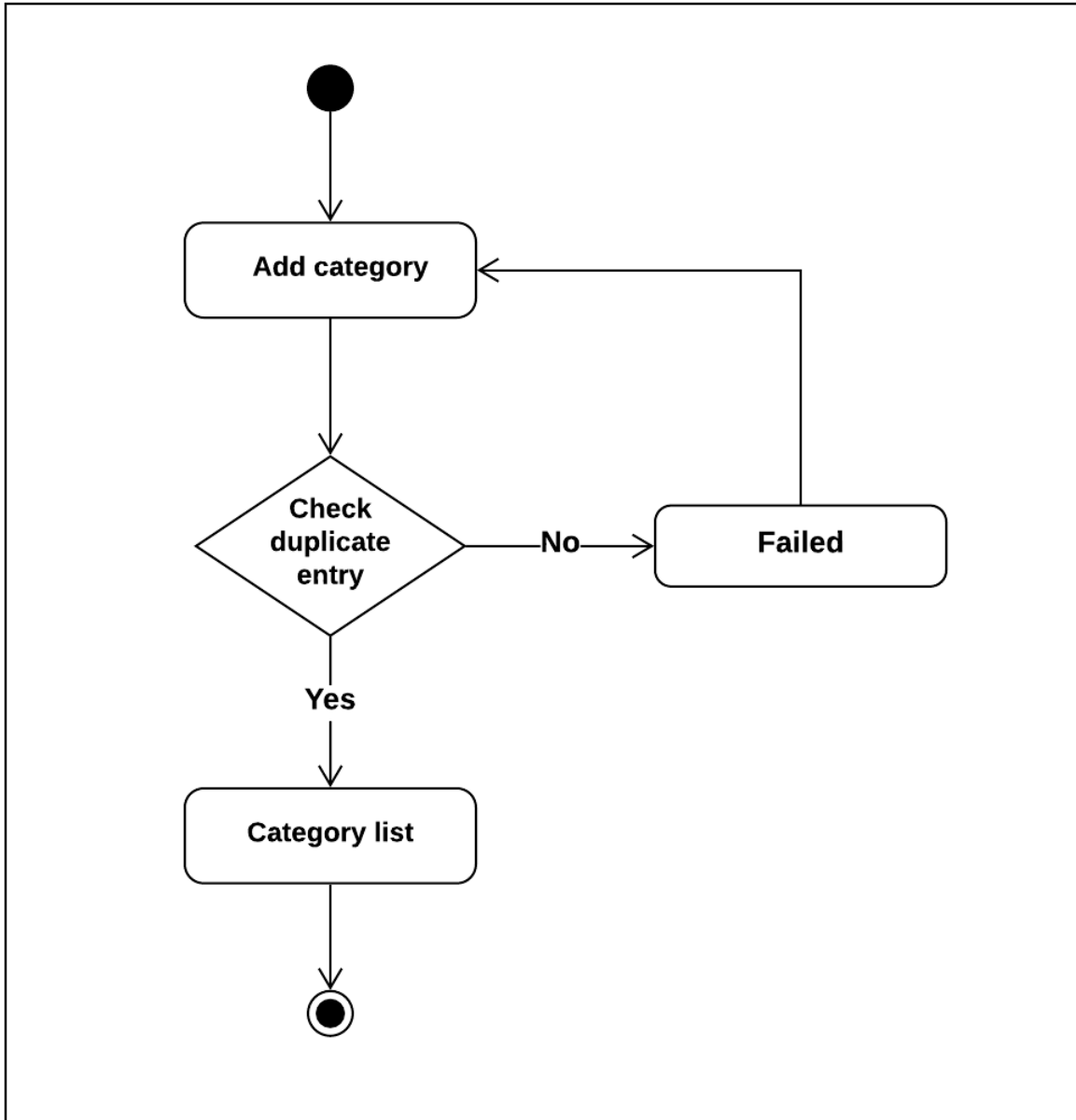


Figure 3.5.18: Add category activity diagram

### Add hotel

Hotels of different traveling locations is added by admin by providing valid data. Duplicate entry is not allowed.

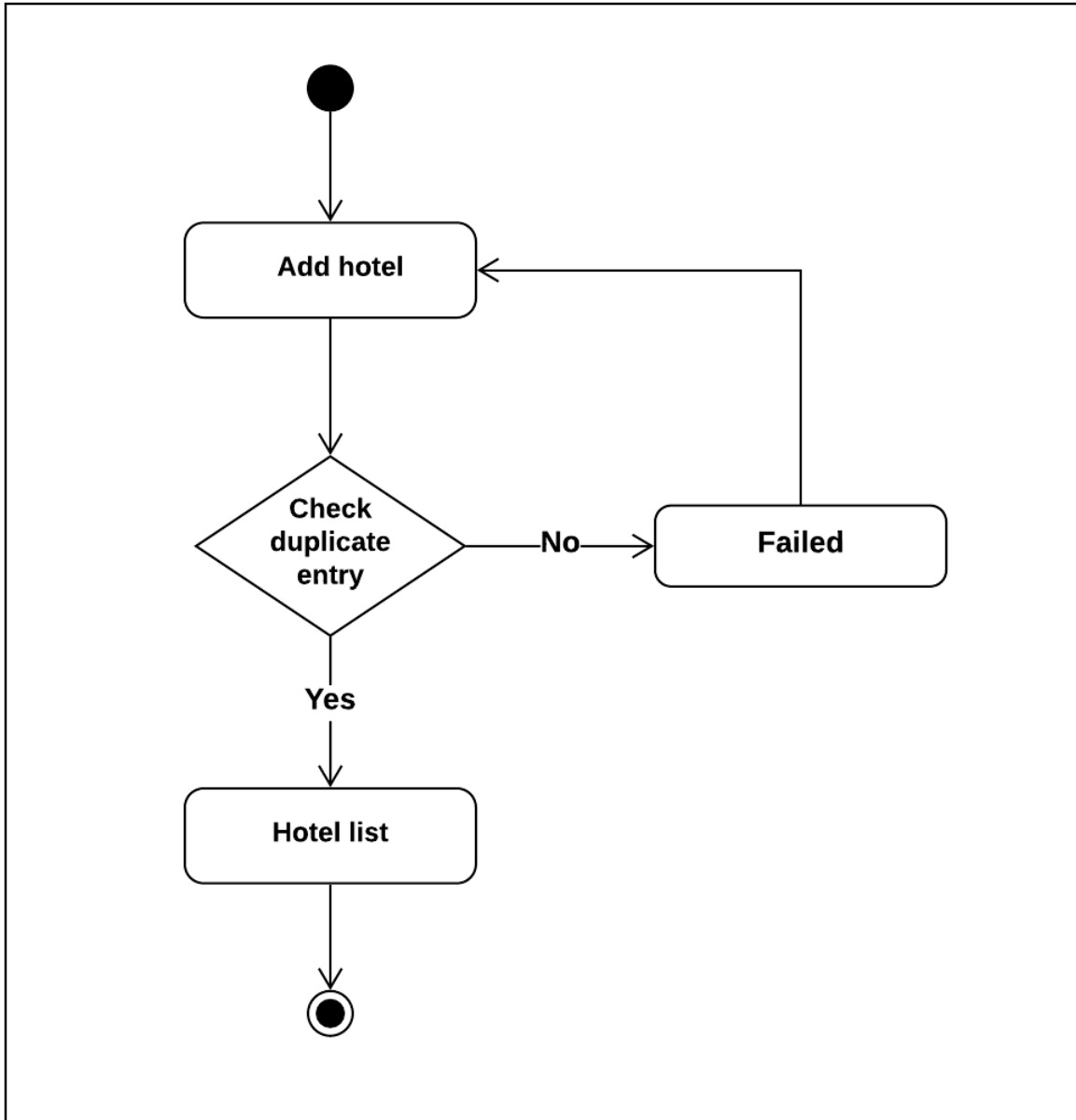


Figure 3.5.19: Add hotel activity diagram

### Add location

To add a new traveling location, admin must provide valid data and duplicate location is not allowed.

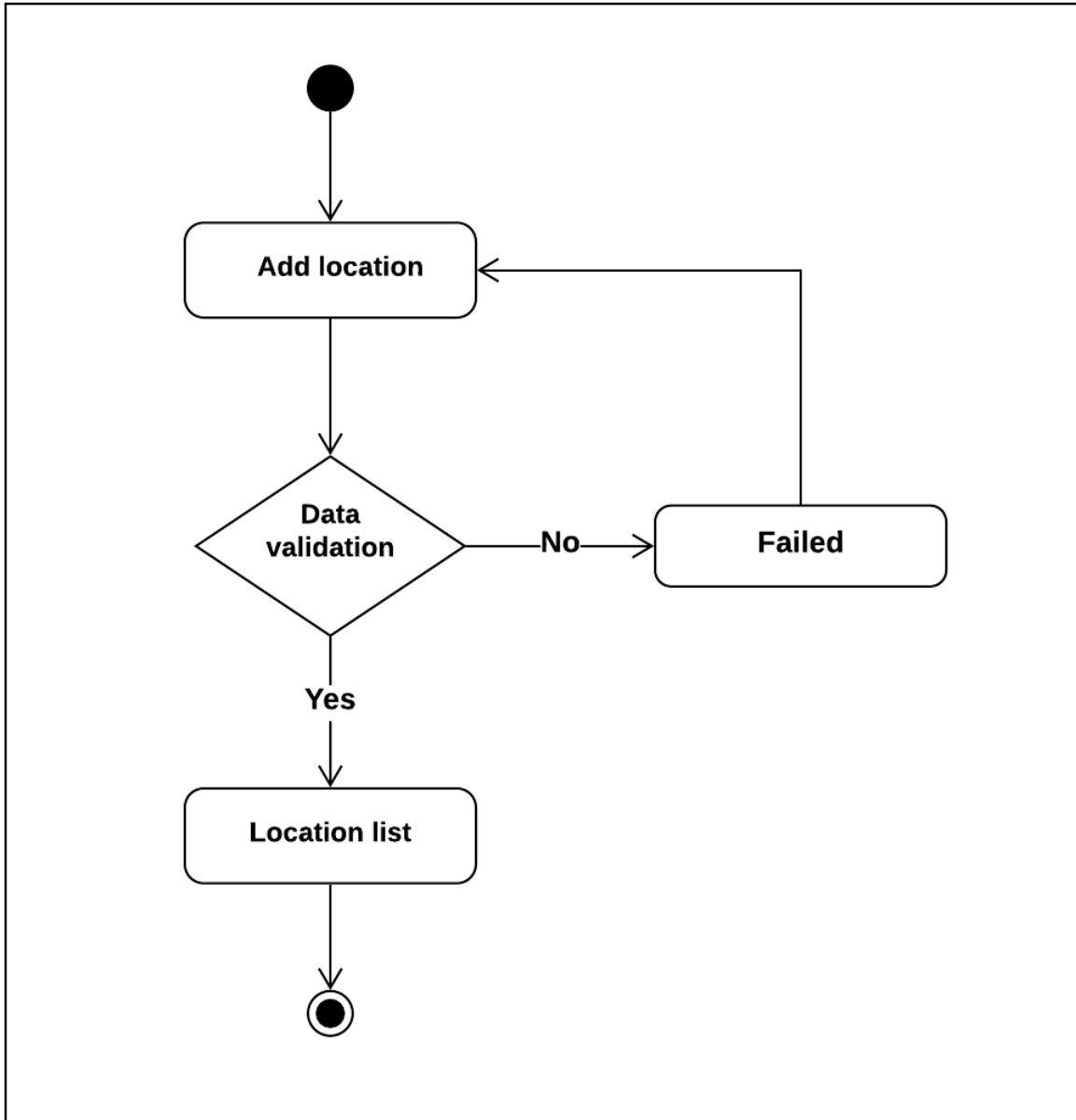


Figure 3.5.20: Add location activity diagram

### Manage post request

Admin can manage user post by checking whether the information is correct or not. Admin have also access to approve or remove the post.

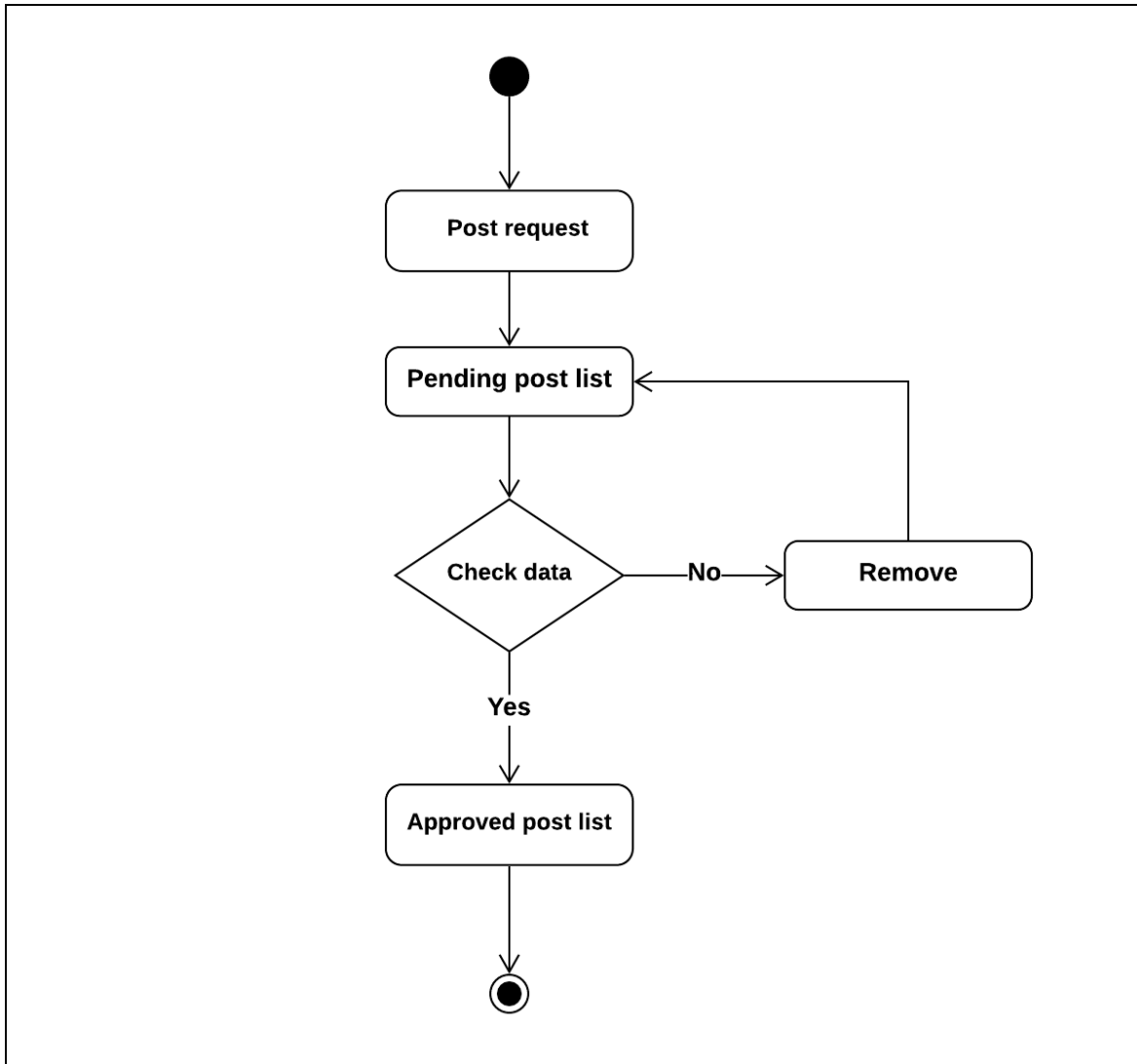


Figure 3.5.21: Manage post request activity diagram

### Manage event request

Admin can manage event request which is created by user, by checking whether the information is correct or not. After checking admin can approve or remove the event.

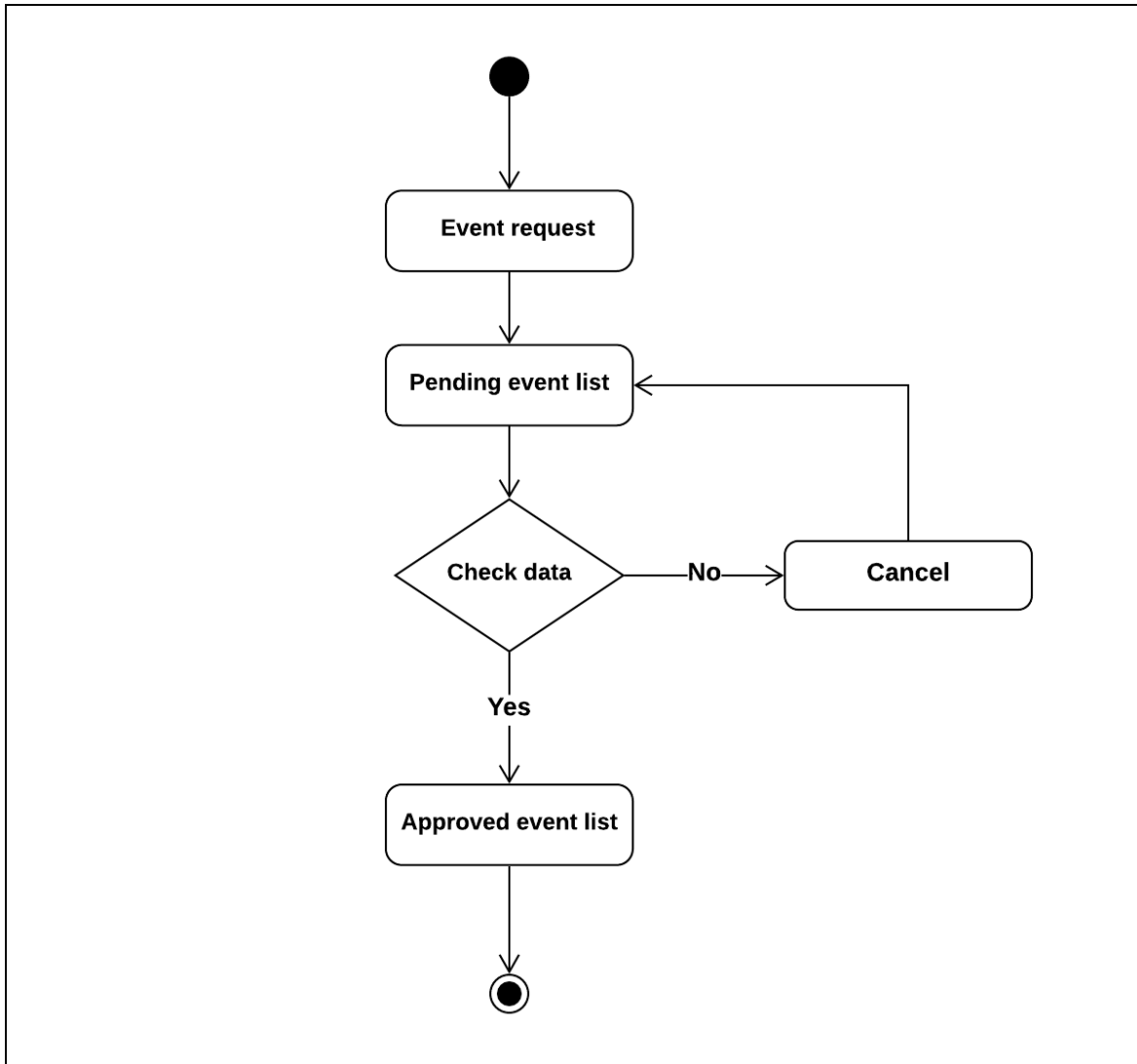


Figure 3.5.22: Manage event request activity diagram

## Live chat

Admin can live chat with user. Admin have to type message and click on sent.

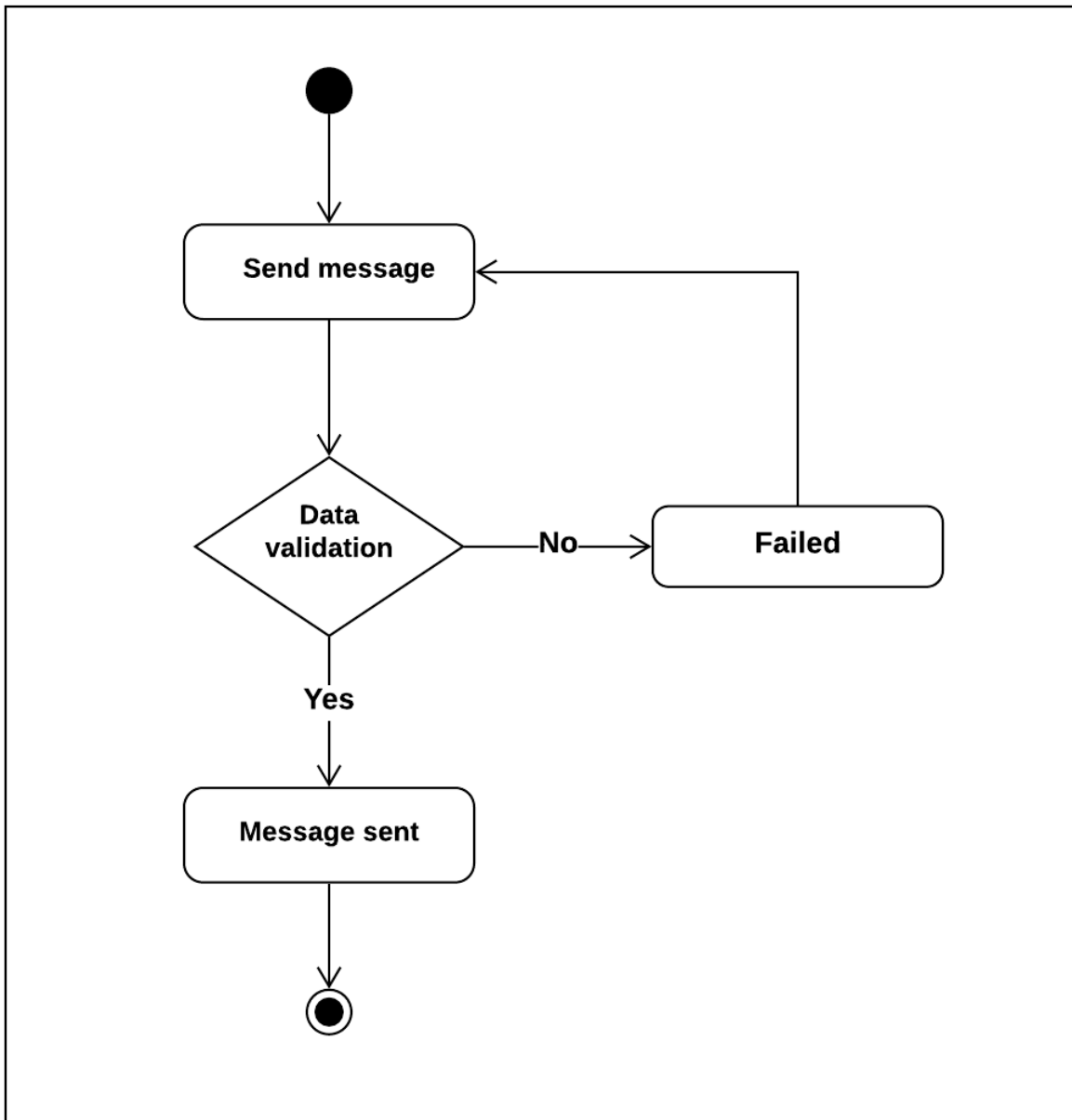


Figure 3.5.23: Live chat activity diagram

## Sequence diagram

We develop sequence diagram based on our requirements and activity diagram. Those diagrams are given below:

### Log in and registration

A user can log in with valid email and password after registration. A user can only log in after it's email verification. An admin can also log in to the system.

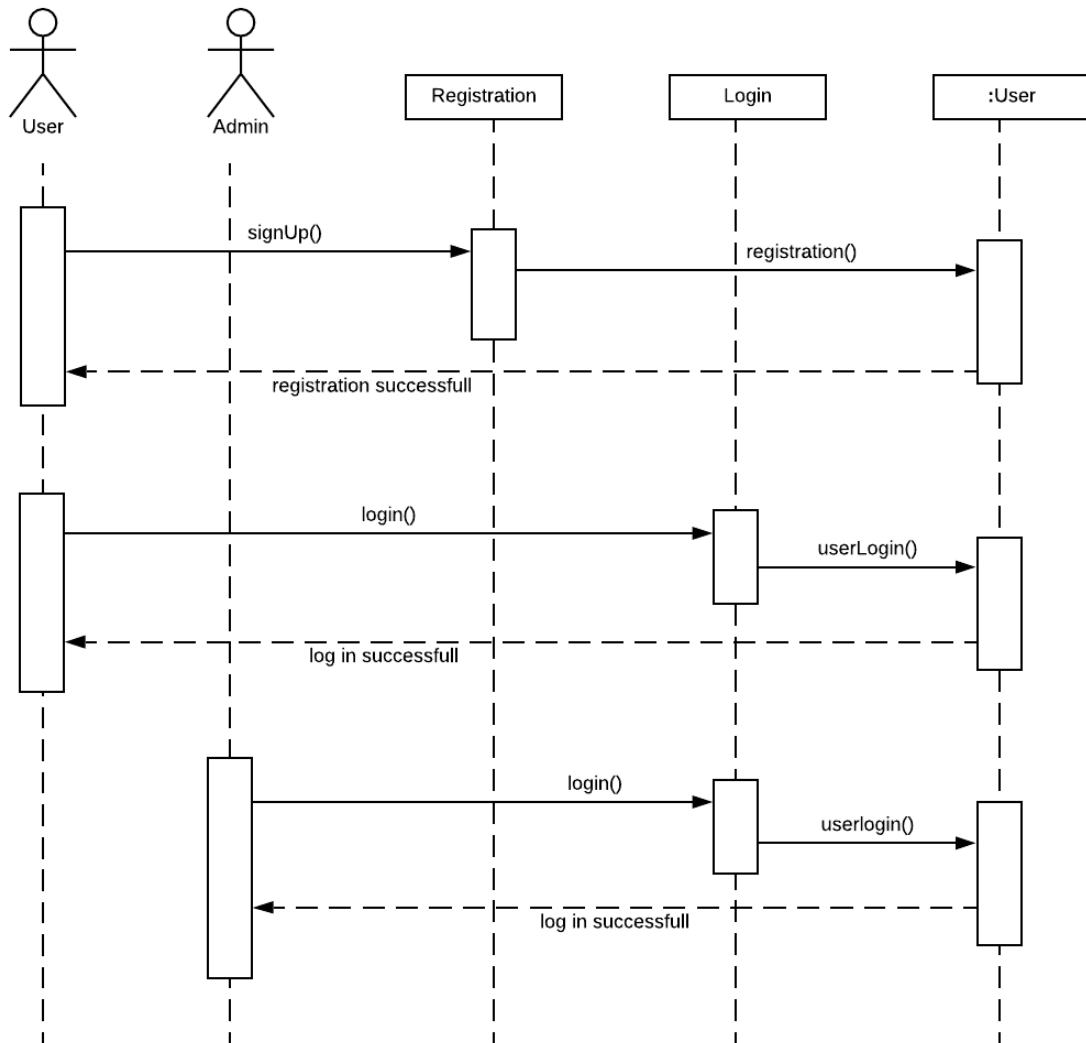


Figure 3.6.1: Sequence diagram for log in and registration

## Find location

To find location user have to click on find location menu on the navigation bar and select division.

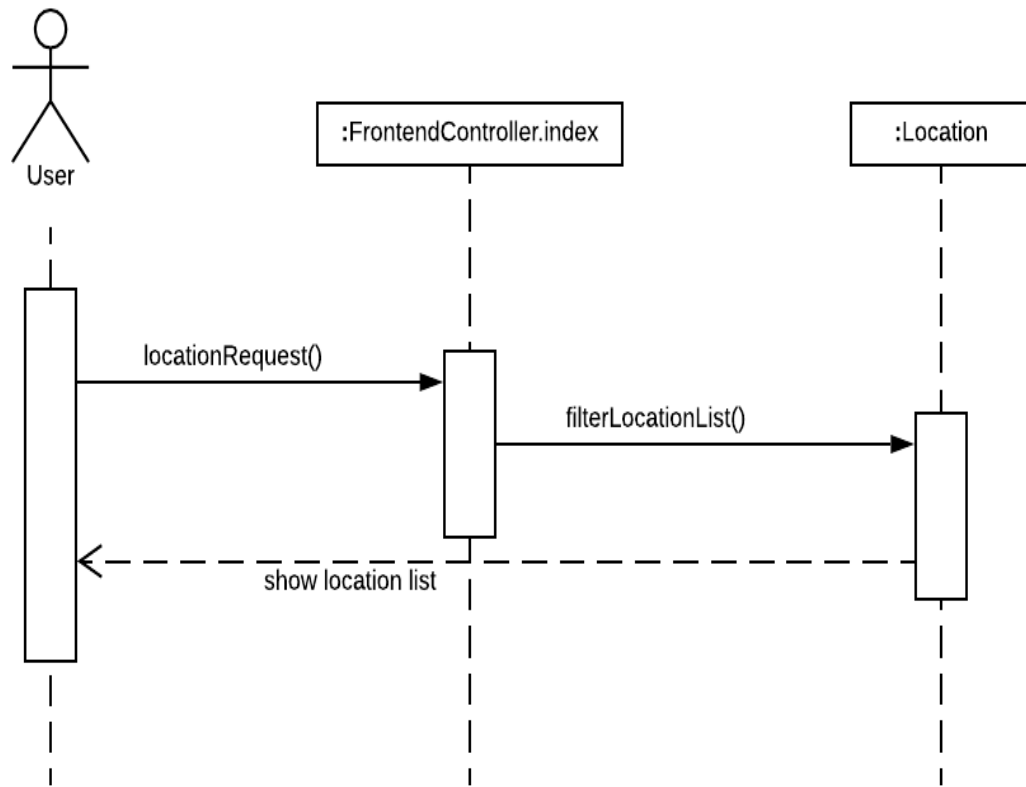


Figure 3.6.2: Sequence diagram for find location



## Update profile

To update user profile, must entered valid data. Duplicate email address, phone number is not allowed.

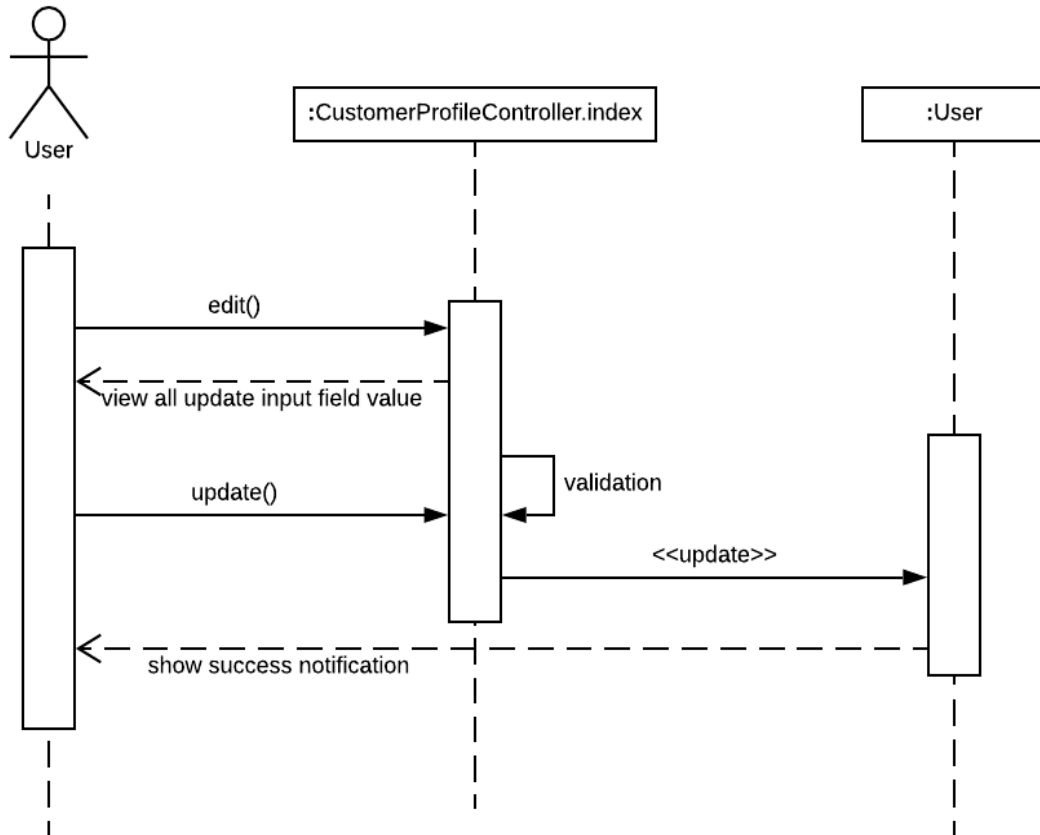


Figure 3.6.3: Sequence diagram for update profile

### Create post

To create post, must entered valid data and after submitting the data, wait for the admin approval.

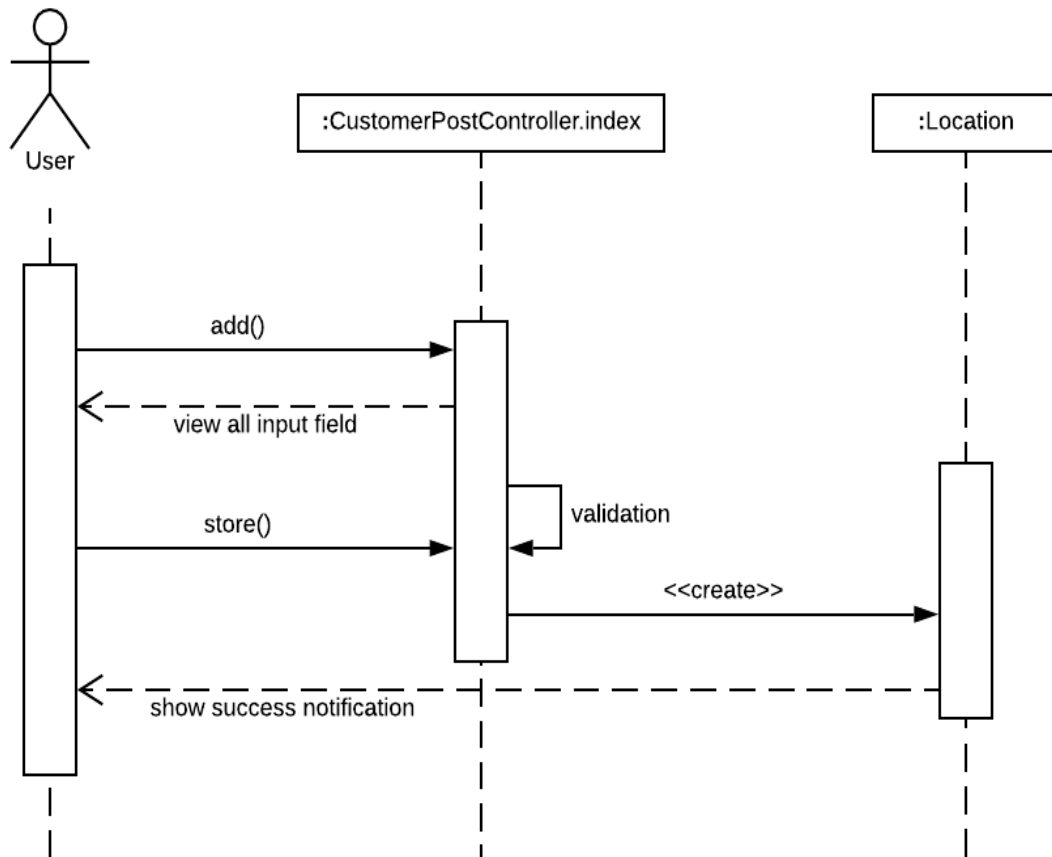


Figure 3.6.4: Sequence diagram for create post

### Find tour event

User can find all the running tour events by clicking Tour event menu on the navigation bar.

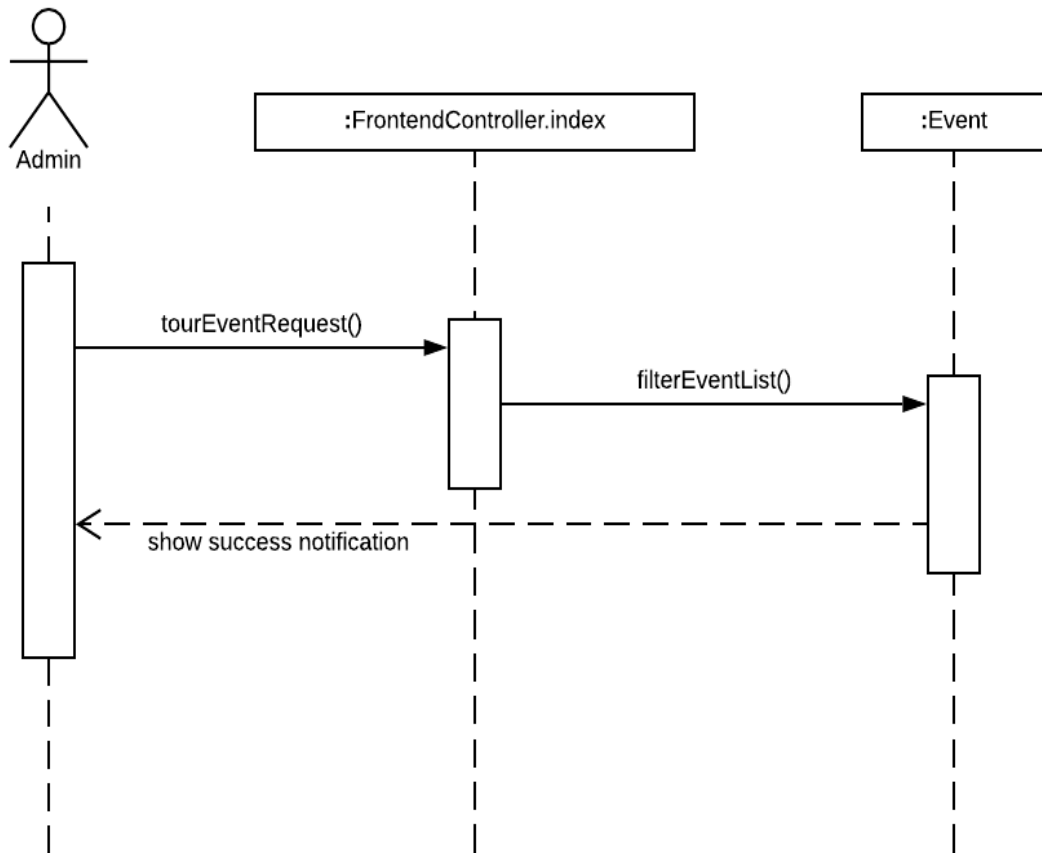


Figure 3.6.5: Sequence diagram for find tour event

### Create event

User can create tour event by providing valid data and after submitting to wait for the admin approval.

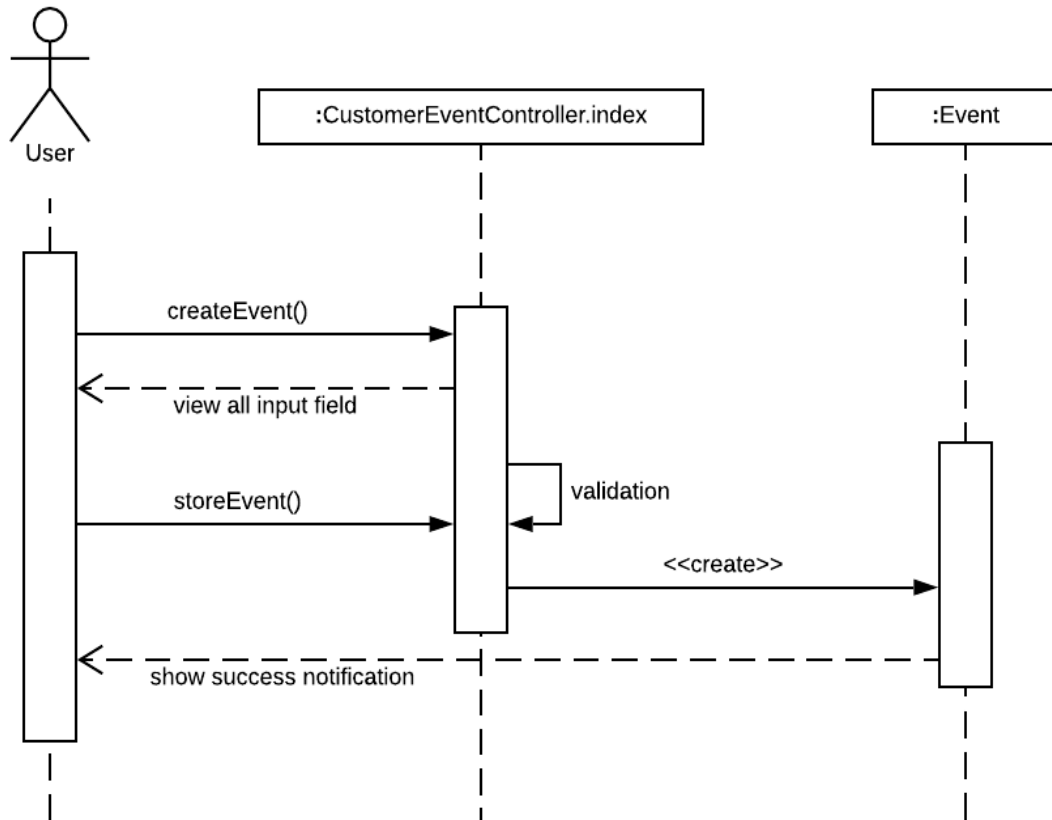


Figure 3.6.6: Sequence diagram for create event

## Live chat

User can live chat with admin. User have to type message and click on sent.

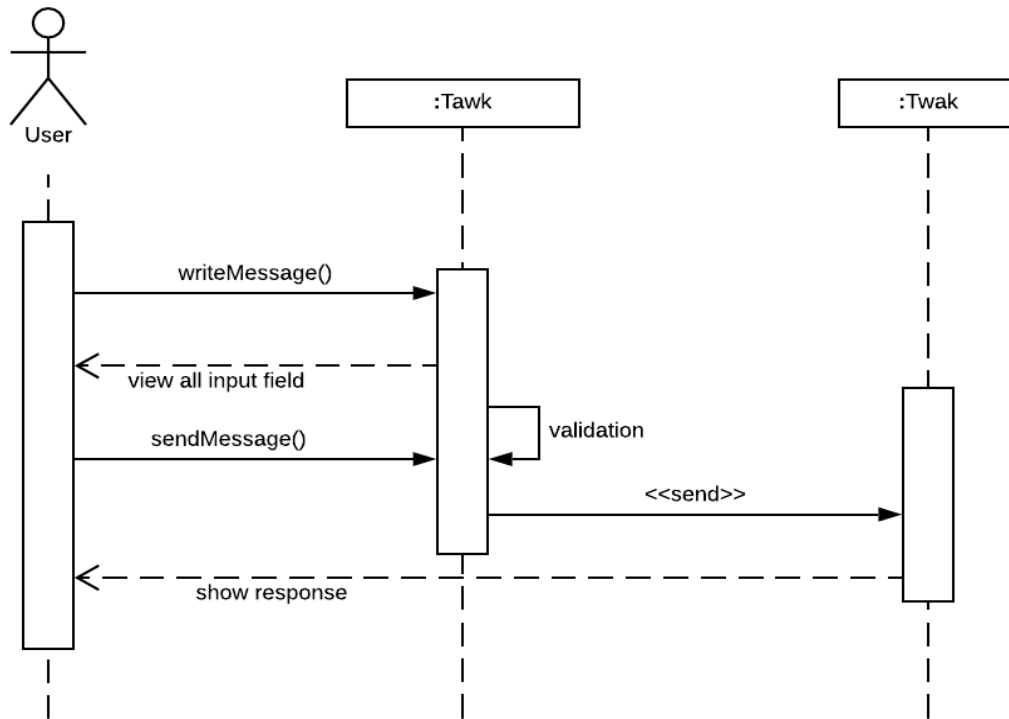


Figure 3.6.7: Sequence diagram for live chat

## Add user

To add a new user, admin have to provide valid data (name, email, password). Duplicate email address is not allowed.

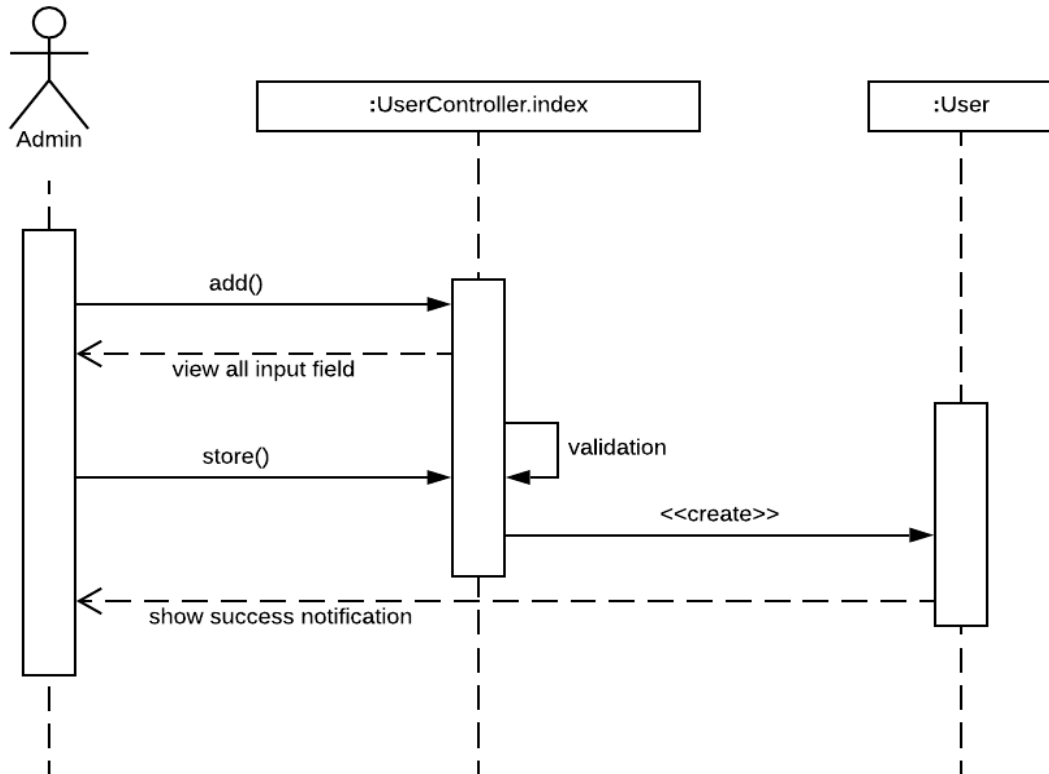


Figure 3.6.8: Sequence diagram for add user

## Update profile

To update admin profile, must entered valid data. Duplicate email address, phone number is not allowed.

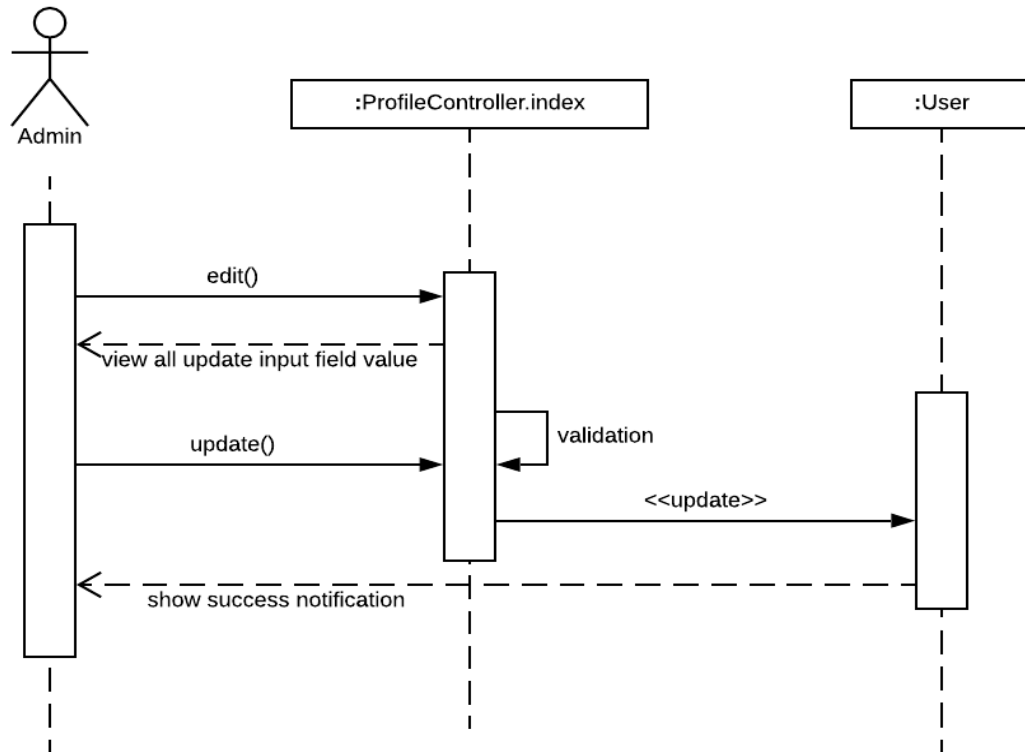


Figure 3.6.9: Sequence diagram for update profile

## Add logo

To add a logo, admin have to provide valid data. If a logo exists already, admin can edit and update by another logo.

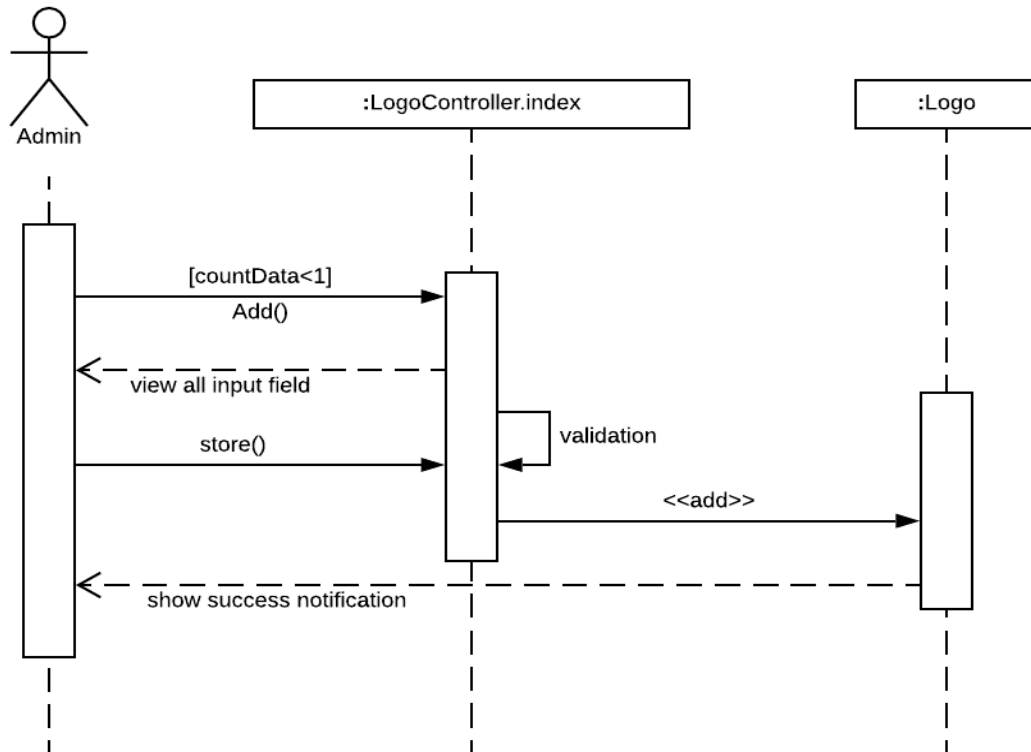


Figure 3.6.10: Sequence diagram for add logo



## Add slider

Sliders on the site is added by the admin. Admin can also edit, update and delete sliders.

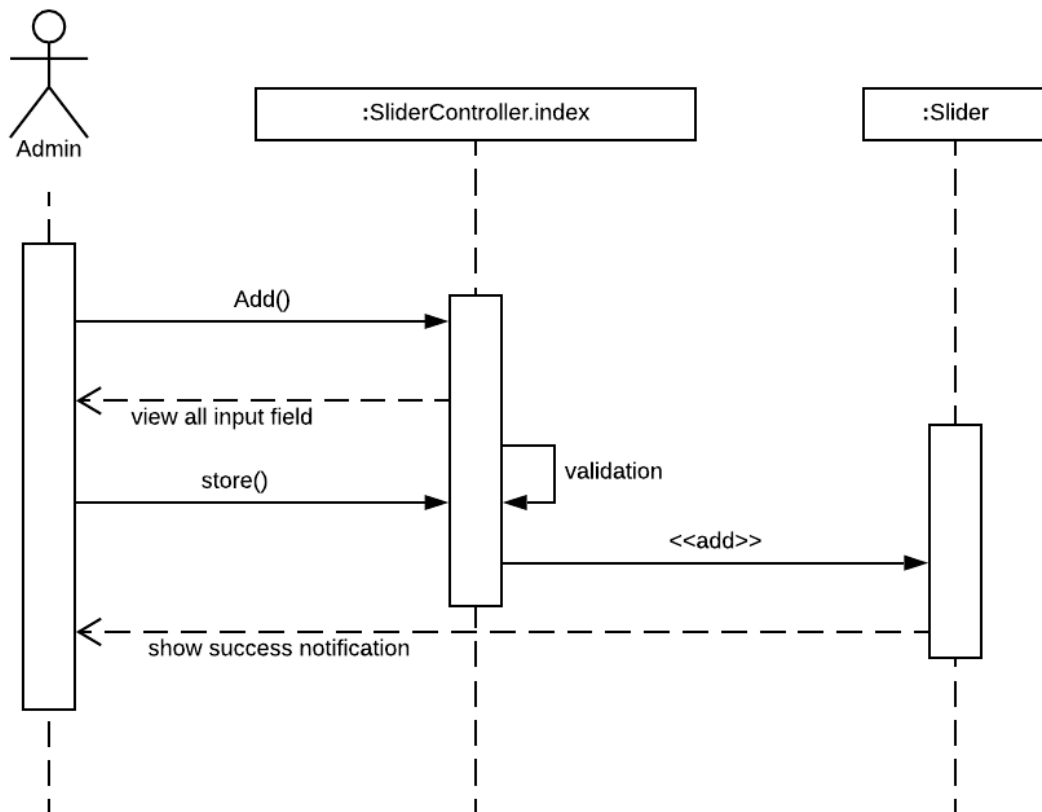


Figure 3.6.11: Sequence diagram for add slider

## Add notice

Notices on the site is added by the admin. Admin can also edit, update and delete notices.

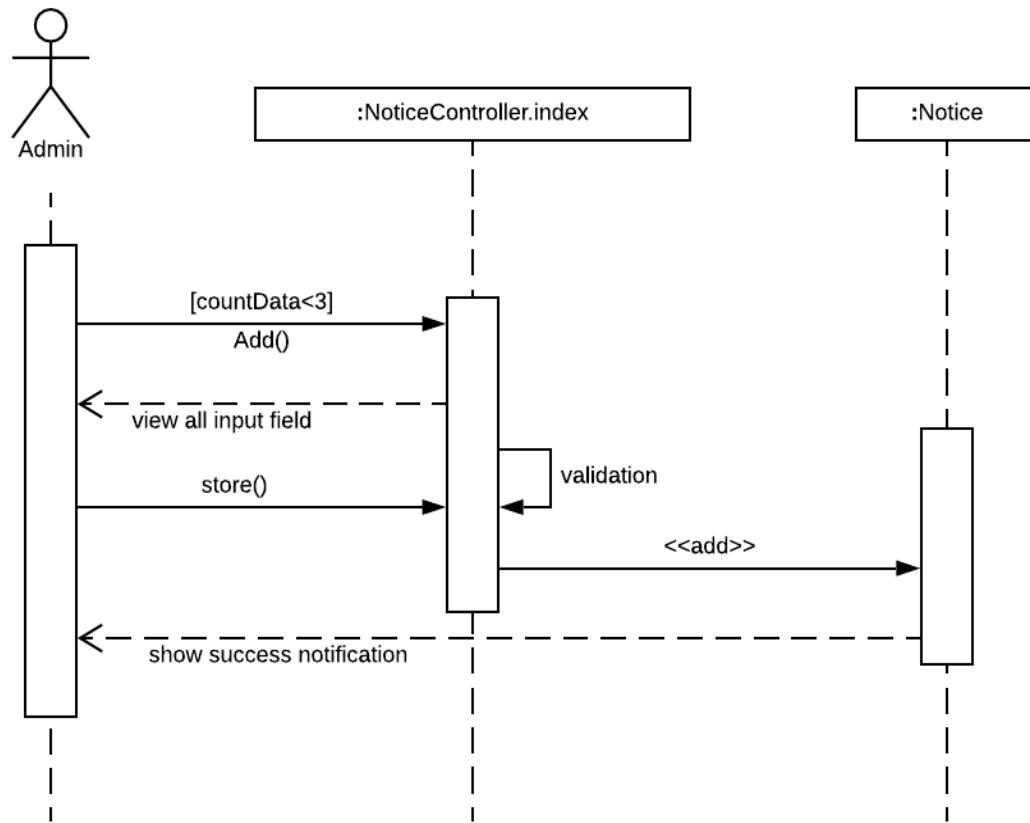


Figure 3.6.12: Sequence diagram for add notice

### Add contact us

Contact us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.

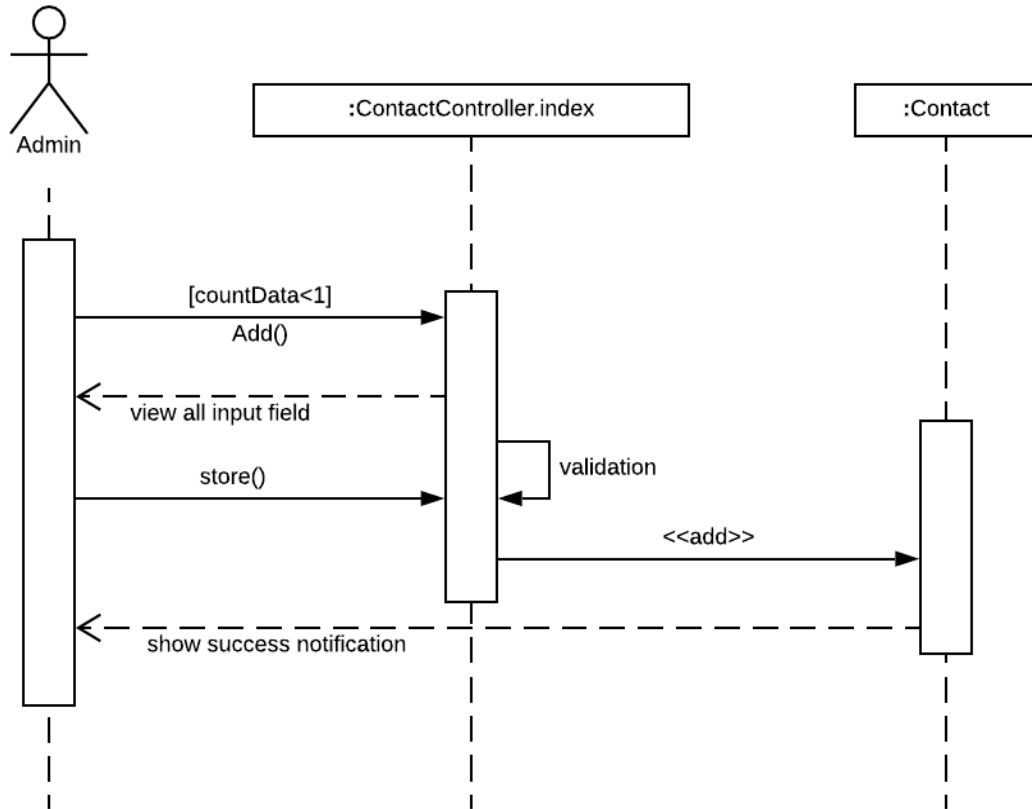


Figure 3.6.13: Sequence diagram for add contact us

### Add about us

About us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.

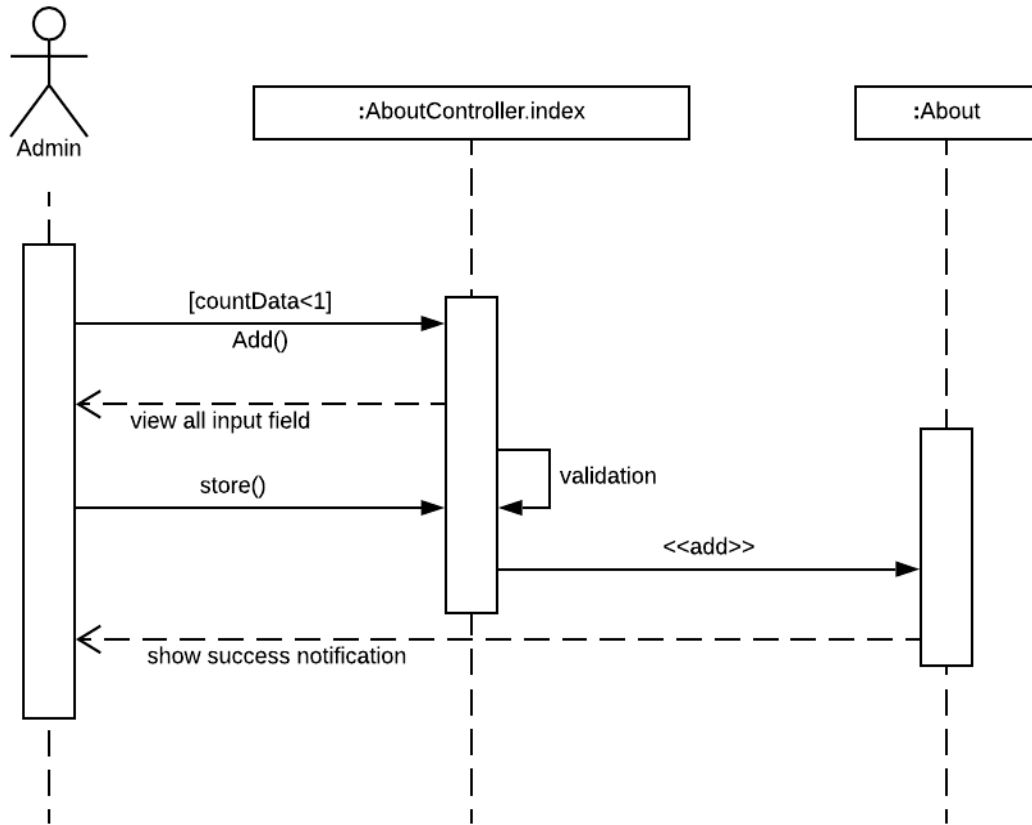


Figure 3.6.14: Sequence diagram for add about us

## Add division

Admin can add a new division by providing valid data. Duplicate entry is not allowed.

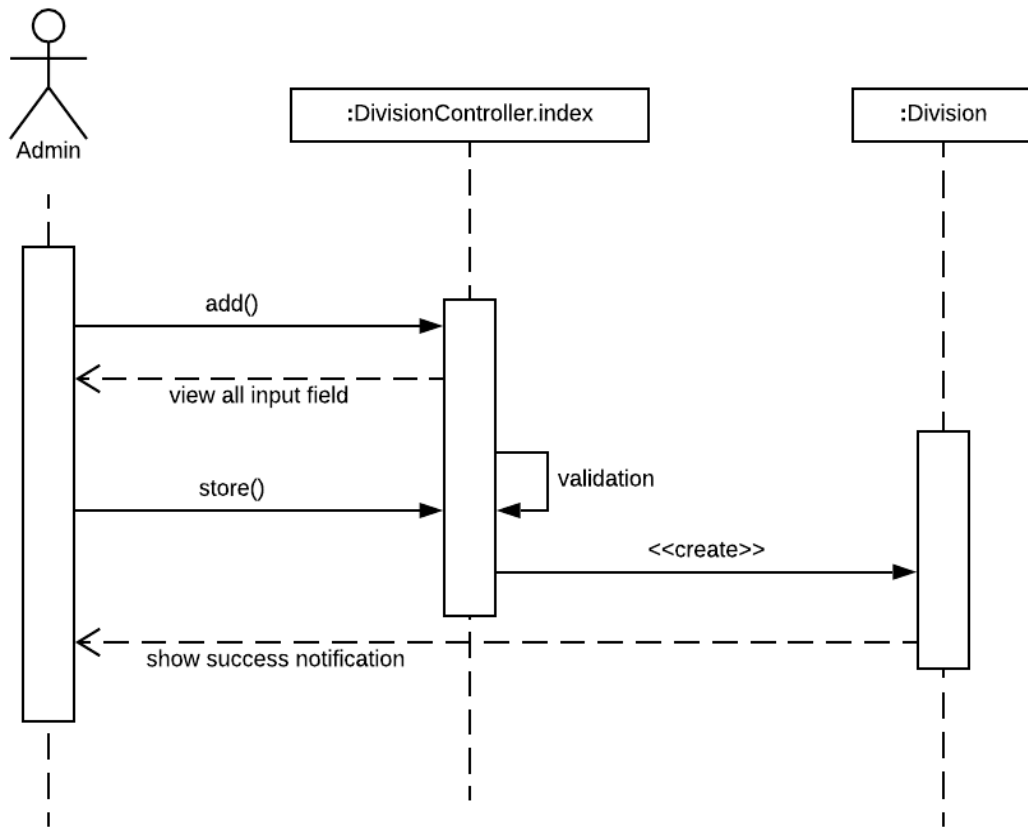


Figure 3.6.15: Sequence diagram for add division

### Add category

Admin can add a new traveling place category by providing valid data. Duplicate entry is not allowed.

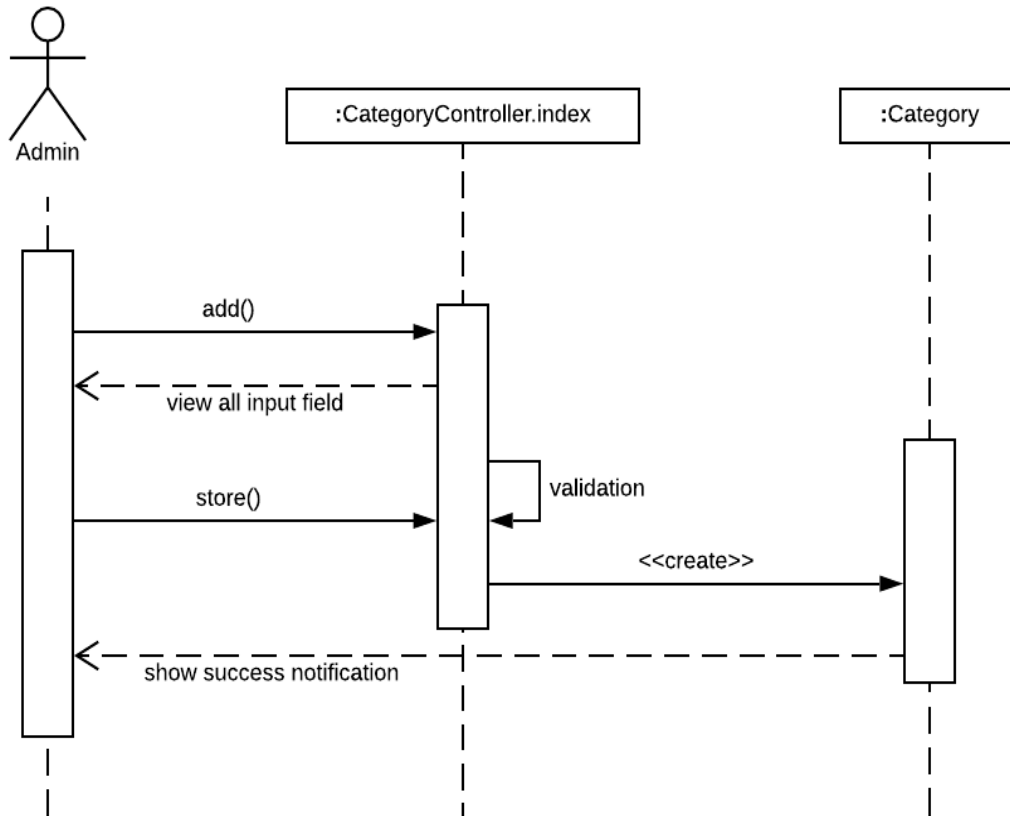


Figure 3.6.16: Sequence diagram for add category

### Add hotel

Hotels of different traveling locations is added by admin by providing valid data. Duplicate entry is not allowed.

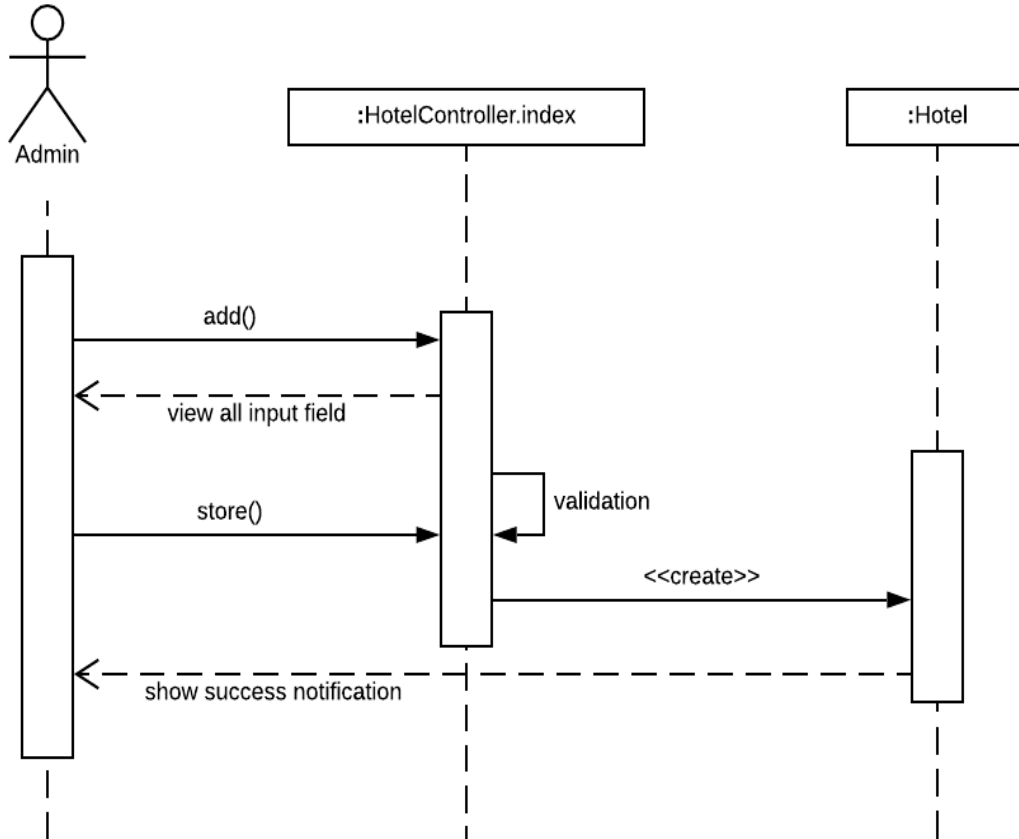


Figure 3.6.17: Sequence diagram for add hotel

### Add location

To add a new traveling location, admin must provide valid data and duplicate location is not allowed.

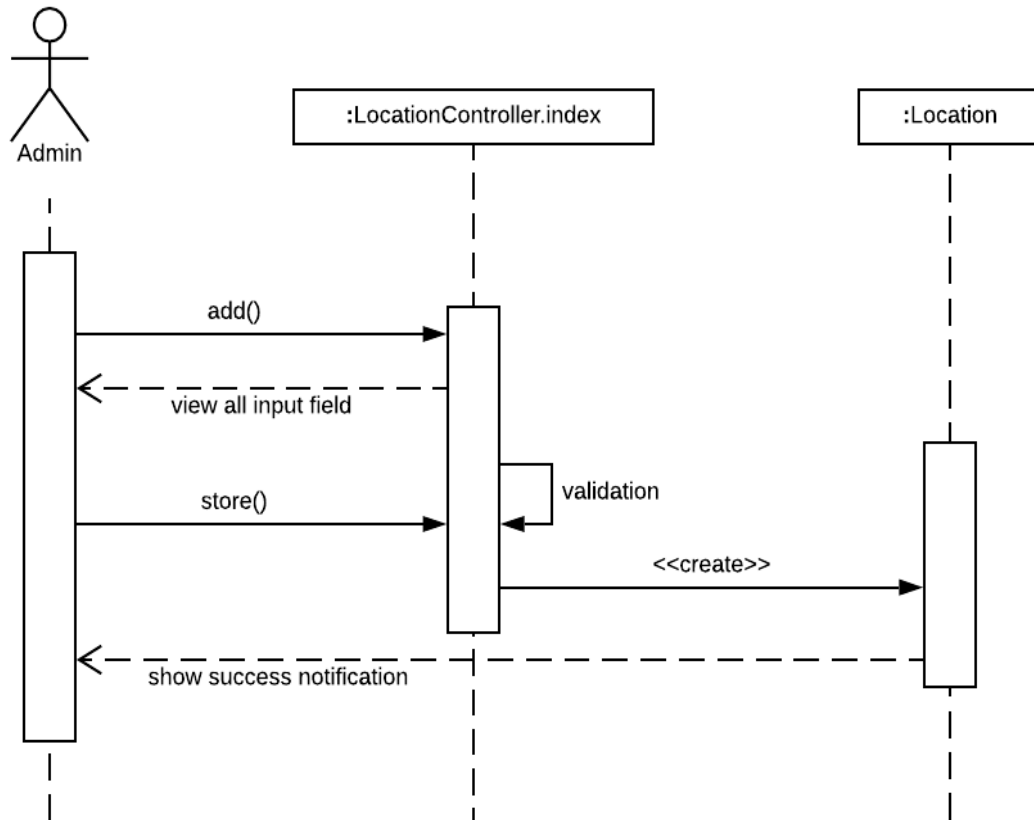


Figure 3.6.18: Sequence diagram for add location



### Manage post request

Admin can manage user post by checking whether the information is correct or not. Admin can also access to approve or remove the post.

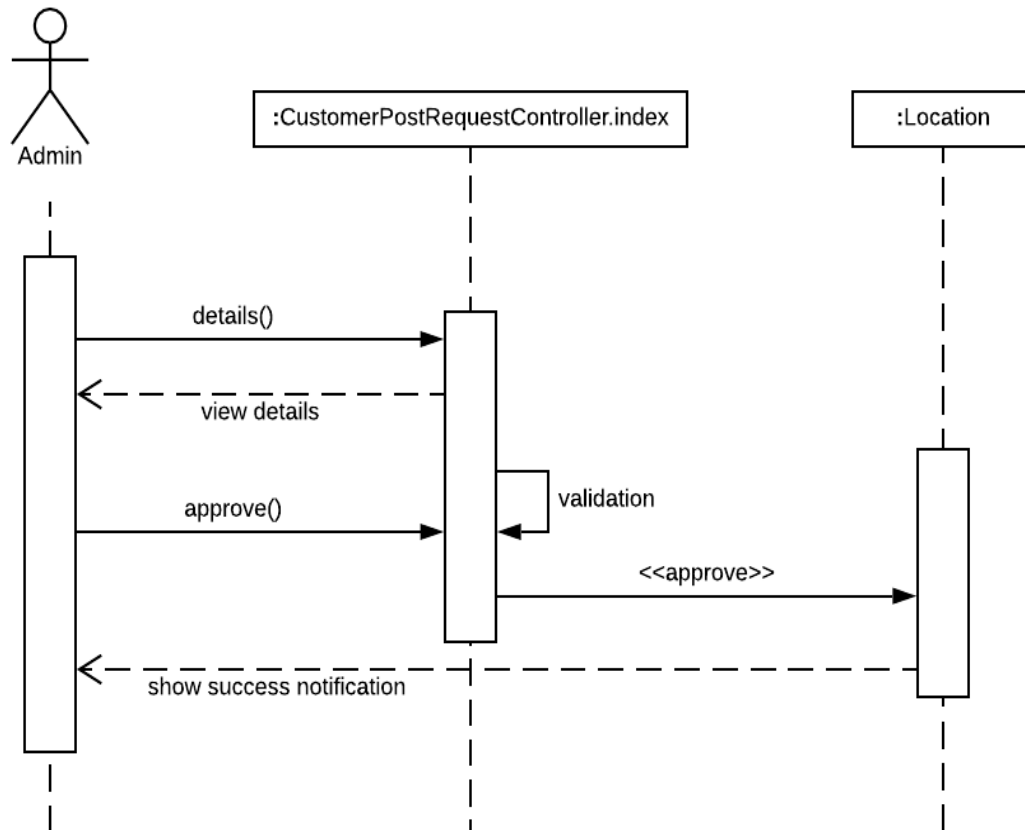


Figure 3.6.19: Sequence diagram for manage post request

### Manage event request

Admin can manage event request which is created by user, by checking whether the information is correct or not. After checking admin can approve or remove the event.

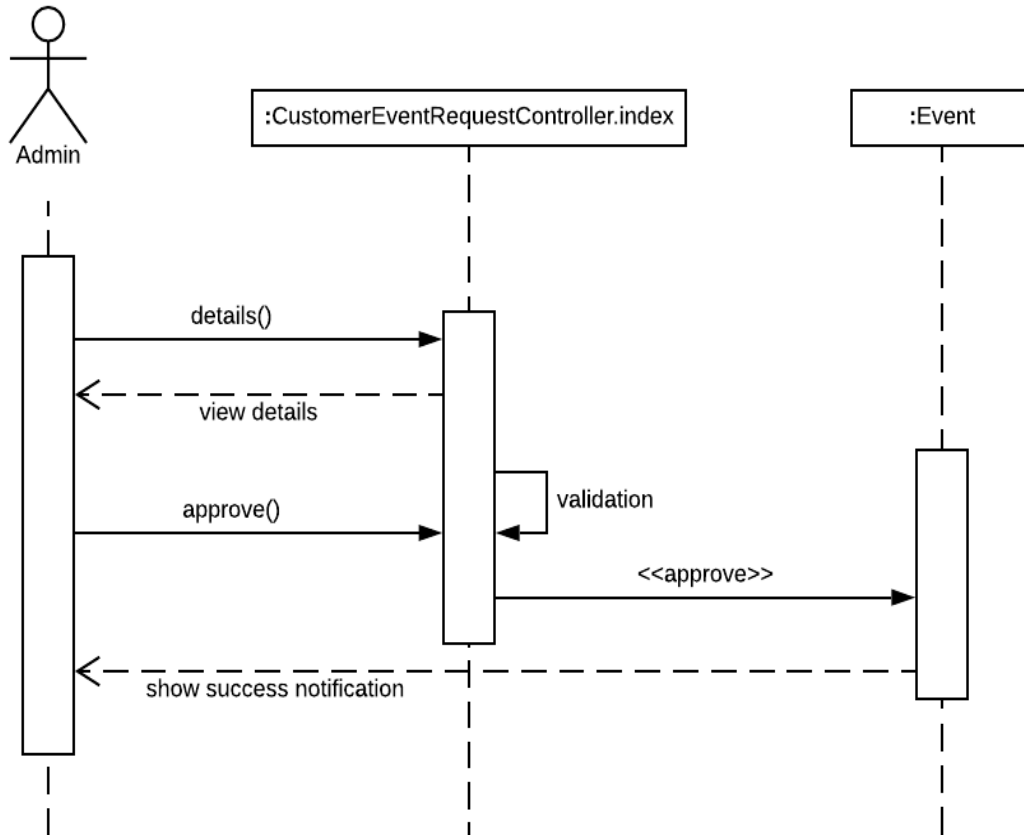


Figure 3.6.20: Sequence diagram for manage event request

## Live chat

Admin can live chat with user. Admin have to type message and click on sent.

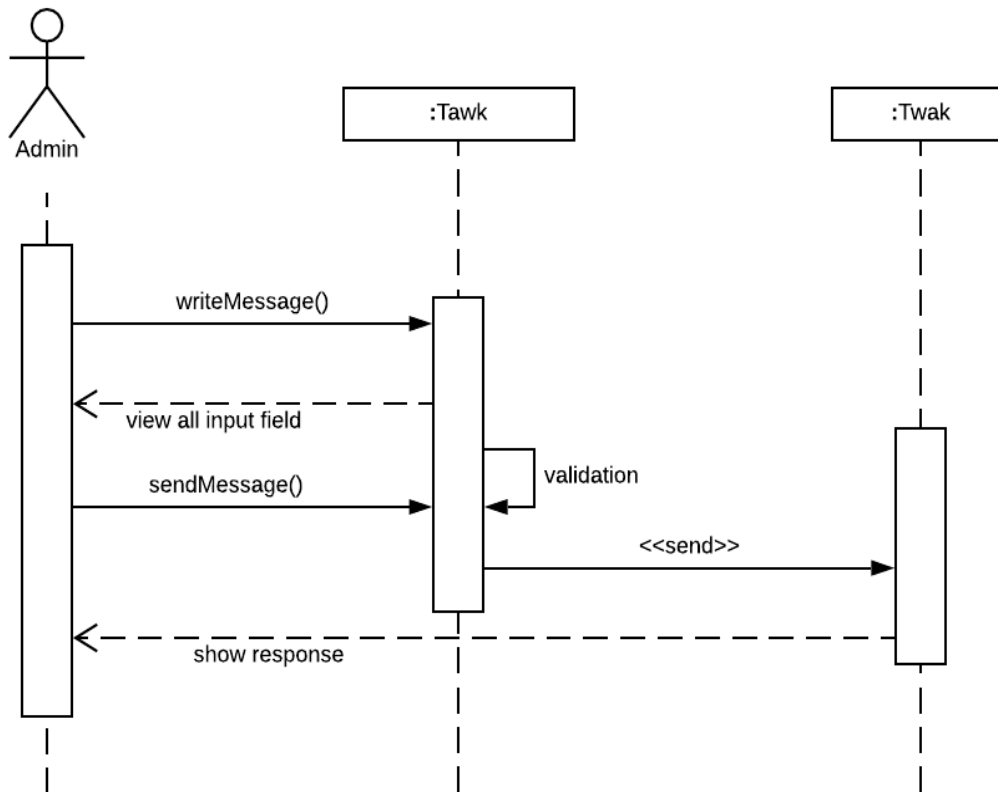


Figure 3.6.21: Sequence diagram for live chat

# **Chapter 4: System design specification**

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## **Development tools and technology**

Tools are essential for software development. Day by day development technology are getting easy. For update technology now a days software development is very easy. For my project development I used Laravel framework and sublime text as a text editor.

## **User interface technology**

First of all, after landing any application, interface of that software appears to the user. So, the importance of user interface is very high. For success of any software application, a good-looking user interface plays a vital role. User interface includes using good image, stylesheets, scripting etc.

## **CSS framework or bootstrap**

Bootstrap is a free and open-source responsive front-end CSS framework. It contains HTML, CSS and JavaScript-based design templates for forms, buttons, navigation and other interface components. This CSS framework support every browser like google chrome, Safari, Mozilla, Firefox etc.

## **Programming language**

For developing my web application system, I have used php framework Laravel as a back-end programming language. It is an open source language.

## **Implemented tools and platform**

There are some tools and technologies that need to be used for developing software. It is very important to determine which tools and platforms are the best matches for any requirements. After making a proper decision, one needs to start using them.

Integrated development environment (IDE)

In my application developing time used sublime text 3. It is fast, secure and provide a lot of snippets.

## **Database server**

For developing my whole project, I have used phpMyAdmin. It is very easy to use. Query, editing and managing the database is easy. It provides inline edit, advanced filters, export and import database.

# Class diagram

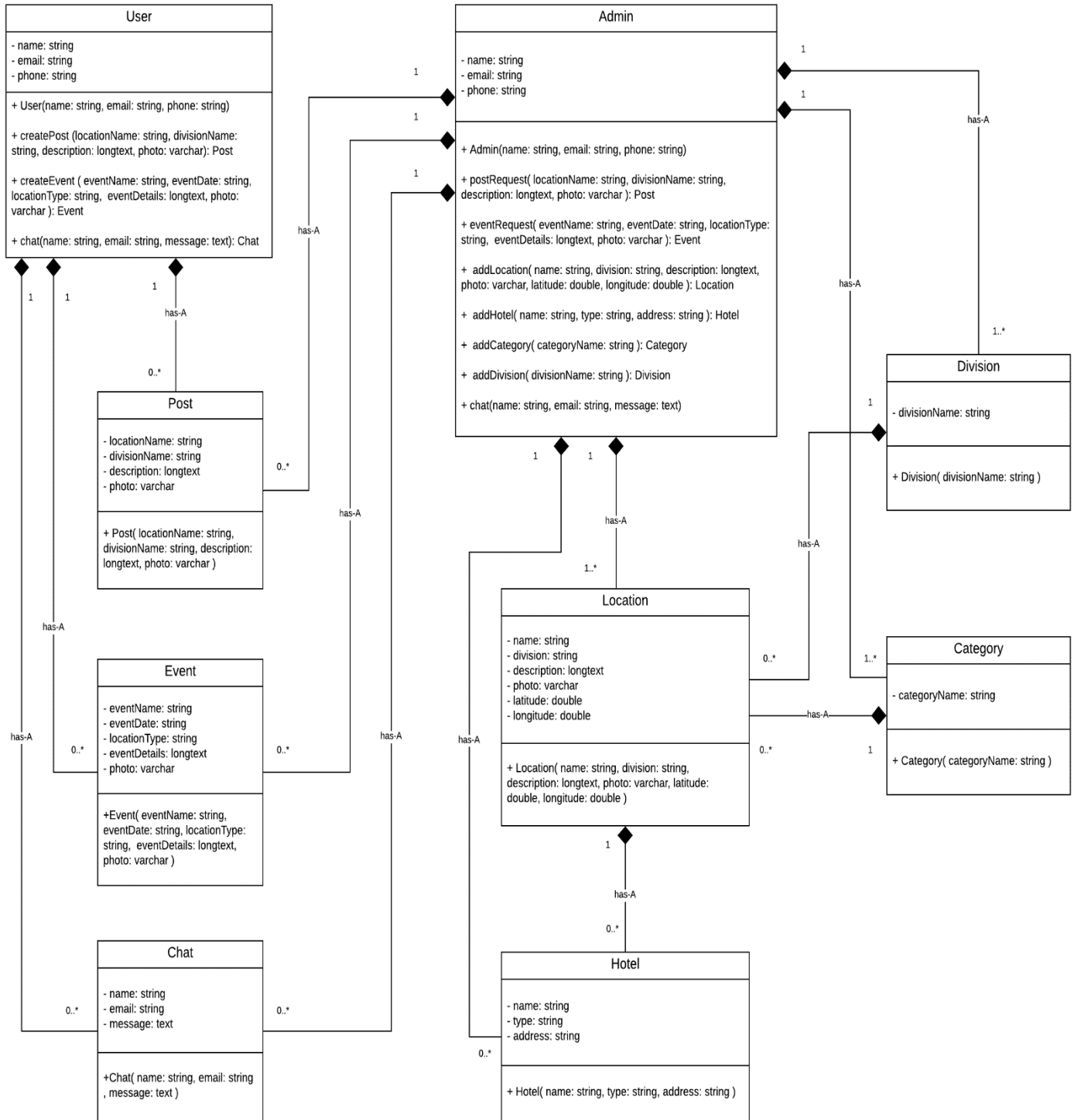


Figure 4.8: Class diagram

## Entity relationship diagram (ERD)

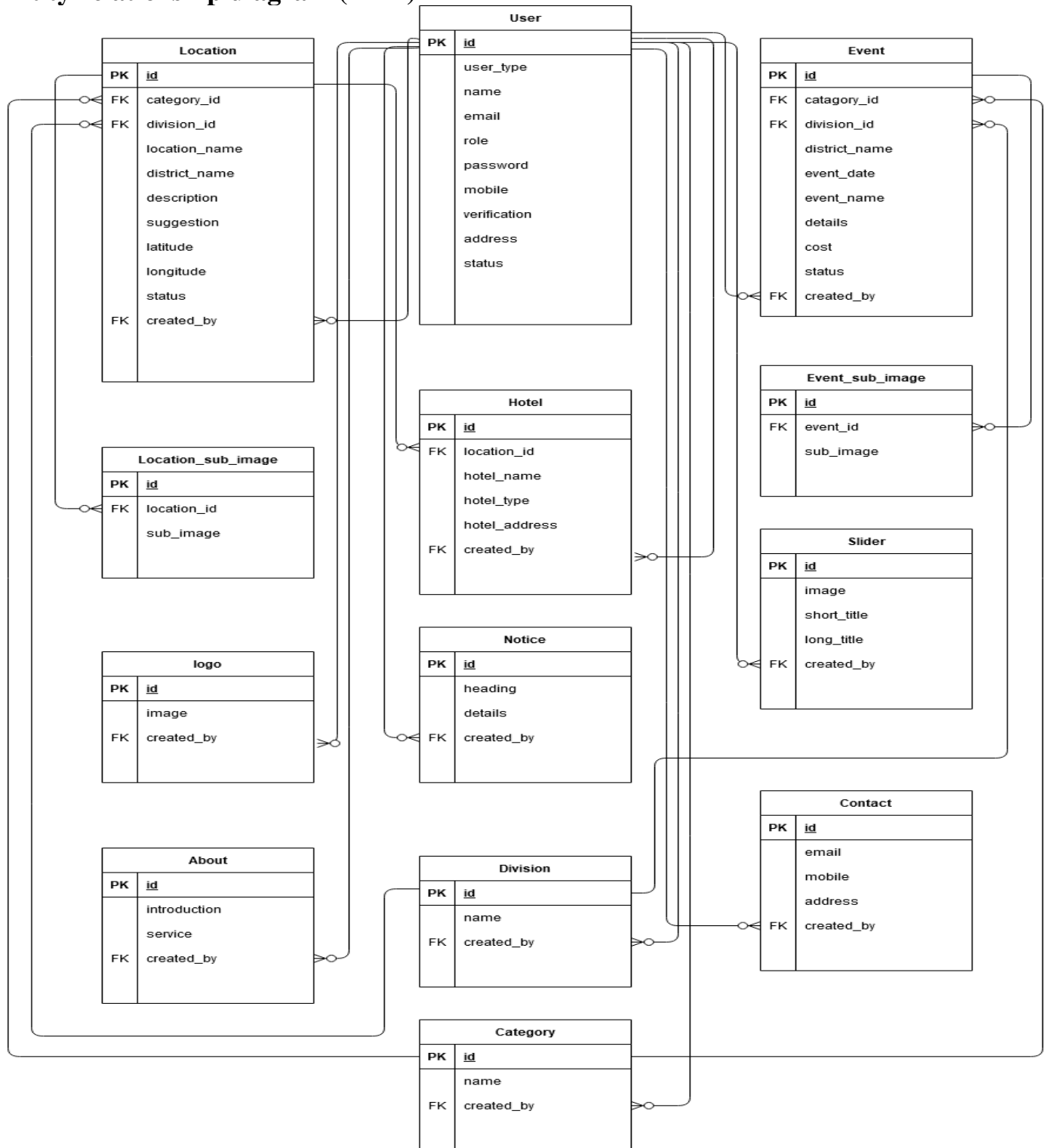


Figure 4.9: Entity relationship diagram

## **Chapter 5: System test**

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## Testing features

### Feature to be tested

Priority level

- High priority = 3
- Medium priority = 2
- Low priority = 1

### User part

Feature	Priority	Description
Sign up	3	Provided data must be valid
Log in	3	Must be approved account
Log out	2	Session must be flush after log out
Find location	3	View existing tour locations
Update profile	3	Update user information properly
Create post	3	Post data must be inserted properly
Find tour event	3	View current tour events
Create event	3	Event data must be inserted properly
Live chat	1	Display live chat field properly

### Admin part

Feature	Priority	Description
Log in	3	Must be approved account
Log out	2	Session must be flush after log out
Add user	3	Provided data must be valid
Update profile	3	Update user information properly
Add logo	1	View current data properly
Add slider	1	Provided data must be valid
Add notice	1	Notice data must be valid and inserted properly
Add contact us	1	Contact us data must be valid and inserted properly
Add about us	1	About us data must be valid and inserted properly

Add division	3	Provided data must be valid
Add category	3	Provided data must be valid
Add hotel	3	Provided data must be valid
Add location	3	Provided data must be valid and inserted properly
Manage post request	3	Verify those post data that are valid/invalid
Manage event request	3	Verify those event data that are valid/invalid
Live chat	1	Display live chat field properly

## Traceability Matrix

### User part

Project manager			Business analyst lead		
QA lead			Target implementation date		
BR#	Functional/Activity	Description	Use case reference	Test case reference	Comments
BR01	Functional	Sign up	Use case 3.3.1	Test case 5.3.1	
BR02	Functional	Log in	Use case 3.3.2	Test case 5.3.2	
BR03	Functional	Find location	Use case 3.3.3	Test case 5.3.3	
BR04	Functional	Update profile	Use case 3.3.4	Test case 5.3.4	
BR05	Functional	Create post	Use case 3.3.5	Test case 5.3.5	
BR06	Functional	Find tour event	Use case 3.3.6	Test case 5.3.6	
BR07	Functional	Create event	Use case 3.3.7	Test case 5.3.7	
BR08	Functional	Live chat	Use case 3.4.14	Test case 5.3.8	

**Admin part**

<b>Project manager</b>			<b>Business analyst lead</b>		
<b>QA lead</b>			<b>Target implementation date</b>		
<b>BR#</b>	<b>Functional/Activity</b>	<b>Description</b>	<b>Use case reference</b>	<b>Test case reference</b>	<b>Comments</b>
<b>BR01</b>	Functional	Log in	Use case 3.3.1	Test case 5.3.9	
<b>BR02</b>	Functional	Add user	Use case 3.4.1	Test case 5.3.10	
<b>BR03</b>	Functional	Update profile	Use case 3.4.2	Test case 5.3.11	
<b>BR04</b>	Functional	Add logo	Use case 3.4.3	Test case 5.3.12	
<b>BR05</b>	Functional	Add slider	Use case 3.4.4	Test case 5.3.13	
<b>BR06</b>	Functional	Add notice	Use case 3.4.5	Test case 5.3.14	
<b>BR07</b>	Functional	Add contact us	Use case 3.4.6	Test case 5.3.15	
<b>BR08</b>	Functional	Add about us	Use case 3.4.7	Test case 5.3.16	
<b>BR09</b>	Functional	Add division	Use case 3.4.8	Test case 5.3.17	
<b>BR10</b>	Functional	Add category	Use case 3.4.9	Test case 5.3.18	
<b>BR11</b>	Functional	Add hotel	Use case 3.4.10	Test case 5.3.19	
<b>BR12</b>	Functional	Add location	Use case 3.4.11	Test case 5.3.20	
<b>BR13</b>	Functional	Manage post request	Use case 3.4.12	Test case 5.3.21	
<b>BR14</b>	Functional	Manage event request	Use case 3.4.13	Test case 5.3.22	
<b>BR15</b>	Functional	Live chat	Use case 3.4.14	Test case 5.3.23	

## Test case

### Sign up

<b>Test case#1</b>		<b>Test case name: Sign up</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		
<b>Short description:</b> A user can sign up by entering all valid data, after creating his account, it's pending for email verification.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>All data provided by user must be valid</li> <li>User must have an internet connection</li> <li>Registered user is not allowed</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Data missing	Fail	
2	All required data filled, but duplicate email	Duplicate email	Fail	
3	All required data filled, but duplicate phone number	Duplicate phone number	Fail	
4	All required data is filled	Success	Pass	
<b>Post-condition:</b> Successfully create user account				

### Log in

<b>Test case#2</b>		<b>Test case name: Log in</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		
<b>Short description:</b> User log in with valid email address and password.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>All data provided by user must be valid</li> <li>User must have an internet connection</li> <li>User must be registered</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>

	Email	Password			
1	sikdermithu@	12345678	Invalid email	Fail	
2	Sikdermithu997@gmail.com	123	Invalid password	Fail	
3	Sikdermithu997@gmail.com	12345678	Success	Pass	
<b>Post-condition:</b> Successfully log in to user account					

### Find location

<b>Test case#3</b>		<b>Test case name: Find location</b>			
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A			
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020			
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020			
<b>Short description:</b> To find location user have to click on find location menu on the navigation bar and select division.					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must have an internet connection</li> <li>User must be registered</li> </ul>					
Step	Action	Response	Pass/Fail	Comment	
1	Wrong data show	Invalid data	Fail		
2	Filtering is not working	Invalid	Fail		
3	All valid data display	Success	Pass		
<b>Post-condition:</b> Successfully finds locations					

### Update profile

<b>Test case#4</b>		<b>Test case name: Update profile</b>			
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A			
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020			
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020			
<b>Short description:</b> To update user profile, must entered valid data. Duplicate email address, phone number is not allowed.					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must have an internet connection</li> </ul>					

<ul style="list-style-type: none"> <li>User must be registered</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All required data are not filled	Invalid data	Fail	
2	Duplicate email or phone	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully updates user profile				

### Create post

<b>Test case#5</b>	<b>Test case name: Create post</b>			
<b>System:</b> Travel Caste Bangladesh	<b>Sub system:</b> N/A			
<b>Designed by:</b> Anik Kanti Sikder	<b>Designed date:</b> 26/12/2020			
<b>Executed by:</b> Anik Kanti Sidker	<b>Executed date:</b> 26/12/2020			
<b>Short description:</b> To create post, must entered valid data and after submitting the data, wait for the admin approval.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>User must be registered</li> <li>All data provided by the user must be valid</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All required data are not filled	Invalid data	Fail	
2	Division is not selected	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully post created				

### Find tour event

<b>Test case#6</b>	<b>Test case name: Find tour event</b>			
<b>System:</b> Travel Caste Bangladesh	<b>Sub system:</b> N/A			
<b>Designed by:</b> Anik Kanti Sikder	<b>Designed date:</b> 26/12/2020			
<b>Executed by:</b> Anik Kanti Sidker	<b>Executed date:</b> 26/12/2020			
<b>Short description:</b> User can find all the running tour events by clicking Tour event menu on the navigation bar.				

<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>User must have an internet connection</li> <li>User must be registered</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	Wrong data show	Invalid data	Fail	
2	Filtering is not working	Invalid	Fail	
3	All valid data display	Success	Pass	
<b>Post-condition:</b> Successfully finds tour events				

### Create tour event

<b>Test case#7</b>	<b>Test case name: Create tour event</b>			
<b>System:</b> Travel Caste Bangladesh	<b>Sub system: N/A</b>			
<b>Designed by: Anik Kanti Sikder</b>	<b>Designed date: 26/12/2020</b>			
<b>Executed by: Anik Kanti Sidker</b>	<b>Executed date: 26/12/2020</b>			
<b>Short description:</b> User can create tour event by providing valid data and after submitting to wait for the admin approval.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>User must be registered</li> <li>All information about event provided by the user must be valid</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All required data are not filled	Invalid data	Fail	
2	Division is not selected	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully creates an event				

### Live chat

<b>Test case#8</b>	<b>Test case name: Live chat</b>			
<b>System:</b> Travel Caste Bangladesh	<b>Sub system: N/A</b>			
<b>Designed by: Anik Kanti Sikder</b>	<b>Designed date: 26/12/2020</b>			
<b>Executed by: Anik Kanti Sidker</b>	<b>Executed date: 26/12/2020</b>			
<b>Short description:</b> User can live chat with admin. User have to type message and click on sent.				

<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>User must have internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All data is not provided	Invalid	Fail	
2	Click on sent button without writing any message	Invalid	Fail	
3	Write message	Success	Pass	
<b>Post-condition:</b> Live chat successful				

### Admin log in

<b>Test case#1</b>		<b>Test case name: Log in</b>			
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A			
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020			
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020			
<b>Short description:</b> Admin log in with valid email address and password.					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>All data provided by user must be valid</li> <li>Admin must have an internet connection</li> <li>Admin must be registered</li> </ul>					
Step	Action		Response	Pass/Fail	Comment
	Email	Password			
1	Kantiamitsikder66146@	123456	Invalid email	Fail	
2	Kantiamitsikder66146@gmail.com	123	Invalid password	Fail	
3	Kantiamitsikder66146@gmail.com	123456	Success	Pass	
<b>Post-condition:</b> Successfully log in to admin account					

### Add user

<b>Test case#2</b>		<b>Test case name: Add user</b>			
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A			



<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> An admin can add multiple user.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>Admin must be logged in</li> <li>Admin must have an internet connection</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Invalid data	Fail	
2	User role is not selected	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully added a user				

### Update profile

<b>Test case#3</b>		<b>Test case name: Update profile</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> To update admin profile, must entered valid data. Duplicate email address, phone number is not allowed.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>Admin must have an internet connection</li> <li>Admin must be registered</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Invalid data	Fail	
2	Duplicate email or phone	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully updates admin profile				

### Add logo

<b>Test case#4</b>	<b>Test case name: Add logo</b>
--------------------	---------------------------------

<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		
<b>Short description:</b> To add a logo, admin have to provide valid data. If a logo exists already, admin can edit and update by another logo.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	Wrong image size	Invalid data	Fail	
2	Provide valid data	Success	Pass	
<b>Post-condition:</b> Successfully added logo				

#### Add slider

<b>Test case#5</b>		<b>Test case name:</b> Add slider		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		
<b>Short description:</b> An admin can add multiple slides on the site.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All required data are not filled	Invalid data	Fail	
2	Image size is not valid	Invalid	Fail	
3	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully added slider				

#### Add notice

<b>Test case#6</b>		<b>Test case name:</b> Add notice		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		

<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> An admin can add notices on the site.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Invalid data	Fail	
2	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully added notice				

#### Add contact us

<b>Test case#7</b>		<b>Test case name: Add contact us</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> Contact us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Invalid data	Fail	
2	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully added contact us information				

#### Add about us

<b>Test case#8</b>		<b>Test case name: Add about us</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		

<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> About us information is added by the admin. To add, must entered valid data and if information already exists, admin can edit and update providing new data. If there is no data, then admin can add new data.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	All required data are not filled	Invalid data	Fail	
2	All data is filled	Success	Pass	
<b>Post-condition:</b> Successfully added about us information				

#### Add division

<b>Test case#9</b>		<b>Test case name: Add division</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> Admin can add a new division by providing valid data. Duplicate entry is not allowed.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• All data provided by the user must be valid</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	Duplicate data provided	Invalid data	Fail	
2	Valid data filled	Success	Pass	
<b>Post-condition:</b> Successfully added a division				

#### Add category

<b>Test case#10</b>		<b>Test case name: Add category</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		

<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> Admin can add new category to the site.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• All data provided by the user must be valid</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	Duplicate data provided	Invalid data	Fail	
2	Valid data filled	Success	Pass	
<b>Post-condition:</b> Successfully added a category				

### Add hotel

<b>Test case#11</b>		<b>Test case name: Add hotel</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		
<b>Short description:</b> Hotels of different traveling locations is added by admin by providing valid data. Duplicate entry is not allowed.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• All data provided by the user must be valid</li> </ul>				
<b>Step</b>	<b>Action</b>	<b>Response</b>	<b>Pass/Fail</b>	<b>Comment</b>
1	Duplicate data provided	Invalid data	Fail	
2	Valid data filled	Success	Pass	
<b>Post-condition:</b> Successfully added a hotel				

### Add location

<b>Test case#12</b>		<b>Test case name: Add location</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by: Anik Kanti Sikder</b>		<b>Designed date: 26/12/2020</b>		
<b>Executed by: Anik Kanti Sidker</b>		<b>Executed date: 26/12/2020</b>		

<b>Short description:</b> To add a new traveling location, admin must provide valid data and duplicate location is not allowed.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• All data provided by the user must be valid</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	Duplicate data provided	Invalid data	Fail	
2	Valid data filled	Success	Pass	
<b>Post-condition:</b> Successfully added a location				

### Manage post request

<b>Test case#13</b>		<b>Test case name: Manage post request</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		
<b>Short description:</b> Admin can manage user post by checking whether the information is correct or not. Admin has also access to approve or remove the post.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>• Admin must be logged in</li> <li>• Admin must have an internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	Approve post	Invalid	Fail	
2	Approve post	Success	Pass	
3	Remove post	Invalid	Fail	
4	Remove post	Success	Pass	
<b>Post-condition:</b> Successfully post request monitored				

### Manage event request

<b>Test case#14</b>		<b>Test case name: Manage event request</b>		
<b>System:</b> Travel Caste Bangladesh		<b>Sub system:</b> N/A		
<b>Designed by:</b> Anik Kanti Sikder		<b>Designed date:</b> 26/12/2020		
<b>Executed by:</b> Anik Kanti Sidker		<b>Executed date:</b> 26/12/2020		

<b>Short description:</b> Admin can manage event request which is created by user, by checking whether the information is correct or not. After checking admin can approve or remove the event.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>Admin must be logged in</li> <li>Admin must have an internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	Approve event	Invalid	Fail	
2	Approve event	Success	Pass	
3	Remove event	Invalid	Fail	
4	Remove event	Success	Pass	
<b>Post-condition:</b> Successfully event request monitored				

### Live chat

<b>Test case#15</b>	<b>Test case name: Live chat</b>			
<b>System:</b> Travel Caste Bangladesh	<b>Sub system: N/A</b>			
<b>Designed by: Anik Kanti Sikder</b>	<b>Designed date: 26/12/2020</b>			
<b>Executed by: Anik Kanti Sidker</b>	<b>Executed date: 26/12/2020</b>			
<b>Short description:</b> Admin can live chat with admin. Admin have to type message and click on sent.				
<b>Pre-condition:</b>				
<ul style="list-style-type: none"> <li>Admin must have internet connection</li> </ul>				
Step	Action	Response	Pass/Fail	Comment
1	All data is not provided	Invalid	Fail	
2	Click on sent button without writing any message	Invalid	Fail	
3	Write message	Success	Pass	
<b>Post-condition:</b> Live chat successful				

## **Chapter 6: User manual**

---



## User registration

Users need to sign up to create an account for this application. First of all they need to provide valid information. After that, they have to log in to use this application-

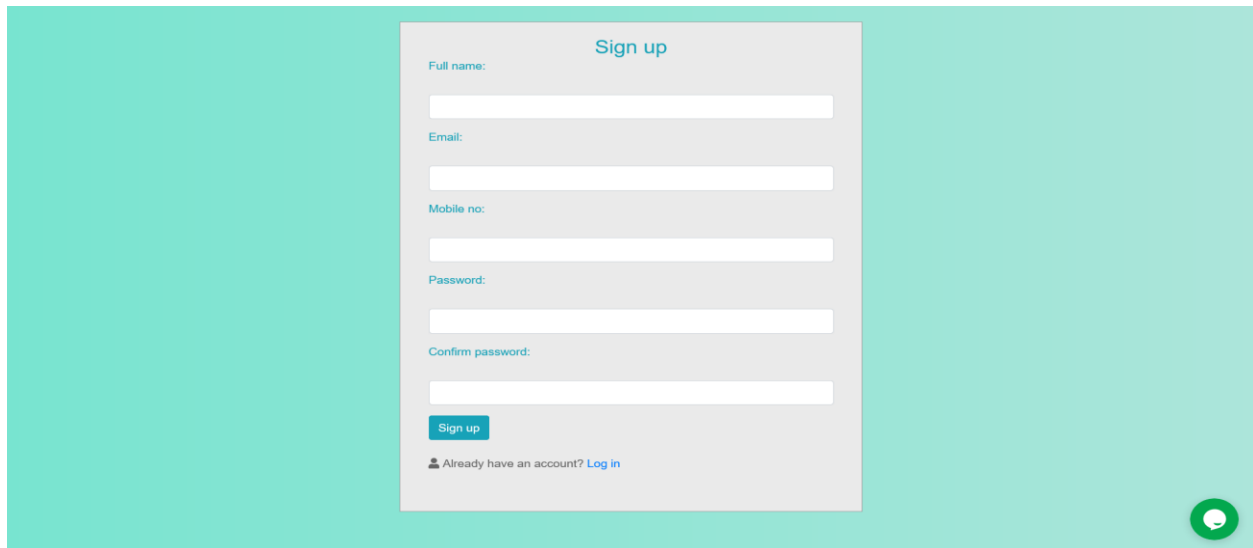
A screenshot of a user registration form titled "Sign up". The form is centered on a light teal background. It contains five input fields: "Full name:", "Email:", "Mobile no:", "Password:", and "Confirm password:". Below the fields is a blue "Sign up" button. At the bottom, there is a link: "Already have an account? Log in". A green chat bubble icon is visible in the bottom right corner of the page.

Figure 6.1: User registration

## Log in

This is the log in page of this application. Users have to provide valid information of sign up to log in-

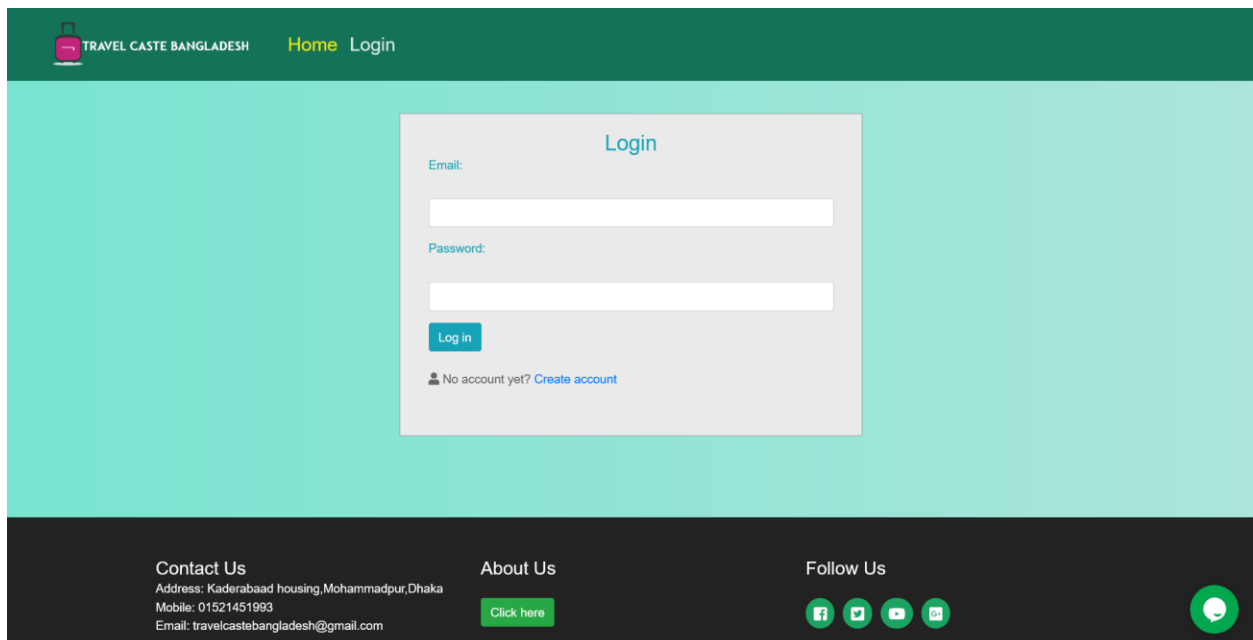
A screenshot of a user login page. The page has a dark green header with the logo "TRAVEL CASTE BANGLADESH" and navigation links "Home" and "Login". The main content area is light teal and features a "Login" form with two input fields: "Email:" and "Password:". Below the fields is a blue "Log in" button. At the bottom of the form, there is a link: "No account yet? Create account". The footer is black and contains contact information, an "About Us" link with a "Click here" button, and social media icons for Facebook, Twitter, YouTube, and Instagram. A green chat bubble icon is in the bottom right corner.

Figure 6.2: Log in

## Home page

This is the home page of this application-

TRAVEL CASTE BANGLADESH Home Login

One  
Slider one

Noticeboard  
Date: 14-01-2021  
Covid 19 (Bangladesh)  
Confirmed: 436,684 New cases: +2,212 Recovered: 352,895 Death: +6,254

EXPLORE BANGLADESH  
welcome to heaven

All locations Historical Sea beach Religious Hill tracts Mangrove forest Canal

**Floating Guava Market**  
The southern region of Bangladesh is famous for guavas, more popularly known in Bangladesh as 'Benga...

**Lakhutia Zamindar Bari**  
The Zamindar Bari, situated on 49.50 acres of land in Lakhutia village under Babuganj upazila, was b...

**Patenga Sea Beach**  
Patenga is a sea beach of the Bay of Bengal, located 14 kilometres south from the port city of Chatt...

See details See details See details

Figure 6.3: Home page

## Find location

Users have to select the division and will find division wise travel locations-

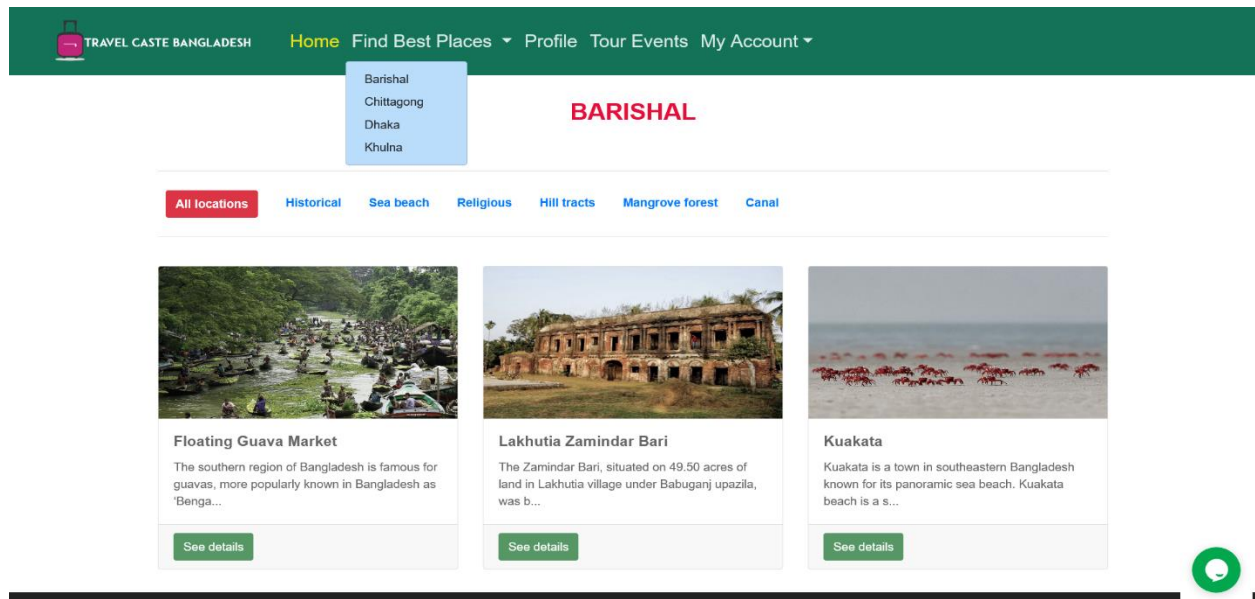


Figure 6.4: Find location

## Find tour event

Users have to click the tour events menu from the navbar and will find all the current tour events-

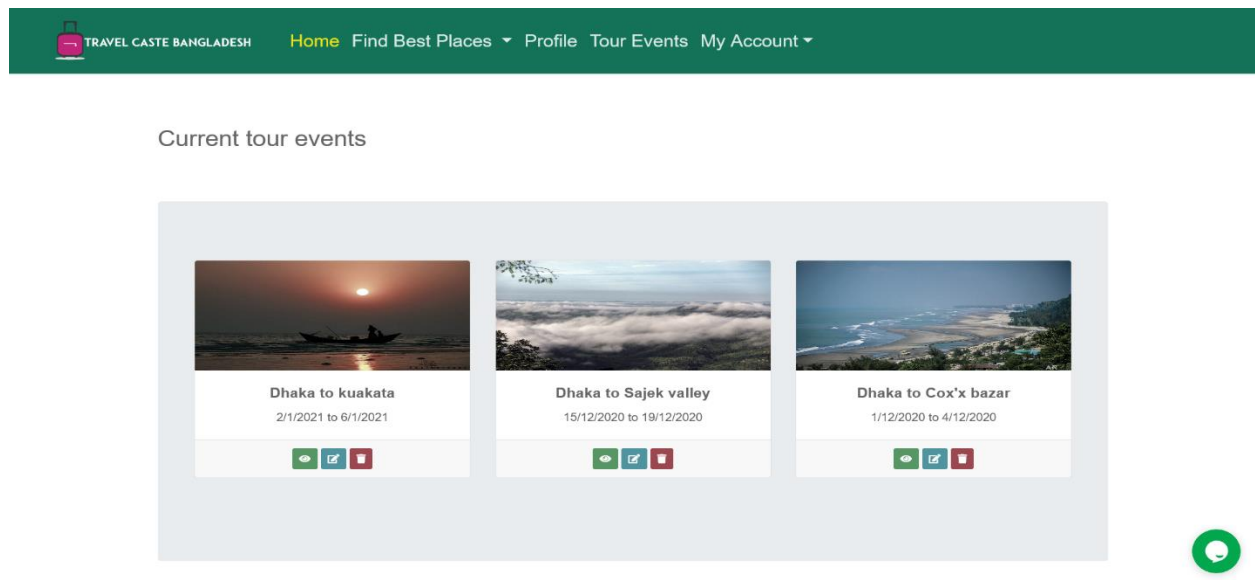


Figure 6.5: Find tour event

## My profile

Users have to click the profile menu from the navbar and will see profile page of the user-

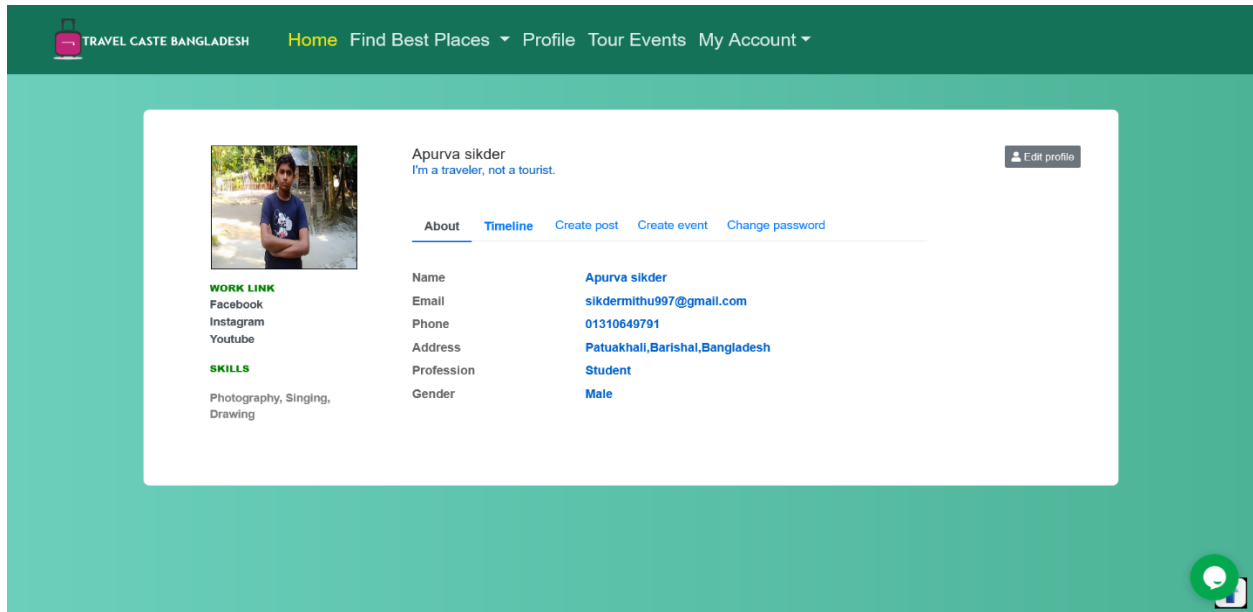


Figure 6.6: My profile

## Edit profile

Users can edit their profile from edit profile menu-

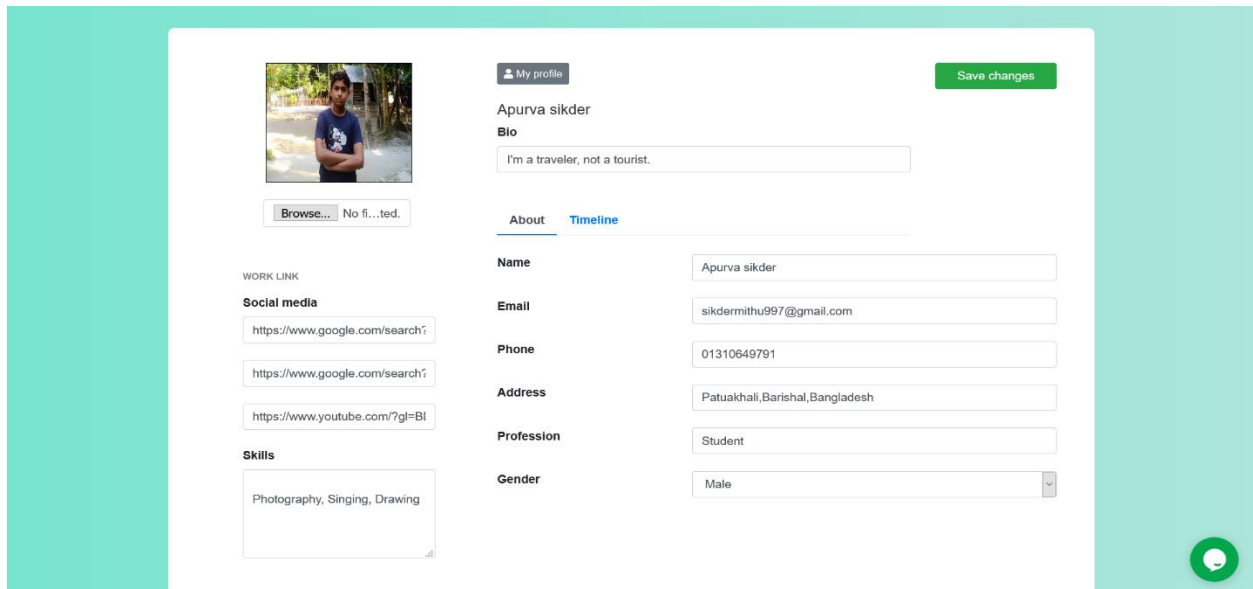


Figure 6.7: Edit profile

## Change password

Users can update their current password from this change password page-

The screenshot shows the 'Change your password' page for user Apurva sikder. The page features a profile picture, a bio, and a list of skills (Photography, Editing, Writing). The main form contains three input fields: 'Current password', 'New password', and 'Confirm new password', each with a placeholder text. An 'Update' button is located at the bottom right of the form. The page is part of a website with a green header and a dark footer containing contact information and social media links.

Figure 6.8: Change password.

## Create post

Users can post on the application. This is the create post page-

The screenshot shows the 'Share your visited experience' page for user Apurva sikder. The page features a profile picture, a bio, and a list of skills (Photography, Editing, Writing). The main form contains several input fields: 'Location name', 'Category', 'Division', 'District name', 'Description', and 'Suggestion'. Each field has a placeholder text. The 'Category' and 'Division' fields are dropdown menus. An 'Update' button is located at the bottom right of the form. The page is part of a website with a green header and a dark footer containing contact information and social media links.

Figure 6.9: Create post.

## Create event

Users can create tour event on the application. This is the create event page-

The screenshot shows the 'Create event' page for a user named Apurva Sikder. The page has a dark green header with the logo 'TRAVEL CASTE BANGLADESH' and navigation links: Home, Find Best Places, Profile, Tour Events, and My Account. The user's profile picture and name are at the top left. Below the profile, there are social media links for Facebook, Instagram, and Twitter, and a list of skills: Photography, Editing, and Writing. The main form is titled 'Create tour event' and contains the following fields:

- Event name:
- Event date:
- Location type:
- Division:
- District name:
- Event details:
- Suggestion:

A 'My profile' button is located in the top right corner of the user's profile section. A chat icon is visible in the bottom right corner of the page.

Figure 6.10: Create event.

## Admin dashboard

This is the admin dashboard for this application. Admin will see this page after log in-

The screenshot shows the Admin Dashboard for 'Travel caste Bangladesh'. The dashboard is for the user 'Anik kanti sikder' and is dated '26-12-2020'. The dashboard features a sidebar with navigation options: User, Profile, Logo, Slider, Notice, Contact, About, Division, Category, Hotel, Location, Customer, Post request, and Event request. The main content area displays four key metrics:

- Total user: 1
- New post request: 0
- New event request: 0
- Visitors: 0

Each metric card includes a 'More info' button with a plus icon. The footer contains the copyright notice 'Copyright © 2020 Anik kanti sikder All rights reserved.' and the text 'Design and developed by Anik kanti sikder'.

Figure 6.11: Admin dashboard.

## Add user

Add can add new user as admin role in this application. This is the add user page-

Travel caste Bangladesh

Home Contact **Date:-14-01-2021** Anik kanti sikder

Manage user [Home / User](#)

**Add user** [User list](#)

Role	Name	Email
<input type="text" value="User role"/>	<input type="text" value="User name"/>	<input type="text" value="Email address"/>

Password	Confirm password
<input type="text" value="Password"/>	<input type="text" value="Confirm password"/>

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Figure 6.12: Add user.

## Admin profile

This is the admin profile page. Admin can edit profile and change password from this page-

Travel caste Bangladesh

Home Contact **Date:-26-12-2020** Anik kanti sikder

Manage profile [Home / Profile](#)

**Anik kanti sikder**  
Mohammadpur, Dhaka

Mobile no	01521451993
Email	kantiamitsikder66146@gmail.com
Gender	Male

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Figure 6.13: Admin profile.

## Add logo

Admin can change logo of this application. This is the add logo page-

Travel caste Bangladesh




Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage Logo

Home / Logo

#### Logo list

Show 10 entries Search:

SL.	Logo	Action
1		 

Showing 1 to 1 of 1 entries Previous 1 Next

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Figure 6.14: Add logo.

## Add slider

Admin can add, edit and delete sliders of this application. This is the add slider page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage Slider

Home / slider

#### Slider list

Show 10 entries Search: Add slider













SL.	Slider	Short title	Long title	Action
1		One	Slider one	 
2		Two	Slider two	 
3		Three	Slider three	 
4		Four	Forth slide	 

Figure 6.15: Add slider.



## Add notice

Admin can add, edit and delete notice on this application. This is the add notice page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

Manage notice Home / notice

Notice list Add notice

SL.	Notice one	Details	Action
1	Covid 19 (Bangladesh)	Confirmed: 436,684 New cases: +2,212 Recovered: 352,895 Death: +6,254	
2	Restriction issue	After lockdown, there are many tourists are travelling through different places. It's your responsibility to take right decisions.	

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Figure 6.16: Add notice.

## Add contact

Admin can add, edit and update information of contacting ways with this application. This is the add contact page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

Manage Contact Home / contact

Contact list

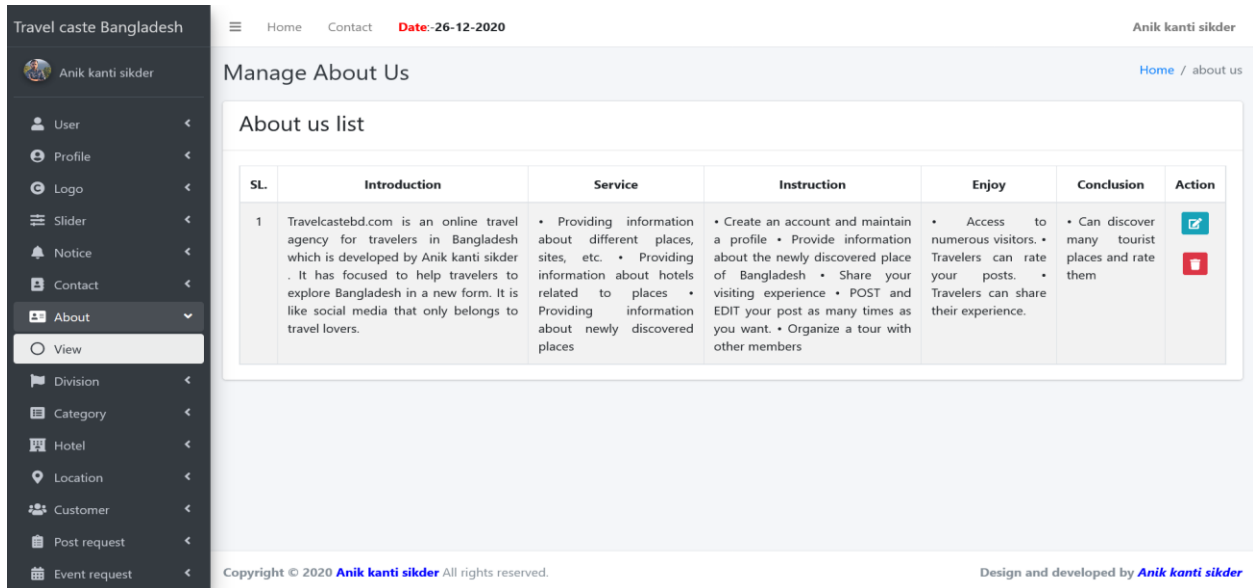
SL.	Email	Mobile	Address	Facebook	Twitter	Youtube
1	travelcastebangladesh@gmail.com	01521451993	Kaderabaad housing, Mohammadpur, Dhaka	https://www.facebook.com/	https://twitter.com/?lang=en	https://www.youtube.com/

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Figure 6.17: Add contact.

## Add about us

Admin can add, edit and update information about site. This is the add about us page-



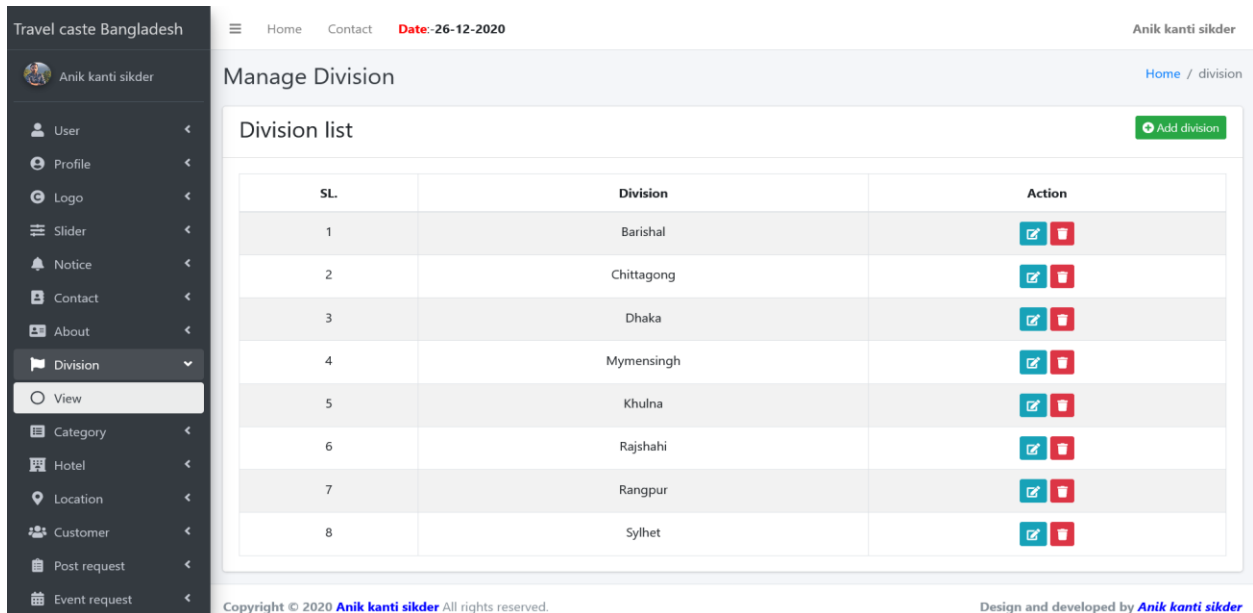
The screenshot shows the 'Manage About Us' page. The left sidebar contains a menu with 'About' selected. The main content area displays a table with the following data:

SL.	Introduction	Service	Instruction	Enjoy	Conclusion	Action
1	Travelcastebd.com is an online travel agency for travelers in Bangladesh which is developed by Anik kanti sikder . It has focused to help travelers to explore Bangladesh in a new form. It is like social media that only belongs to travel lovers.	<ul style="list-style-type: none"><li>• Providing information about different places, sites, etc.</li><li>• Providing information about hotels related to places</li><li>• Providing information about newly discovered places</li></ul>	<ul style="list-style-type: none"><li>• Create an account and maintain a profile</li><li>• Provide information about the newly discovered place of Bangladesh</li><li>• Share your visiting experience</li><li>• POST and EDIT your post as many times as you want.</li><li>• Organize a tour with other members</li></ul>	<ul style="list-style-type: none"><li>• Access to numerous visitors.</li><li>• Travelers can rate your posts.</li><li>• Travelers can share their experience.</li></ul>	<ul style="list-style-type: none"><li>• Can discover many tourist places and rate them</li></ul>	<a href="#">Edit</a> <a href="#">Delete</a>

Figure 6.18: Add about us.

## Add division

Admin have to click the division menu to add new division. This is the add division page-



The screenshot shows the 'Manage Division' page. The left sidebar contains a menu with 'Division' selected. The main content area displays a table with the following data:

SL.	Division	Action
1	Barishal	<a href="#">Edit</a> <a href="#">Delete</a>
2	Chittagong	<a href="#">Edit</a> <a href="#">Delete</a>
3	Dhaka	<a href="#">Edit</a> <a href="#">Delete</a>
4	Mymensingh	<a href="#">Edit</a> <a href="#">Delete</a>
5	Khulna	<a href="#">Edit</a> <a href="#">Delete</a>
6	Rajshahi	<a href="#">Edit</a> <a href="#">Delete</a>
7	Rangpur	<a href="#">Edit</a> <a href="#">Delete</a>
8	Sylhet	<a href="#">Edit</a> <a href="#">Delete</a>

Figure 6.19: Add division.

## Add category

Admin have to click the category menu to add new category. This is the add category page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage Category

Home / category

#### Category list

[Add category](#)

SL	Category	Action
1	Historical	<a href="#">Edit</a> <a href="#">Delete</a>
2	Sea beach	<a href="#">Edit</a> <a href="#">Delete</a>
3	Religious	<a href="#">Edit</a> <a href="#">Delete</a>
4	Hill tracts	<a href="#">Edit</a> <a href="#">Delete</a>
5	Mangrove forest	<a href="#">Edit</a> <a href="#">Delete</a>
6	Riverside	<a href="#">Edit</a> <a href="#">Delete</a>
7	Lake	<a href="#">Edit</a> <a href="#">Delete</a>
8	Canal	<a href="#">Edit</a> <a href="#">Delete</a>

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Figure 6.20: Add category.

## Add hotel

Admin have to click the hotel menu to add new hotel location-wise. This is the add hotel page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage Hotel

Home / hotel

#### Hotel list

[Add hotel](#)

SL	Hotel name	Hotel address	Hotel type	Action
1	Hotel Grand Park	Barishal sadar	Five star	<a href="#">Edit</a> <a href="#">Delete</a>
2	Hotel gazipur	Gazipur	Two star	<a href="#">Edit</a> <a href="#">Delete</a>
3	Hotel chittagong	Chittagong	Two star	<a href="#">Edit</a> <a href="#">Delete</a>
4	Hotel meghdol	Bandarbaan, Rangamati	Three star	<a href="#">Edit</a> <a href="#">Delete</a>
5	Hotel sylhet international	Sylhet	Three star	<a href="#">Edit</a> <a href="#">Delete</a>
6	Hotel satkhira	Satkhira, Khulna	Three star	<a href="#">Edit</a> <a href="#">Delete</a>
7	Hotel panam international	Panam city, Sonargaon, Narayanganj, Dhaka	Two star	<a href="#">Edit</a> <a href="#">Delete</a>
8	Hotel bagherhaat	Bagherhaat, Khulna	Two star	<a href="#">Edit</a> <a href="#">Delete</a>
9	Salka echo resort	Sajek valley	Two star	<a href="#">Edit</a> <a href="#">Delete</a>

Figure 6.21: Add hotel.

## Add location

Admin have to click the location menu to add new location. This is the add location page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage Location

Home / location

#### Location list

Show 10 entries Search:

SL	Location name	Category	Image	Action
1	Floating Guava Market	Canal		
2	Lakhutia Zamindar Bari	Historical		
3	Patenga Sea Beach	Sea beach		
4	Bandarban	Hill tracts		
5	Sundarban	Mangrove forest		

[Add location](#)

Figure 6.22: Add location.

## Manage post request

Admin can check user post from post request menu. This is the Manage post request page-

Travel caste Bangladesh

Home Contact Date: 26-12-2020 Anik kanti sikder

### Manage customer post

Home / post

#### Approved post list

Sl.	Location name	Division	Division	Image	Action
1	Lakhutia Zamindar Bari	Barishal		<a href="#">Details</a> <a href="#">Delete</a>	
2	Floating Guava Market	Barishal		<a href="#">Details</a> <a href="#">Delete</a>	

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Figure 6.23: Manage post request.

## Manage event request

Admin can check user event post from event request menu. This is the Manage event request page-

The screenshot displays the 'Manage customer event' page. The top navigation bar includes 'Home', 'Contact', and the current date 'Date: 26-12-2020'. The user's name 'Anik kanti sikder' is visible in the top right. The main content area is titled 'Manage customer event' and shows a breadcrumb 'Home / events'. Below this is a section for 'Approved events list' containing a table with the following data:

Sl.	Event name	Date	Image	Action
1	Dhaka to Cox's bazar	1/12/2020 to 4/12/2020		<a href="#">Details</a> <a href="#">Delete</a>
2	Dhaka to Sajek valley	15/12/2020 to 19/12/2020		<a href="#">Details</a> <a href="#">Delete</a>
3	Dhaka to kuakata	2/1/2021 to 6/1/2021		<a href="#">Details</a> <a href="#">Delete</a>

The sidebar menu on the left includes options like User, Profile, Logo, Slider, Notice, Contact, About, Division, Category, Hotel, Location, Customer, Post request, Event request (selected), Pending events, and Approved events. The footer contains copyright information for 2020 and the developer's name, Anik kanti sikder.

Figure 6.24: Manage event request.

# **Chapter 7: Conclusion**

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## **Project Summary**

“Travel Caste Bangladesh” is a web application system. In my system, I provide a simple, clean, beautiful community for the travel lovers. I am providing a most important thing now a days which is correct or valid information to my users. Users can travel thorough all the traveling locations including old and new through this system. Users can share their own traveling experiences, create tour event and go to the tour with other members of the system.

## **Limitations**

On developing time, I have faced some limitations in this project.

- Free Google Map API some time ajax http request problem and high load time.
- Only web version now available.
- All asset files production mode not available.

## **Obstacles and Achievements**

I believe that if there are not ay defenses to developing a project, then there doesn't have any challenges. Because we know, challenge gives us the opportunity to prove ourselves. Obstacles, challenges and achievements are like a path to success. By developing this project, I have learned clean code, how to maintain code quality, advances database design and many things.

## **Future scope**

- To make the system easily maintainable so that any users of the system can handle the system satisfactory with easy and convenience.
- To design the system such that in the future it can used as a subsystem.
- To ensure the reliability of this system, hardware or software failure, actions can be taken. So necessary software backup should be taken safely.
- A personal blog feature will be added to system.
- Payment system will be added to the system.

## **References**

In my project effectual those resources help me. I will mention these references. They are given below:

- Laravel, available at < <https://laravel.com/docs/7.x> >
- Stack overflow at < <https://stackoverflow.com/> >
- Sublime text at < <https://www.sublimetext.com/> >
- PhpMyAdmin at < <https://www.phpmyadmin.net/> >
- AdminLTE3 at < <https://adminlte.io/themes/v3/> >

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< 1% match (student papers from 29-Apr-2019) <a href="#">Submitted to The University of Manchester on 2019-04-29</a>
< 1% match (Internet from 06-Jan-2020) <a href="http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3547/P13646%20%2824%25%29.pdf?isAllowed=y&amp;sequence=1">http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3547/P13646%20%2824%25%29.pdf?isAllowed=y&amp;sequence=1</a>
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< 1% match (Internet from 18-Jan-2020) <a href="http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3523/P13624%20%2817%25%29.pdf?isAllowed=y&amp;sequence=1">http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3523/P13624%20%2817%25%29.pdf?isAllowed=y&amp;sequence=1</a>
< 1% match (student papers from 15-Apr-2016) <a href="#">Submitted to Kingston University on 2016-04-15</a>
< 1% match (Internet from 05-Jun-2020) <a href="http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3927/P148856%20%2828-%29.pdf?isAllowed=y&amp;sequence=1">http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3927/P148856%20%2828-%29.pdf?isAllowed=y&amp;sequence=1</a>