



TEACHINGHUB-BD AN EDUCATIONAL WEBSITE BASED ON E-LEARNING

Submitted by

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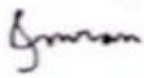
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This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

PROJECT APPROVAL

This project titled on “TeachingHub-BD”, submitted by Badhon Kumar Sarkar (ID: 172-35-2092) to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfilment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS



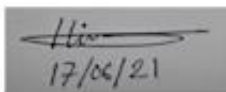
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PROJECT DECLARATION

I, **BADHON KUMAR SARKAR, ID: 172-35-2092**, hereby declare that I have completed the project “TeachingHub-BD” under the supervision of ___

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in order to obtain a Bachelor of Science degree from Daffodil International University. This also declares that neither this project nor any part of it has been used or applied for any kind of degree or award elsewhere.

Badhon kumar Sarkar.


.....

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PROJECT ACKNOWLEDGMENT

My name is BADHON KUMAR SARKAR, and I thank our creator Almighty God from the bottom of my heart for his heavenly blessing of allowing me to successfully complete my final year Project based thesis. I also express my heartfelt gratitude to my supervisor__

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and accept my full responsibility. My supervisor's extensive knowledge of web applications, combined with his enthusiastic approach to my project, has greatly encouraged us to complete it. His forbearance, scholastic counsel, unparalleled leadership, passion, profound reflection on each rough sheet, and mistakes and helpfully correcting them every time has formed my efforts into a complete project.

I'd like to express my appreciation and gratitude to__

Dr. Imran Mahmud,
Associate Professor and Head,
Department of Software Engineering,
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I'd like to express my gratitude to all of my Daffodil International University classmates who participated in this discussion as part of their course work.

Finally, I must express my gratitude for my parents' unwavering love and patience.

SUMMARY OF PROJECT

TeachingHub-BD is a web application system. It is very helpful to using besides study or educational necessary items like a pdf version of board text Books or suggestions or communications in Discuss Module. That's an online learning type website. My project is for the use of online to able that they can study any time any place. My website includes NCTB textbooks of all classes, and the delivery of just-in-time suggestions, problem solutions, and guidance from this site. And now a days online study or education is starting to major impact on education.

Here the admin (he/she) will login first then he can add new class if he wants. Again, he can update, delete, modify the previous data. In this way, he will be able to work in category, suggestion, books module. admin can also see the messages of users and reply to them through email.

On the other hand, a user can download any classer pdf version of books by visiting the site. They can also use the module called calculator. they can download all kind of suggestions; they can contact with admin if they got any query then they can message to the admin about any topic.

This is a special module called Discuss module. Here any registered user can share any topic he wants. Anyone can reply to his topic again. In this case, they must be a registered user. In a word, it is a discuss blog module.

In-this system admin (he/she), you can add category in category module. You can also delete. On the other hand, users can also select category also see category. Then users can select classes and after that, they can choose classes. after choosing the can select books that belong to those classes. and they can download those books (pdf). These are the board section for all secondary/higher secondary sections students. Then comes the suggestion module. Admin and all users can see the suggestion module and only admin will able to control this module. Users can see the solving and able to download all the notes. Which can be downloaded by pdf version.

So, I think this website will be very useful for those who want to be diligent in their studies and collect all the solutions of their text books without any extra tuition. Moreover, by using the discuss module here, they are getting the opportunity to solve their problems at any time.

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CHAPTER-01

INTRODUCTION

1.1 Overview

That is my online education base website. It is developed for the use of education through internet or online. My project is very useful for the students who are seeking their study anywhere anytime. My website includes NCTB text books of all classes, and the delivery of just-in-time suggestions, problem's solutions and guidance from this site. It is widely assumed that new technologies have a significant impact on education. I am developing a website name TeachingHub-BD. Which is a lot like studying online. first, let me tell you a little story, why I am choosing to develop such kind of website. I am a boy who grew up in the village. Now is a very epidemic situation for Covid-19 and I have noticed something that in my village people who are students can't continue their study properly. So that they can't solve any text books exercise easily. So, I am developing a site where all class students can view all kinds of textbooks, textbook solution paper, suggestions of all board exams, and if they want, they can also download the pdf version. There is also a problem submission module, through which a user can easily upload any of his problems there and anyone can view or reply or upload the answer. And there will be a live chatting option. in this system, the user can be a teacher or student or Those who can benefit from here.

1.2 Purpose

- ✚ No one can study properly for the covid situation.
- ✚ All students are trying to study themselves, but not getting any guide line or help.
- ✚ They can't manage any home tutor for the sake of the covid problem.so I decided to help them through this online site.
- ✚ In this site they can upload their problem papers and get the solution through the post or email or live chat option.

As a result, I'm working on a website where all class students can view all types of textbooks, textbook solution papers, and recommendations for all board exams, as well as download the pdf version if they like. There is also a problem submission module, which allows a user to easily

upload any of his problems, which anyone can view, respond to, or upload the solution to. In this system it has also live bot module.

1.2.1 Background

In our country this type of website is really not much available that we can find the books and solutions with combine. That is why I am developing a website where all the board books can be found at once with the solution of their practice exercises, suggestions of psc, jsc, ssc, hsc.

1.2.2 Beneficiaries & Benefits

We will have some benefits after develop this site:

- + Easily found all NCTB books (pdf).
- + The solutions paper. They don't need to buy it. They can download from here.
- + Students can simply ask for their any problems solutions.
- + Student can easily view per semester class routine
- + Easy to Discuss.

1.2.3 Goals

The core determination of developing this site is that Make it cooler to find an online stage for primary to higher secondary students. Relaxed to download books and the solutions documents. They don't essential to buy it. They can collect it from here for free. Students can simply ask for any problem solutions. then everything is easy to discuss.

1.3 Stakeholders

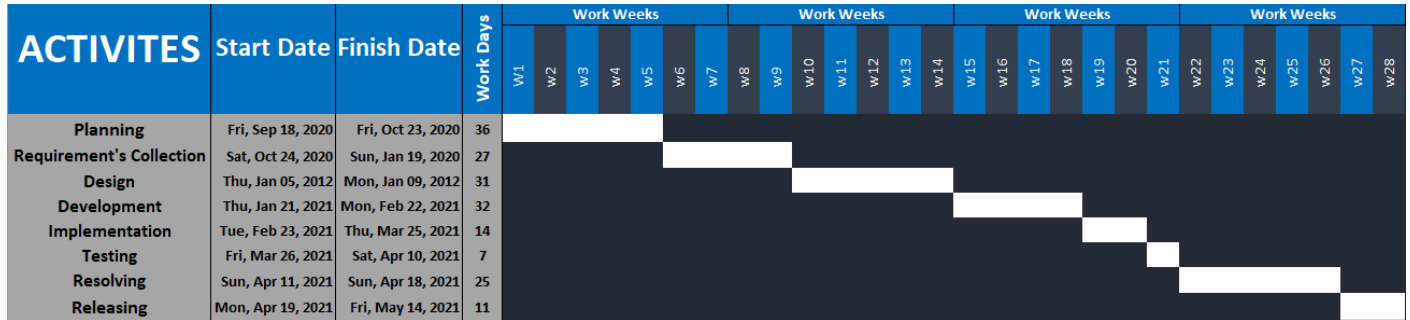
In this project, Admin will be the main user. Admin will monitor everything. Visitors will visit the pages and download their necessary books solutions suggestions etc. Registered users can send feedback, ask queries, also can supply notes, suggestions, etc.

- + **Admin:** He will take the most responsibility. As add users, add textbooks, suggestions, all articles, update all.
- + **Visitor:** Who can see all pages on these sites and download all. also, can use the calculator feature.

1.4 Schedule

1.4.1 Gantt Chart & Cost Estimation

This is a chart for my project view, where we can see the time line for the process of completing whole system. Here I stored all time-to-time activities like plan, design etc. I stored days to days, starting, finishing time weekly activities.



Items	Units /Hrs.	Cost/Unit /Hrs.	Subtotal	Total	% Of Total
1. Project Management				\$9800	66.4%
1.1 Project Manager	420	\$10	\$4200		
1.2 Team Members	560	\$10	\$5600		
2. Hardware				\$1600	3.4%
2.1 Computer			\$1600		
3. Software				\$350	0.6%
3.1 Windows 10 Pro			\$200		
3.2 Visual Studio			\$150		
4. Server				\$5000	16.9%
5. Testing				\$700	4.2%
5.1 Tester	50*2	\$7	\$700		
6. Training and Support				\$1500	8.5%
Total				\$18950	

Figure 1.4.1: Project Gantt Chart & Cost Estimation.

1.4.2 Time Estimation

All Tasks	Dates
Topic Selection	18/09/2020
Topic & Name Finalization	20/09/2020-22/10/2020
Submission of Project Proposal	23/10/2020
Requirement Specification	24/10/2020-19/01/2021
Seminar on Video Presentation	20/01/2021
Project Methodology Seminar	09/02/2021
Mid-Term Defense	25/02/2021
Project Workshop	28/04/2021
Design & System Analysis	21/01/2021-22/02/2021
Coding & Development	23/02/2021 - 25/03/2021
Implement	26/03/2021-10/04/2021
Testing	11/04/2021 – 18/04/2021
Project complete	15/05/2021

Table 1.4.2: Project Time Estimation.

1.5 Intended Audience and Reading Suggestions

This document is finished for total development lineup. Handler also container deliver this. This statement is accommodating for developers as well as development administrator as they can easily know the perfect system's purposes and necessities. By reading this report developers can identify their main concern easily.

1.6 Documentation Convention

The project document is done by two parts. Where in the first part I showed the full description of the project with its interfaces, requirements, features, and the second part is non-functional requirements. So, this is the final draft document so that any future modifications of this document will be involved adaption to the system to changing systems functions and use. I think that this system will change times to ensure continue use and success. So here the documentation of my project with specification have completed by me with proper information with by full ability. So, who will Once read, this is the evident that every section is important to the Document and significant to the project in its own right?

1.7 Product Scope

TeachingHub-BD is a proposed software and it can be an online system for any school or any educational organization. Now a days there is a little we can see on internet like this software. But it is more usable for its features. That is why I am working on a website where all of the board books can be found at once, along with the answers to their practice exercises and psc, jsc, SSC, and hsc recommendations. As if anything is now based online for a few days and these kinds of online telepaths are becoming famous day by day in modern countries. So, it's quite feasible, I think.

Key concepts	Obstacles to overcome	Intrinsic Motivation
<ul style="list-style-type: none"> ● For improve education service. ● Autonomy ● Feedback ● Reward & Recognition 	<ul style="list-style-type: none"> ● Lack of management support ● Personal conflicts ● Unequal recognition ● Schedule conflicts ● Time overruns ● Increment of project scope 	<ul style="list-style-type: none"> ● Involve team early on ● Understand team members ● Matching assignments and skills carefully ● Responsible team leader ● Private motivation

CHAPTER-02

USER-CLASSES & CHARACTERISTICS

2.1 Admin

He will take the most responsibility. As add users, add textbooks, suggestions, all articles, update all. He can update/add/delete categories, he will respond to the discussion of the message of users. he will reply to all kinds of queries on the discussion board. he will reply the messages

2.2 Visitor

Visitors can see all pages on these sites and download all. and also, can use the calculator feature. Visitors can select categories then classes then books and also suggestions. and also, can download all. they can send messages but they will not able to add any discussion topic because they are not registered users.

2.3 Registered User

They can see all pages on these sites and download all. and also, can use the calculator feature. they can select categories then classes then books and also suggestions. and also, can download all. they can send messages but they will able to add any discussion topic because they are registered users. They can ask for any questions paper, suggestions, textbooks, also can answer any one's queries. Also ask quires, feedbacks. And there is a calculator module in that project.

CHAPTER-03

IMPLEMENTATION CONSTRUCTION & DESIGN

3.1 Operating Environment

The TeachingHub-BD system will be web-based. As a result, anyone with a browser will click on the relevant link and gain access to it. As a result, it will ensure the best possible use of the system and will make accessing it easier. So, this site will be deployed on server(web) and it will reduce problems like running many other platforms.

3.2 Software language Used

I have used laravel 6 for this project.

3.3 Development tools & Technology:



- IDE: Visual studio code
- Database: MySQL
- UI: HTML, CSS, Bootstrap, JavaScript
- Framework: Laravel 6
- Language: PHP 7
- Web-Server: XAMPP Server

3.4 Database Support

The database that will be used is MySQL.

3.5 Project Organization

3.5.1 Software Process Model (waterfall model)

In my project this Model is the best solution for me. Also, I finished my project by following the step by steps modules like my first steps is completed then I started second the second one. So, that is the primary method for my project. The waterfall model was the original SDLC procedure used in software development. In the "Waterfall" method, the entire software development procedure is wrecked down into steps. The output of one step is used as the initial point for the next stage. It infers separately step of the conception procedure initiates only if earlier step has been finished.

The waterfall model is a serial modeling procedure in which progress is seen as repeatedly smooth descending through the stages of beginning, opening, examination, plan, creation, challenging and maintenance. Waterfall Model is likewise known as a model of the in lines consecutive life cycle because it signifies the procedure of software creation in a linear consecutive movement.

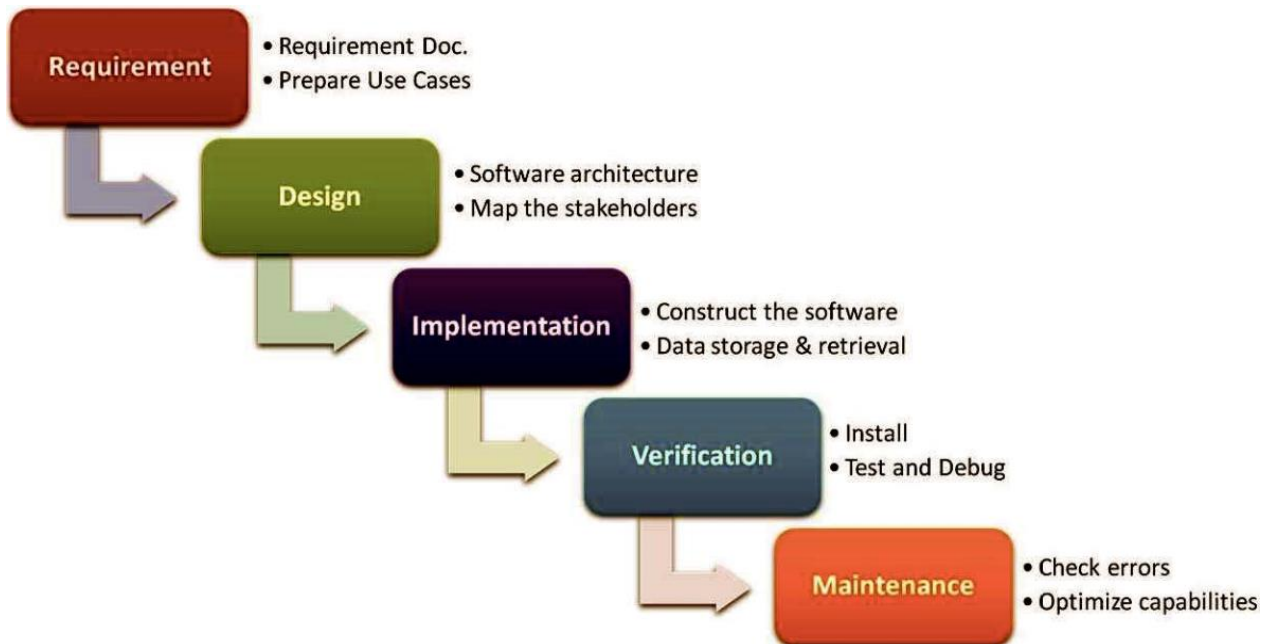


Figure 3.5.1: Waterfall Model.

CHAPTER-04

SOFTWARE REQUIREMENT SPECIFICATION (Functional Requirement)

4.1 Functional Requirement: Admin

4.1.1 Log in

Requirement ID	FR.A.01
Requirement Name	Log in
Description	Admin can log in using Email and password
Stakeholder	Admin

4.1.2 Manage Classes

Requirement ID	FR.A.02
Requirement Name	Manage classes
Description	Admin always can manage classes.
Stakeholder	Admin

4.1.3 Manage Categories

Requirement ID	FR.A.03
Requirement Name	Manage Categories
Description	Admin always can manage categories.
Stakeholder	Admin

4.1.4 Manage Books

Requirement ID	FR.A.04
Requirement Name	Manage Books
Description	Admin always can manage books
Stakeholder	Admin

4.1.5 Manage Profile

Requirement ID	FR.A.05
Requirement Name	Manage Profile
Description	Admin always can manage his profile. And the registered users can also manage their profiles.
Stakeholder	Admin/Registered User

4.1.6 Manage Suggestions

Requirement ID	FR.A.06
Requirement Name	Manage Suggestions
Description	Admin always can manage suggestions.
Stakeholder	Admin

4.1.7 Manage Discussion

Requirement ID	FR.A.07
Requirement Name	Manage Discussion
Description	Admin always can manage discussion.
Stakeholder	Admin

4.1.8 Manage Feedback

Requirement ID	FR.A.08
Requirement Name	Manage Feedback
Description	Admin always can manage feedback.
Stakeholder	Admin

4.2 Functional Requirement: Visitor

4.2.1 Select/View Categories

Requirement ID	FR.V.01
Requirement Name	Select/view Categories
Description	Visitor and Registered user can select categories or view categories.
Stakeholder	Visitor/Registered User

4.2.2 Select/View Classes

Requirement ID	FR.V.02
Requirement Name	Select/View Classes
Description	Visitor and Registered user can select or view classes.
Stakeholder	Visitor/Registered User

4.2.3 Select/View Books

Requirement ID	FR.V.03
Requirement Name	Select/View Books
Description	Visitor and Registered user can select or view books.
Stakeholder	Visitor/Registered User

4.2.4 View Suggestions

Requirement ID	FR.V.04
Requirement Name	View Suggestions.
Description	Visitor and Registered user can view suggestions.
Stakeholder	Visitor/Registered User

4.2.5 Download pdf

Requirement ID	FR.V.05
Requirement Name	PDF Download
Description	Visitor and Registered user can download pdf.
Stakeholder	Visitor/Registered User

4.3 Functional Requirement: Registered User

4.3.1 Login

Requirement ID	FR.RU.01
Requirement Name	login
Description	Registered users must have to login.
Stakeholder	Registered User

4.3.2 Register

Requirement ID	FR.RU.02
Requirement Name	Register
Description	If users are not registered, they need to register first if they want all facilities
Stakeholder	Registered User

4.3.3 Use Calculator

Requirement ID	FR.RU.03
Requirement Name	Use Calculator
Description	Registered users can use online calculator.
Stakeholder	Registered User

4.3.4 Manage Discussions

Requirement ID	FR.RU.04
Requirement Name	Manage Discussion
Description	Registered users can add/reply/delete discussion topic.
Stakeholder	Registered User

CHAPTER-05

SOFTWARE REQUIREMENT SPECIFICATION (Non-Functional Requirement)

Non-Functional Requirement

5.1 Performance

Reliability, protection, security, and availability are all part of the dependability requirement, but reliability is the most important. These requirements are also required.

5.2 Capacity

All kinds of user data must be handled by the system.

CR-01	My system will able to deal with large amount of data.
Description	It is able to handle the data.
Stakeholder	Admin.

5.3 Dependability

There are Availability, Reliability, safety, security in my project. So, my system must meet these dimensions.

5.4 Reliability

RR-01	System has to available 24/7
Description	System has to be existing all the time and efficient and malware free
Stakeholder	N/A

5.5 Fault-Tolerance

FTR-01	System operates all the user access without system error
Description	Both users can access our system at a time, system must be handling request without any errors
Stakeholder	N/A

5.6 Safety-Critical

There is no safety-critical requirement in my project.






5.7 Maintainability and Supportability

It is very important to provide after support or service to the end users.

5.8.1 Maintenance

MR-01	System helps to create modules and delete modules
Description	It is very important.
Stakeholder	Admin

5.8.2 Supportability

-  Maintainability.
-  Configurability.
-  Compatibility.
-  Serviceability.
-  Adaptability

There are no adaptability requirements in this project.

5.9 Security

The standing of safety necessities for system answers cannot be excessive. That has to be liable on purposeful requirements. Software-Security is anxious with the submission system's security. There always some standards in the terms of security.

- ✚ Log in
- ✚ Get access according to logged in user
- ✚ Log out

5.9.1 Access

There are no access requirements in this project.

5.9.2 Integrity

There are no integrity requirements in this project.

5.9.3 Privacy

In every system, it is critical to have privacy requirements. Every user can enter the system by checking their information and using their accessibility features to ensure privacy.

5.10 Usableness and Human-Interaction

I develop this site with very user kind so, this is very human and user friendly and so easy to use for any kind of users.

5.11 Ease of Use

This Resolution is informal to usage and clear.

EUR-01	System must be usable & easy for the user.
Description	This solution is easy for user to manage system.
Stakeholder	Admin, Visitor, Registered User.

5.12 Understandability

No exact justifiably necessities in this development.

5.13 Accessibility

No specific accessibility requirements in this project.

5.14 User Documentation

No user documentation requirements in this project.

5.15 Training

Don't need any training requirements in this project.

CHAPTER-06

SYSTEM ANALYSIS & DESIGN

6.1 Use Case Diagram

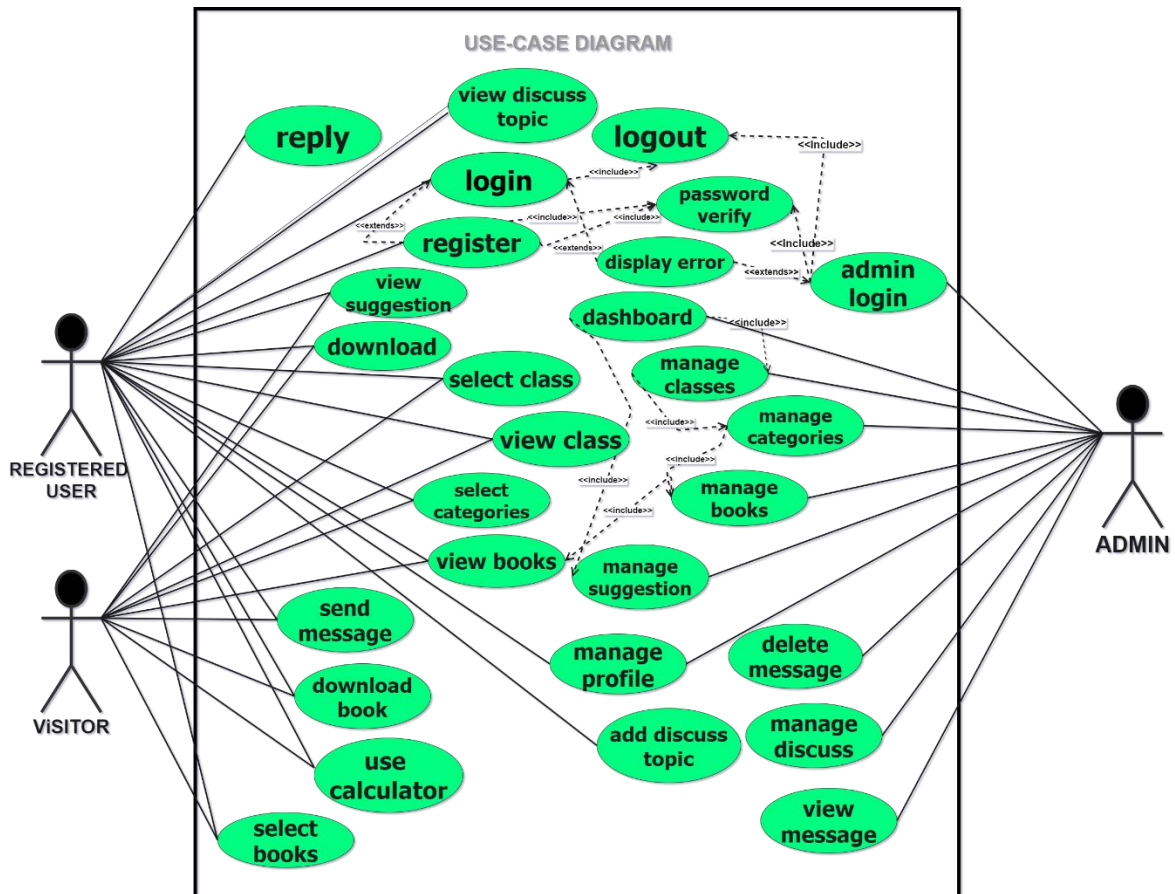


Figure 6.1: Use-case for TeachingHub-BD.

6.2 Use Case Description

6.2.1 Admin Login

Use case ID	UC-A001
Use Case Name	Admin Login
Actor	Admin
Goal	This will only be the selected person login for this system.
Pre-Condition	Admin need to login first
Trigger	There will be text box and login button in a card
Description	Admin can login to Admin Panel
Flow of Event	Login Page After login Admin dashboard will be appear
Post-Condition	The Admin Dashboard Should be appeared
Functional Requirement	Admin login
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.1: Admin Login

6.2.2 Admin Manage Classes

Use case ID	UC-A002
Use Case Name	Manage Classes
Actor	Admin
Goal	Only admin can manage the classes.
Pre-Condition	Admin needs to logged into the system first, then go to the class manage section.
Trigger	There will be classes section in menu navigation.
Description	Admin can go to the classes section. Then he can manage all kind of criteria for the classes section, like edit, update, delete, add class.
Flow of Event	<ul style="list-style-type: none"> - Go to the Admin section - Click the Classes menu - Then classes will appear - Then add the class by clicking the Add Data button - Also, can search class by searching on search bar. - By clicking on the view button admin can view class - By clicking on the edit button admin can edit class. - By clicking on the delete button admin simply delete the class.
Post-Condition	Admin should manage the classes by this module.
Functional Requirement	Admin Manage Classes
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.2: Admin Manage Classes.

6.2.3 Admin Manage Categories

Use case ID	UC-A003
Use Case Name	Manage Categories
Actor	Admin
Goal	Only Admin own can manage categories.
Pre-Condition	Admin needs to logged into the system first, then go to the Categories manage section.
Trigger	There will be Categories section in menu navigation.
Description	Admin can go to the categories section. Then he can manage all kind of criteria for the categories section, like edit, update, delete, add categories.
Flow of Event	<ul style="list-style-type: none"> - Go to the Admin section - Click the Categories menu - Then Categories will appear - Then add the Categories by clicking the Add Data button - Also, can search Categories by searching on search bar. - Tab on the (view) button then admin can view Categories module. - Tab on the edit button admin can edit Categories. - Tab on the delete button admin simply delete the Categories.
Post-Condition	Admin should manage the categories by this module.
Functional Requirement	Admin Manage Categories
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.3: Admin Manage categories

6.2.4 Admin Manage Books

Use case ID	UC-A004
Use Case Name	Manage Books
Actor	Admin
Goal	Only Admin can manage Books
Pre-Condition	Admin needs to logged into the system first, then go to the Books manage section.
Trigger	There will be Books section in menu navigation.
Description	Admin can go to the Books section. Then he can manage all kind of criteria for the Books section, like edit, update, delete, add Books.
Flow of Event	<ul style="list-style-type: none"> - Go to the Admin section - Click the Books menu - Then Books will appear - Then add the Books by clicking the Add Data button - Also, can search Books by searching on search bar. - Tab on the view button admin can view Books - Tab on the edit button admin can edit Books. - Tab on the delete button admin simply delete the Books.
Post-Condition	Admin should manage the Books by this module.
Functional Requirement	Admin Manage Books
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.4: Admin manage Books

6.2.5 Admin/Registered user Manage profile

Use case ID	UC-A005/RU005
Use Case Name	Manage Profile
Actor	Admin, Registered User
Goal	This will only for the Admin or Registered user feature in this system.
Pre-Condition	Admin/registered user also need to log in first, then go to the Profile section.
Trigger.	There should be a user update section.
Description	they can tab the profile button and the edit & logout section will showed up there. By tab on the option, they can manage those section.
Flow of Event	<ul style="list-style-type: none"> - Log into the system - Tab on the right corner user name section - Then showed up the logout and edit profile button - After Tab on the edit button, it will be work as edit section fir profile
Post-Condition	Admin & Registered user should successfully use this section.
Functional Requirement	Manage profile
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.5: Manage Profile.

6.2.6 Admin Manage Suggestions

Use case ID	UC-A006
Use Case Name	Manage Suggestions
Actor	Admin
Goal	Only Admin can manage Suggestions
Pre-Condition	Admin needs to logged into the system first, then go to the Suggestions manage section.
Trigger	There will be Suggestions section in menu navigation.
Description	Admin can go to the Suggestions section. Then he can manage all kind of criteria for the Suggestions section, like edit, update, delete, add Suggestions.
Flow of Event	<ul style="list-style-type: none"> ▪ Go to the Admin section. ▪ Click the Suggestions menu. ▪ Then Suggestions will appear. ▪ Then add the Suggestions by clicking the Add Data button. ▪ Also, can search Suggestions by searching on search bar. ▪ view button admin can view Suggestions. ▪ edit button admin can edit Suggestions. ▪ delete button admin simply delete the Suggestions.
Post-Condition	Admin should manage the Suggestions by this module.
Functional Requirement	Admin Manage Suggestions
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.6: Admin Manage Suggestions

6.2.7 Admin Manage Discuss

Use case ID	UC-A007
Use Case Name	Manage Discuss
Actor	Admin
Goal	Only he/she can manage Discuss
Pre-Condition	He/she needs to logged into the system first, then go to the Discuss manage section.
Trigger	There will be Discuss section in menu navigation.
Description	They can go to the Discuss section. Then he can manage all kind of criteria for the Discuss section, like edit, update, delete, add Discuss.
Flow of Event	<ul style="list-style-type: none"> - Go to the Admin section - Click the Discuss menu - Then Discuss will appear - Then add the Discuss by clicking the Add Data button - Also, can search Discuss by searching on search bar. - view button admin can view Discuss - edit button admin can edit Discuss. - delete button admin simply delete the Discuss.
Post-Condition	Admin should manage the Discuss by this module.
Functional Requirement	Admin Manage Discuss
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.7: Admin Manage Discuss

6.2.8 Admin Manage Messages

Use case ID	UC-A008
Use Case Name	Manage Messages
Actor	Admin
Goal	Only he/she can manage Messages
Pre-Condition	He/she needs to logged into the system first, then go to the Messages manage section.
Trigger	There will be Messages section in menu navigation.
Description	He/she can go to the Messages section. Then he can manage all kind of criteria for the Messages section, like view, delete, Messages.
Flow of Event	<ul style="list-style-type: none"> - Go to the Admin section - Click the Messages menu - Then Messages will appear - Also, can search Messages by searching on search bar. - view button admin can view Messages - the delete button admin simply delete the Messages.
Post-Condition	Admin should manage the Messages by this module.
Functional Requirement	Admin Manage Messages
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.8: Admin Manage Messages

6.2.9 Select/View Categories

Use case ID	UC-U009
Use Case Name	Select/View Categories
Actor	Visitor/Registered User
Goal	This will be used by all kind of user.
Pre-Condition	User needs to browse into the system
Trigger	This will be a navigation bar where they can see and select the categories.
Description	Visitor and Registered user can select categories or view categories.
Flow of Event	<ul style="list-style-type: none"> - First browse into the system - Then select the options on the navigation bar for categories - Then the categories wise output will appear.
Post-Condition	Users must be able to use that feature.
Functional Requirement	Select/View Categories
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.9: Select/View Categories

6.2.10 Select/View Class

Use case ID	UC-U010
Use Case Name	Select/View Class
Actor	Visitor/Registered User
Goal	This will be used by all kind of user.
Pre-Condition	User needs to browse into the system
Trigger	This will be a navigation bar where they can see and select the Class.
Description	Visitor and Registered user can select categories or view Class.
Flow of Event	<ul style="list-style-type: none"> - First browse into the system - Then select the options on the navigation bar for Class - Then the Class wise output will appear.
Post-Condition	User can see the classes here.
Functional Requirement	Select/View Class
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.10: Select/View Class

6.2.11 View/Select Books

Use case ID	UC-U011
Use Case Name	View/Select Books
Actor	Visitor/Registered User
Goal	This will be used by all kind of user.
Pre-Condition	User needs to browse into the system
Trigger	This will be a navigation bar where they can see and select the Book.
Description	user can select Book or view Class.
Flow of Event	<ul style="list-style-type: none"> - First browse into the system - Then select the options on the navigation bar for Book - Then the Book wise output will appear. - Then user can view or download the books.
Post-Condition	Users can view or select the books in that module.
Functional Requirement	Select/View Book
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.11: View/Select Books

6.2.12 Select/View Suggestion

Use case ID	UC-U012
Use Case Name	Select/View Suggestion
Actor	Visitor/Registered User
Goal	This will be used by all kind of user.
Pre-Condition	User needs to browse into the system
Trigger	This will be a navigation bar where they can see and select the Suggestion.
Description	Visitor and Registered user can select Suggestion or view Class.
Flow of Event	<ul style="list-style-type: none"> - First browse into the system - Then select the options on the navigation bar for Suggestion - Then the Suggestion wise output will appear. - Then user can view or download the Suggestion.
Post-Condition	Users can see or select the suggestions.
Functional Requirement	Select/View Suggestion
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.12: Select/View Suggestion

6.2.13 Download PDF

Use case ID	UC-U013
Use Case Name	Download pdf
Actor	Visitor/Registered User
Goal	User will be able to download by just click on the download button.
Pre-Condition	Users must be successfully using that section.
Trigger	There will be a download option.
Description	user can download pdf.
Flow of Event	<ul style="list-style-type: none"> - After selecting the option click the download button - Then it will start download
Post-Condition	Users successfully used this option.
Functional Requirement	Download pdf
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.13: Download pdf

6.2.14 Register

Use case ID	UC-U014
Use Case Name	Register
Actor	User
Goal	This will only be the selected person login for this system.
Pre-Condition	For using the discuss section user must have registered
Trigger	In login section there will be a register button.
Description	If the visitor wants to be the member, then they have to registered first.
Flow of Event	<ul style="list-style-type: none"> - Click the login button - If not, a registered user then clicks on register button
Post-Condition	User should have successfully registered
Functional Requirement	Register
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.14: User Register

6.2.15 Use Calculator

Use case ID	UC-U015
Use Case Name	Use Calculator
Actor	User
Goal	Registered users can use online calculator.
Pre-Condition	They can easily use this feature.
Trigger	There will be a calculator named menu on the nav bar.
Description	Registered users can use online calculator.
Flow of Event	<ul style="list-style-type: none"> - First go to the system - Then click on the calculator button - After clicking on that user can use that.
Post-Condition	User will successfully use that feature
Functional Requirement	Use Calculator
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.15: Use Calculator

6.2.16 User Discuss

Use case ID	UC-RU016
Use Case Name	Discuss
Actor	Registered User
Goal	This module will only for the registered users
Pre-Condition	Users must have used this section easily.
Trigger	There will be a discuss menu on the top of the nav bar
Description	Registered users can add/reply/delete discussion topic.
Flow of Event	<ul style="list-style-type: none"> - go to the system - click on the discuss menu - the discuss blog page will be appeared
Post-Condition	Users should successfully use that module
Functional Requirement	User discuss
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.16: User Discuss

6.2.17 Admin Manage Feedback

Use case ID	UC-A017
Use Case Name	Manage Feedback
Actor	Admin
Goal	Only Admin can manage Feedback
Pre-Condition	Admin needs to logged into the system first, then go to the Feedback manage section.
Trigger	There will be Feedback section in menu navigation.
Description	Admin can go to the Feedback section. Then he can manage all kind of criteria for the Feedback section, like view, delete, Feedback.
Flow of Event	<p>Go to the Admin section</p> <p>Click the Feedback menu</p> <p>Then Feedback will appear</p> <p>Also, can search Feedback by searching on search bar.</p> <p>admin can view Feedback</p> <p>By pressing on the delete button admin simply delete the Feedback.</p>
Post-Condition	Admin should manage the Feedback by this module.
Functional Requirement	Admin Manage Feedback
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.17: Admin Manage Feedback

6.3 Activity Diagram

6.3.1 Admin-Login (Activity Diagram)

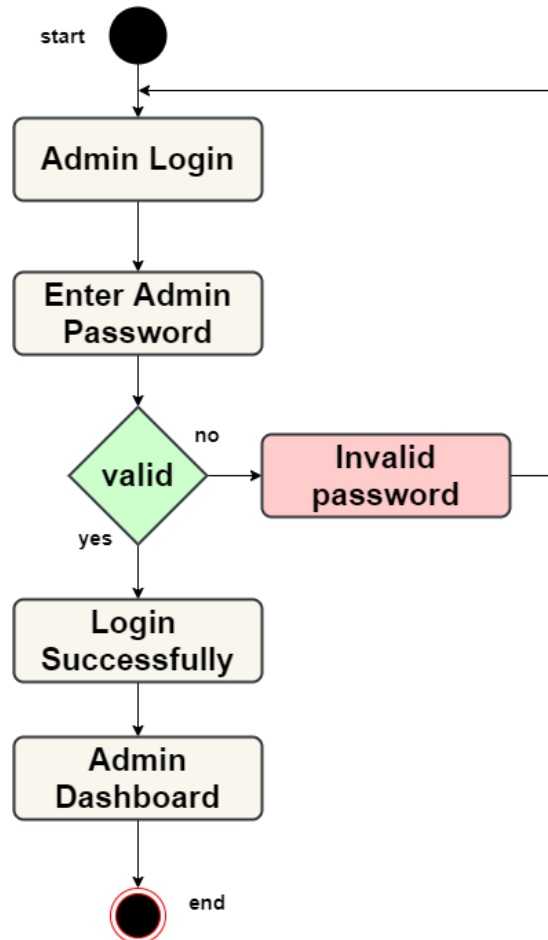


Figure 6.3.1: Admin-Login (Activity Diagram)

6.3.2 Admin-Manage Classes (Activity Diagram)

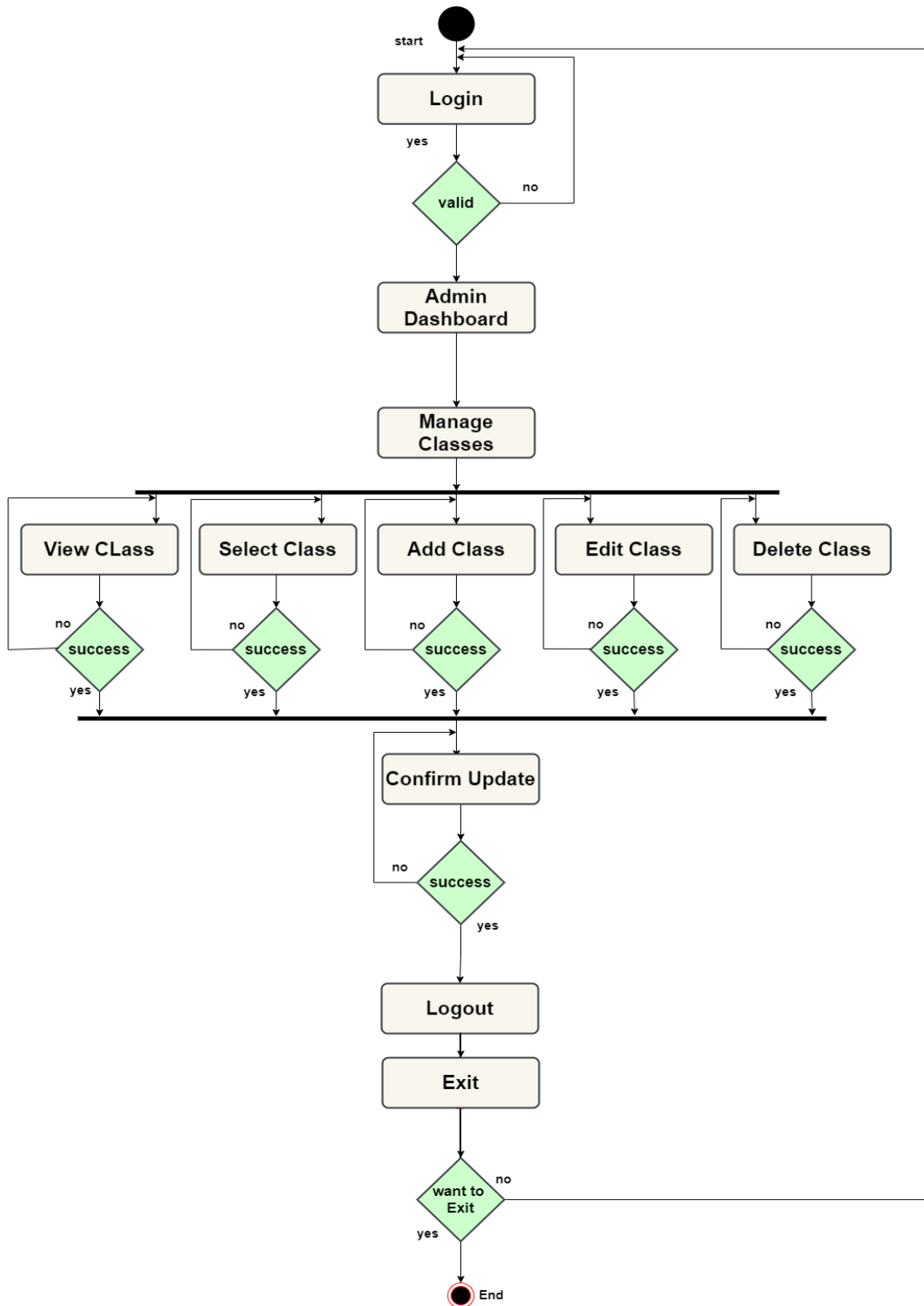


Figure 6.3.2: Admin-Manage Classes (Activity Diagram)

6.3.3 Admin-Manage Categories (Activity Diagram)

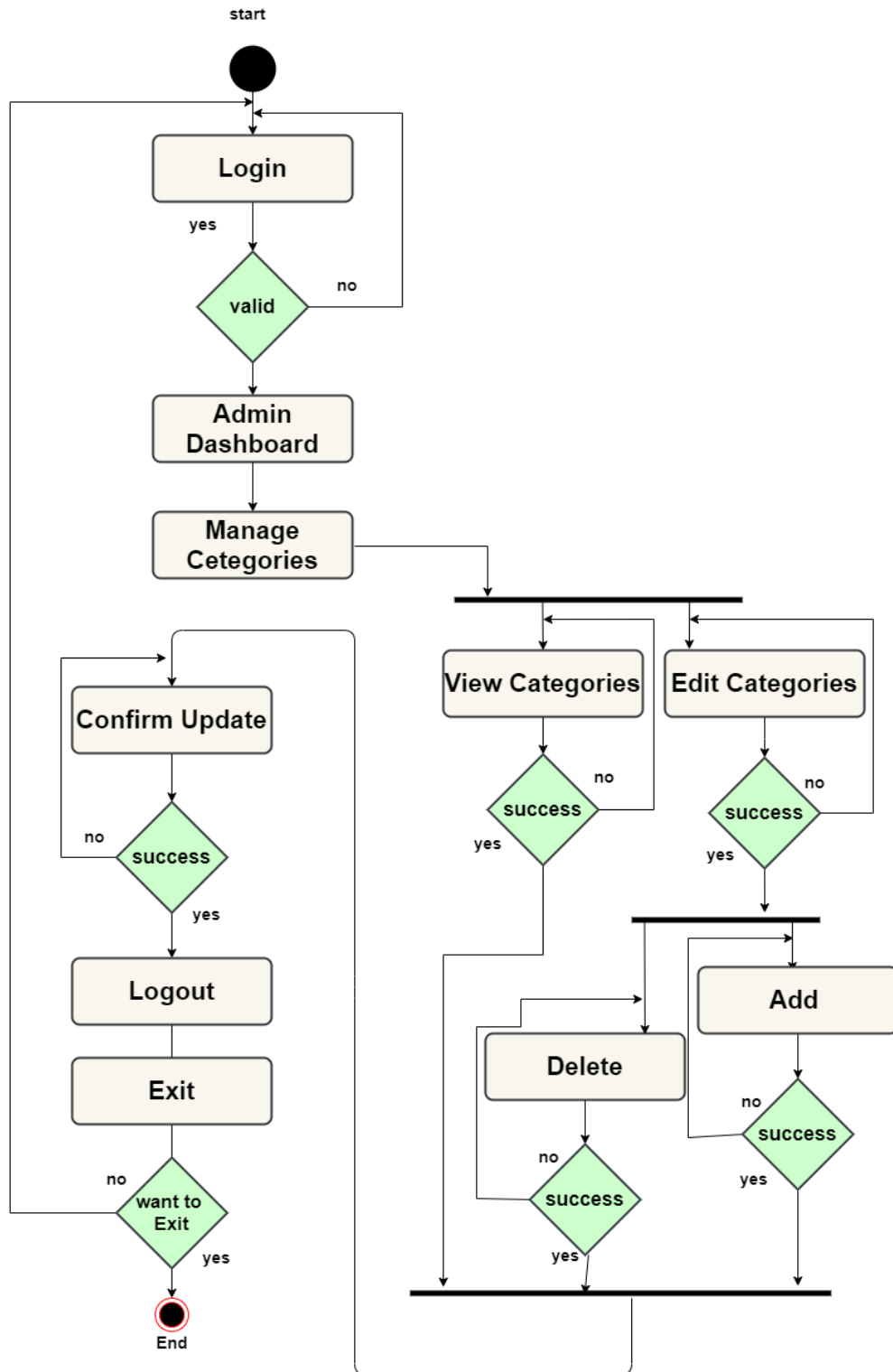


Figure 6.3.3: Admin-Manage Categories (Activity Diagram)

6.3.4 Admin-Manage Books (Activity Diagram)

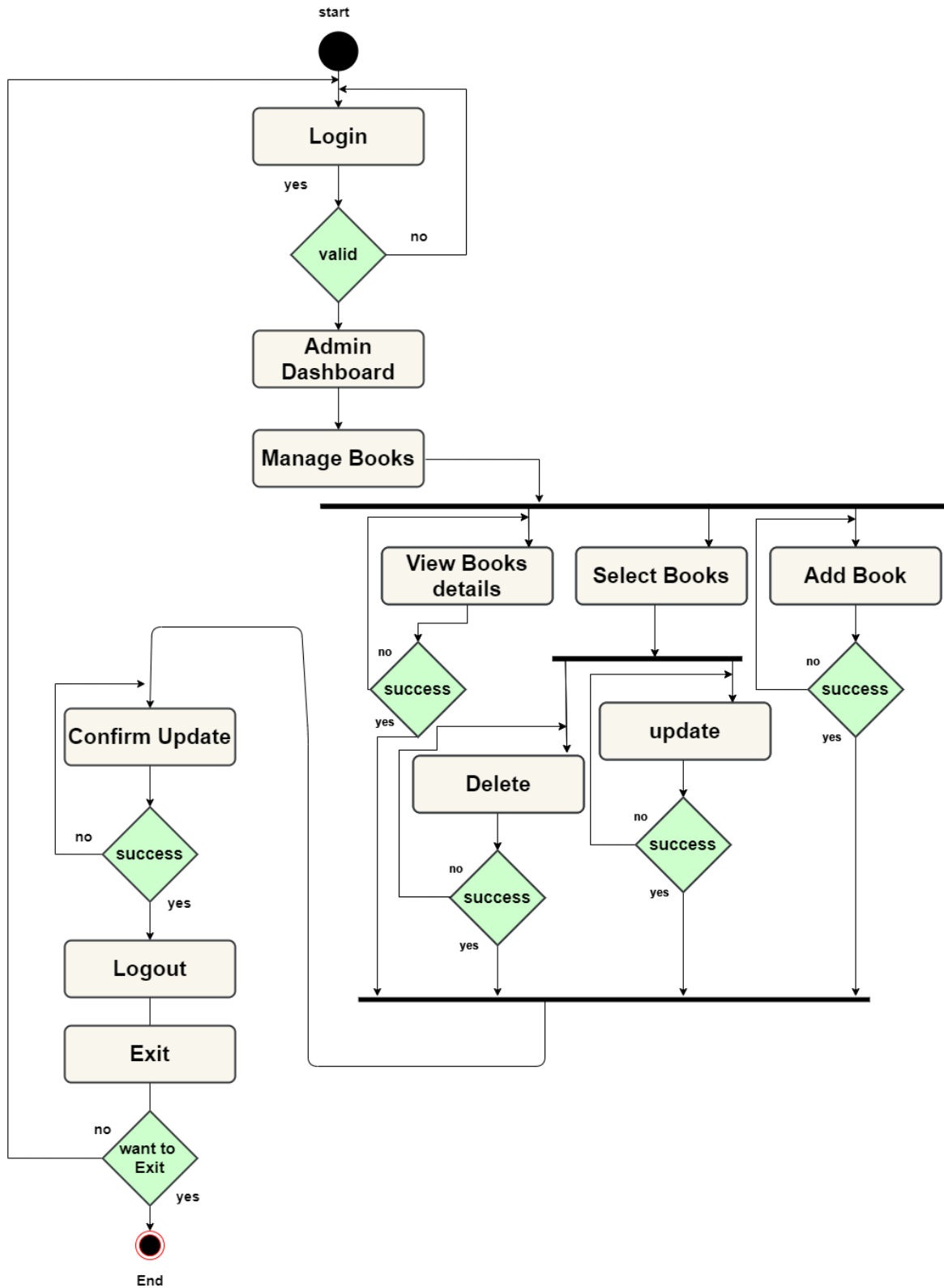


Figure 6.3.4: Admin-Manage Books (Activity Diagram)

6.3.5 Admin-Manage Suggestion (Activity Diagram)

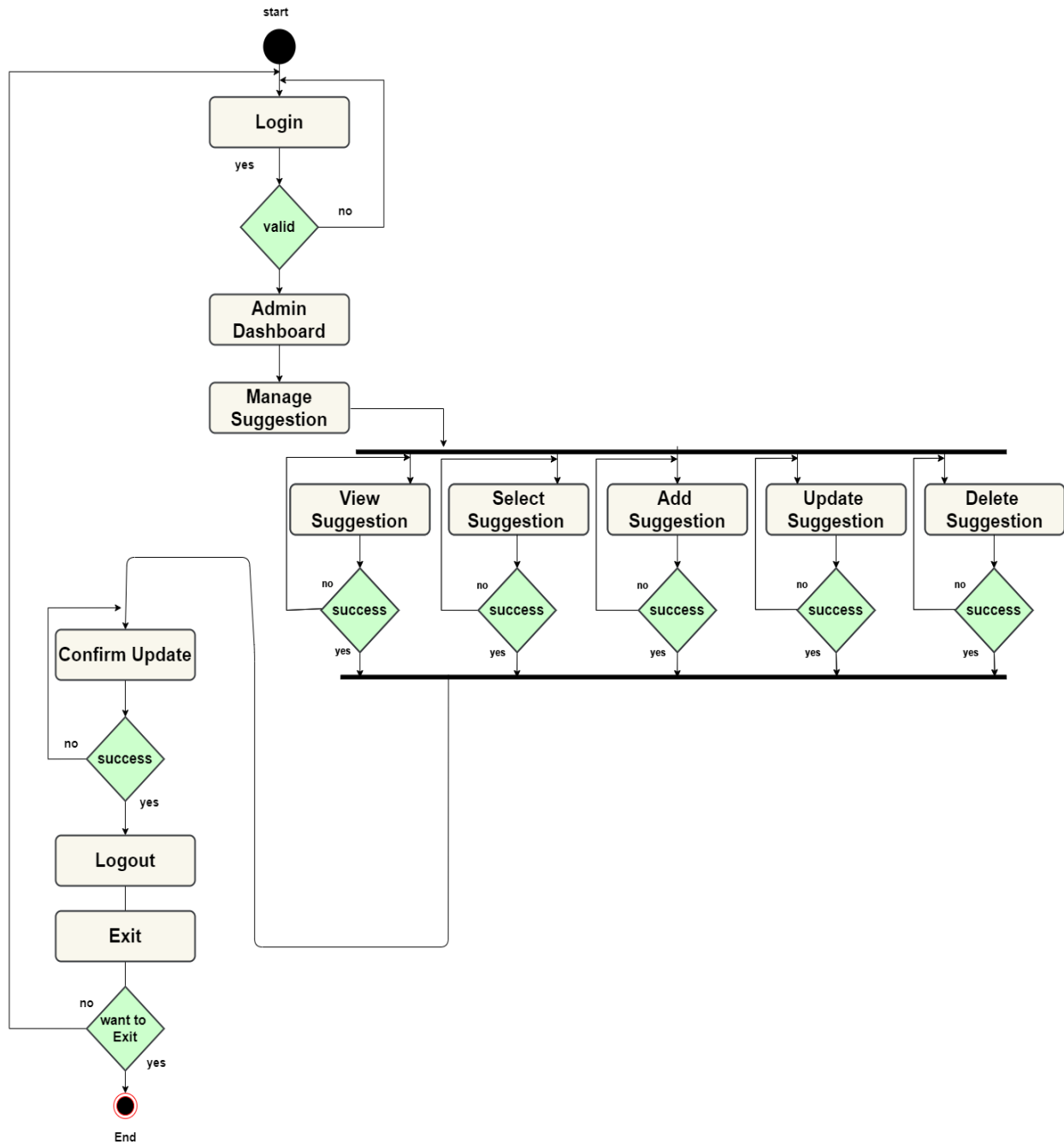


Figure 6.3.5: Admin-Manage Suggestion (Activity Diagram)

6.3.6 Admin-Manage Discuss (Activity Diagram)

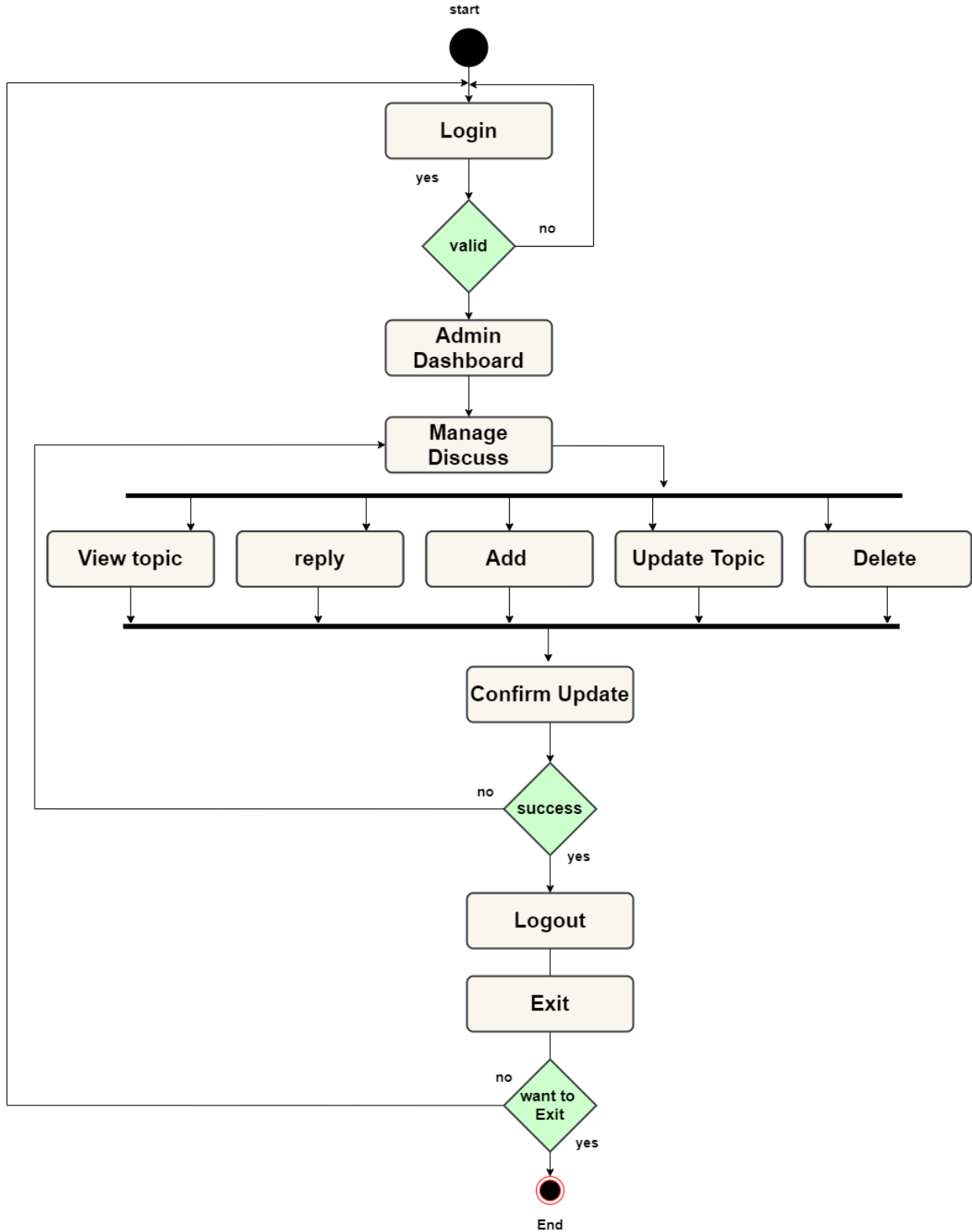


Figure 6.3.6: Admin-Manage Discuss (Activity Diagram)

6.3.7 Admin-Manage Profile (Activity Diagram)

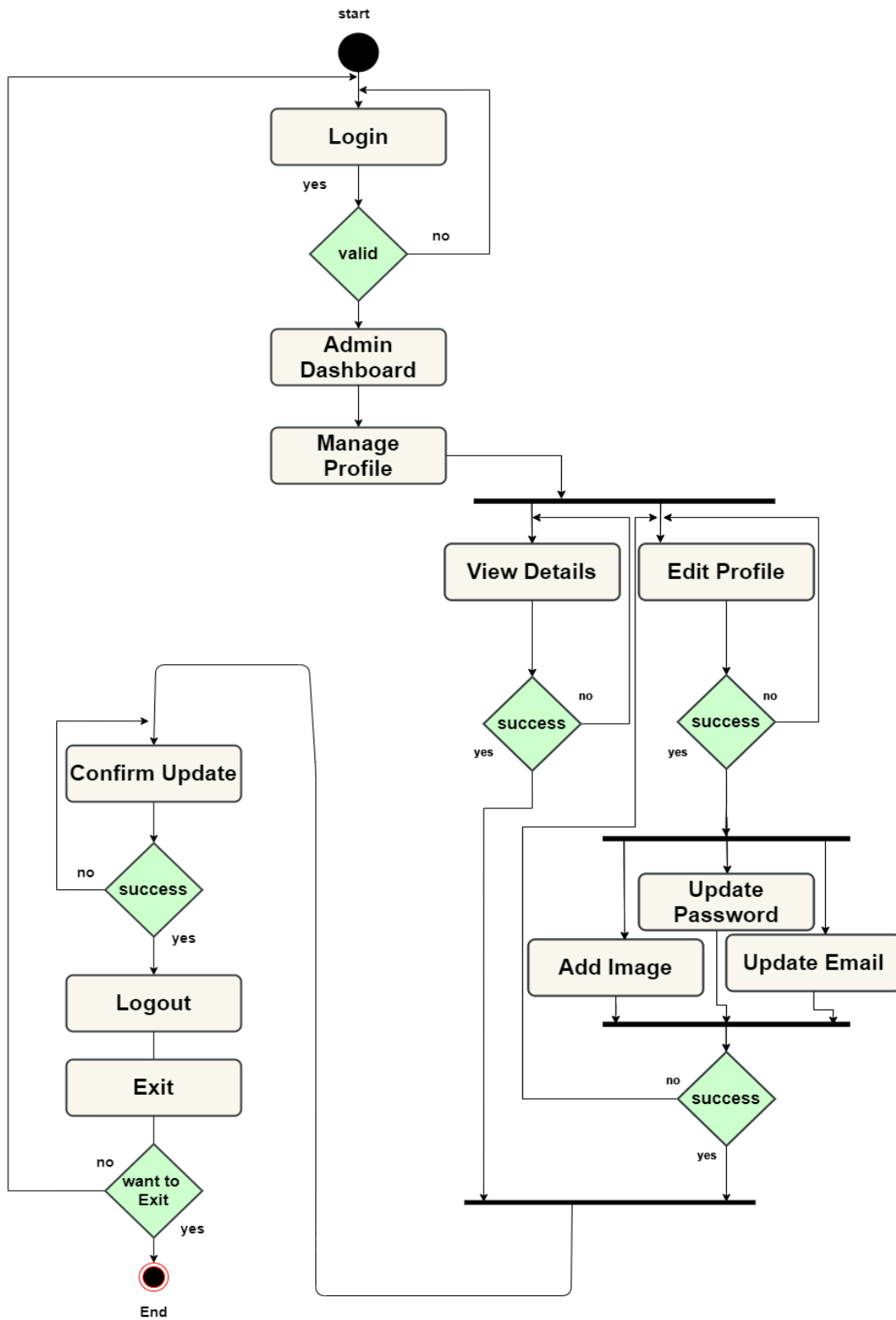


Figure 6.3.7: Admin-Manage Profile (Activity Diagram)

6.3.8 Admin-Manage Message (Activity Diagram)

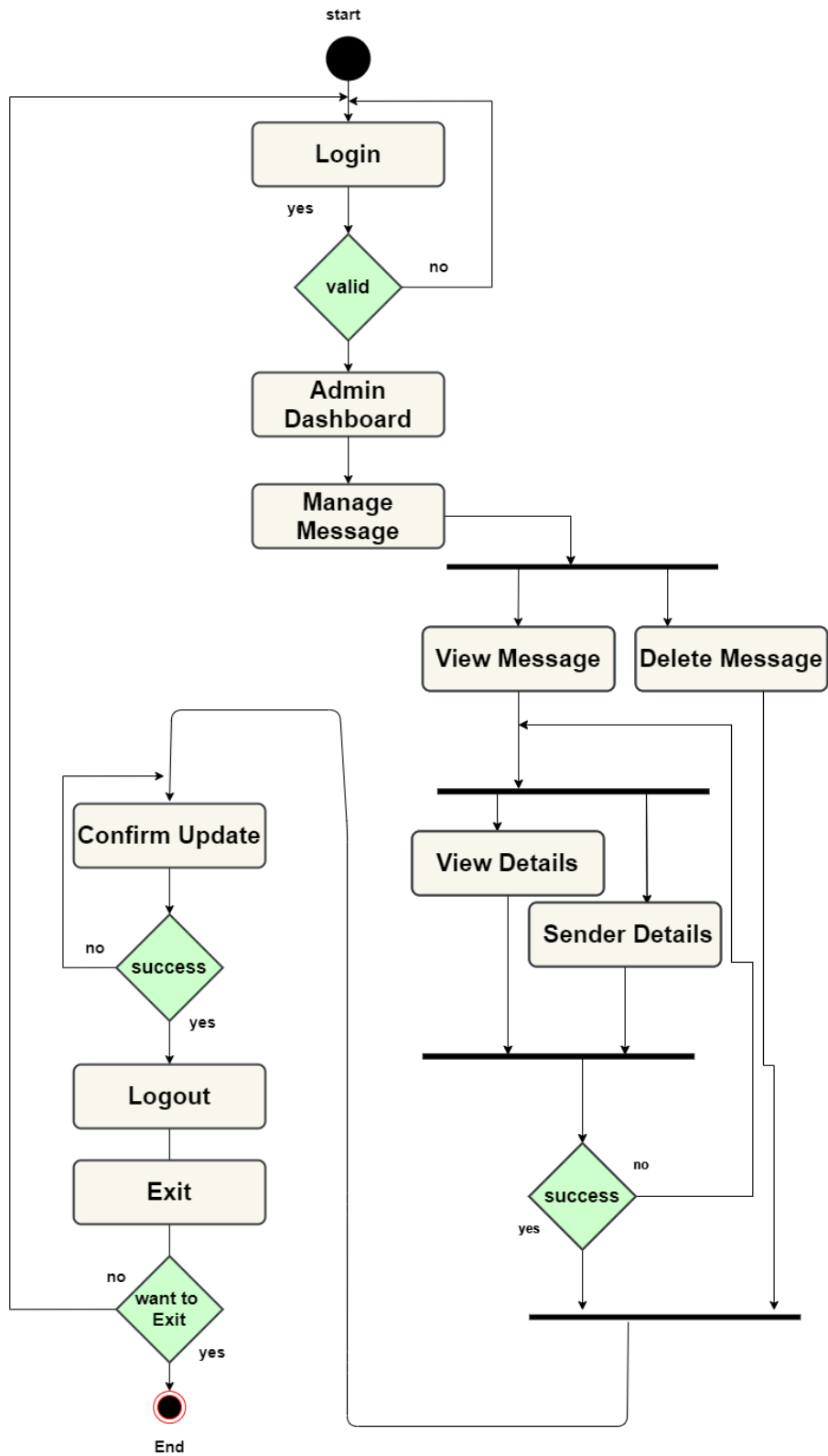


Figure 6.3.8: Admin-Manage Message (Activity Diagram)

6.3.9 Registered-User Registration (Activity Diagram)

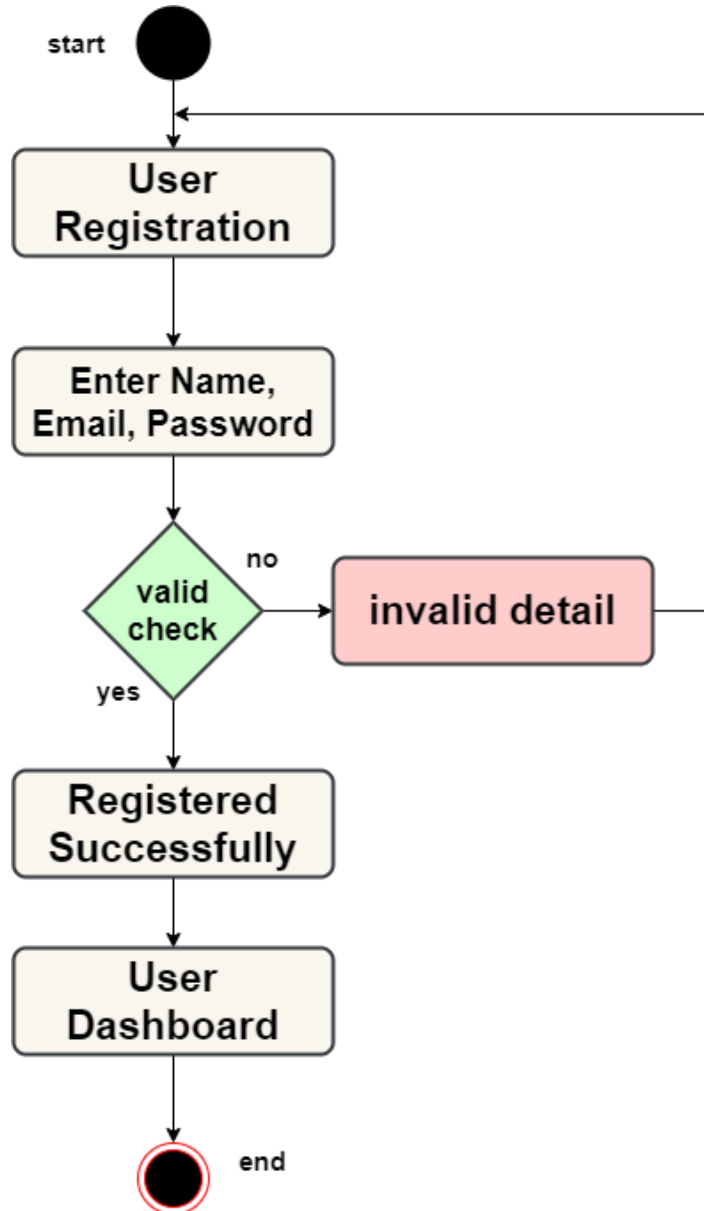


Figure 6.3.9: Registered-user Registration (Activity Diagram)

6.3.10 Registered-User Login (Activity Diagram)

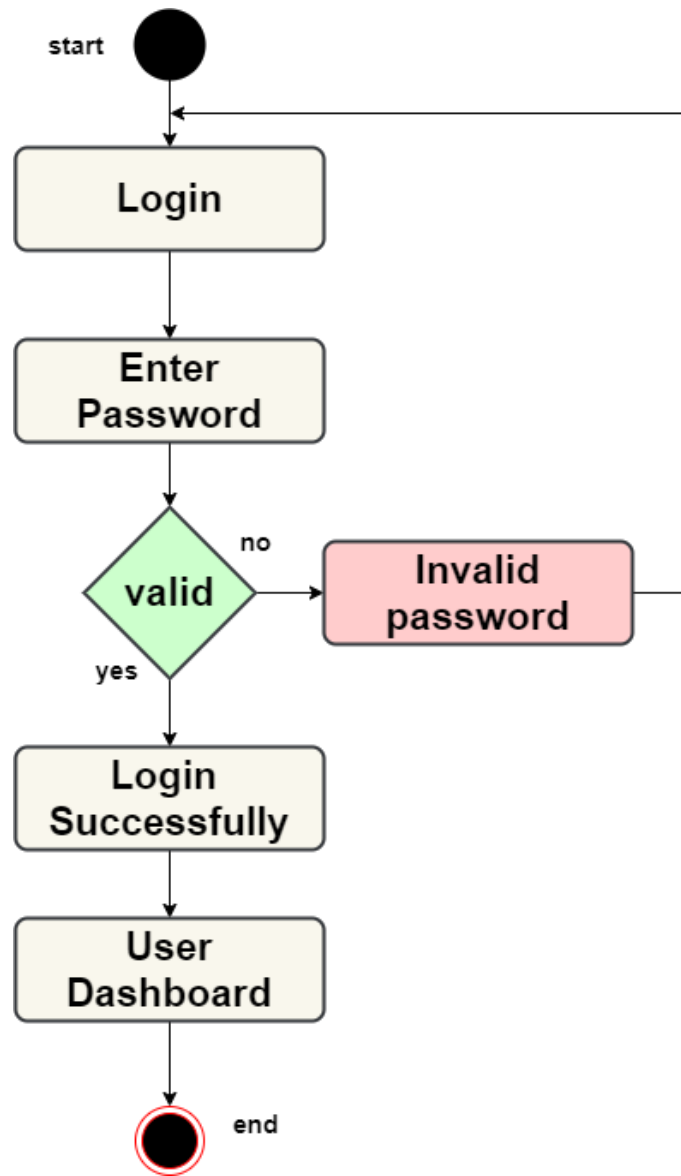


Figure 6.3.10: Registered-user Login (Activity Diagram)

6.3.11 Registered-user Discuss (Activity Diagram)

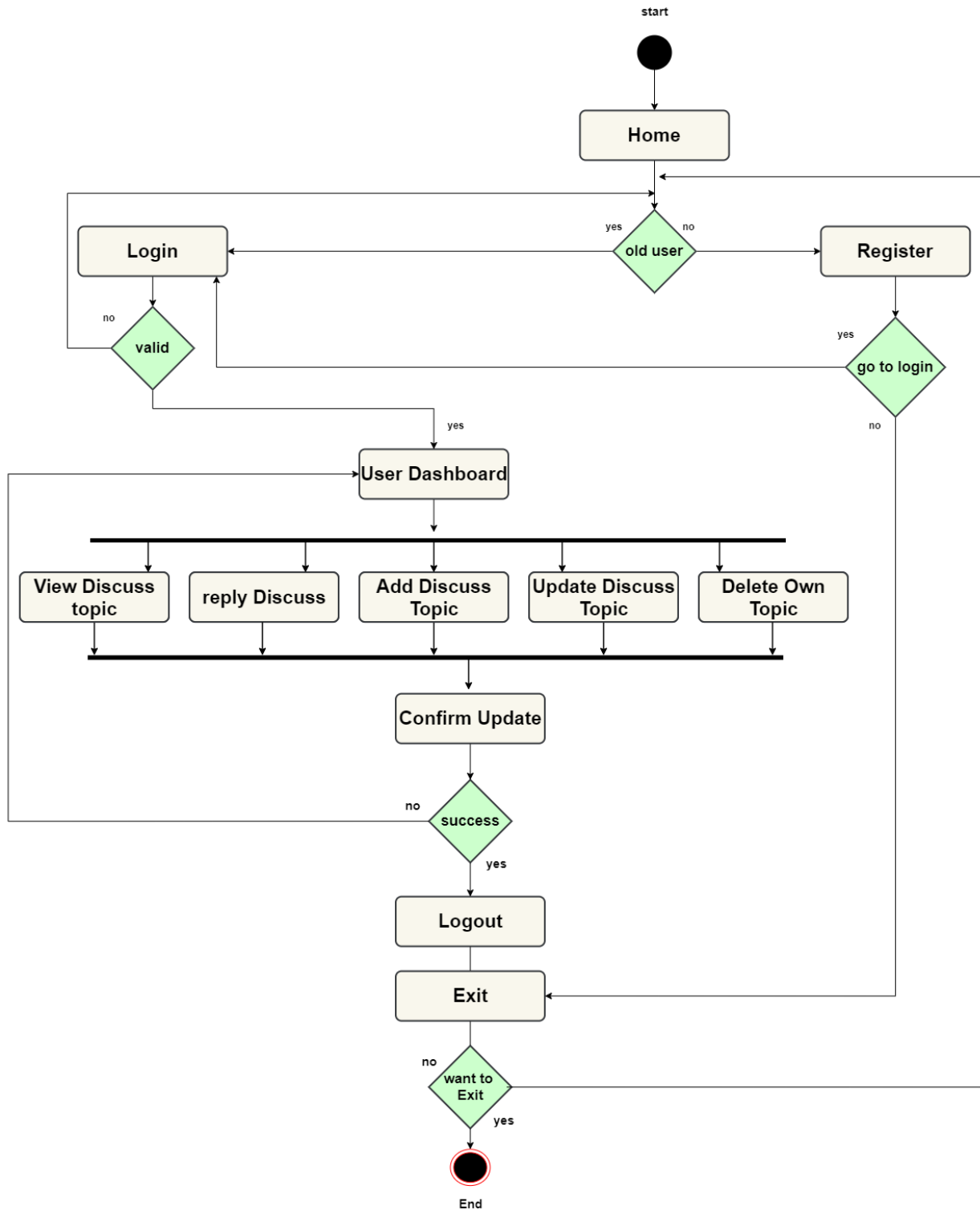


Figure 6.3.11: Registered-user Discuss (Activity Diagram)

6.3.12 Registered-user Suggestion (Activity Diagram)

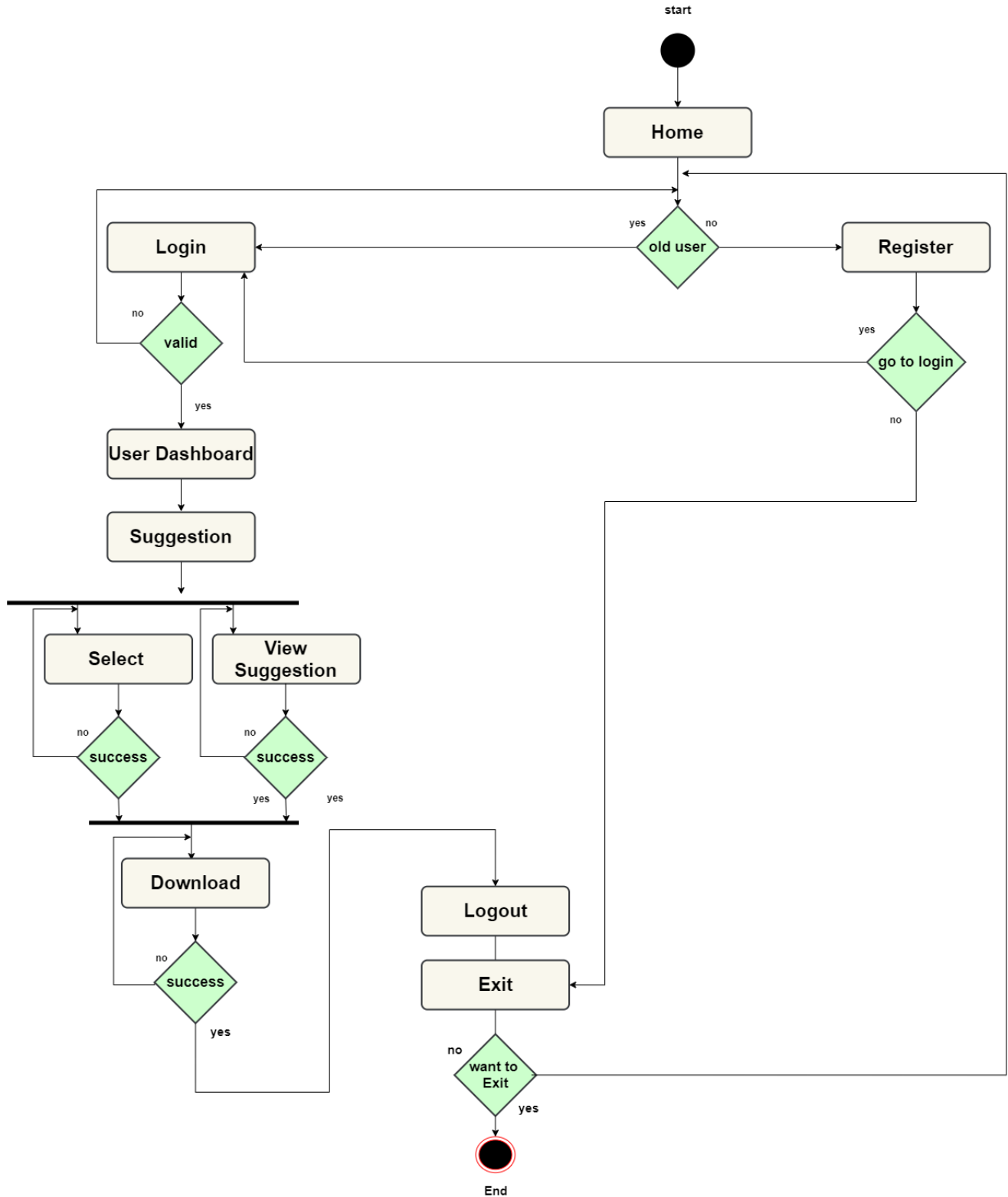


Figure 6.3.12: Registered-user Suggestion (Activity Diagram)

6.3.13 Visitor & Registered-user Contact (Activity Diagram)

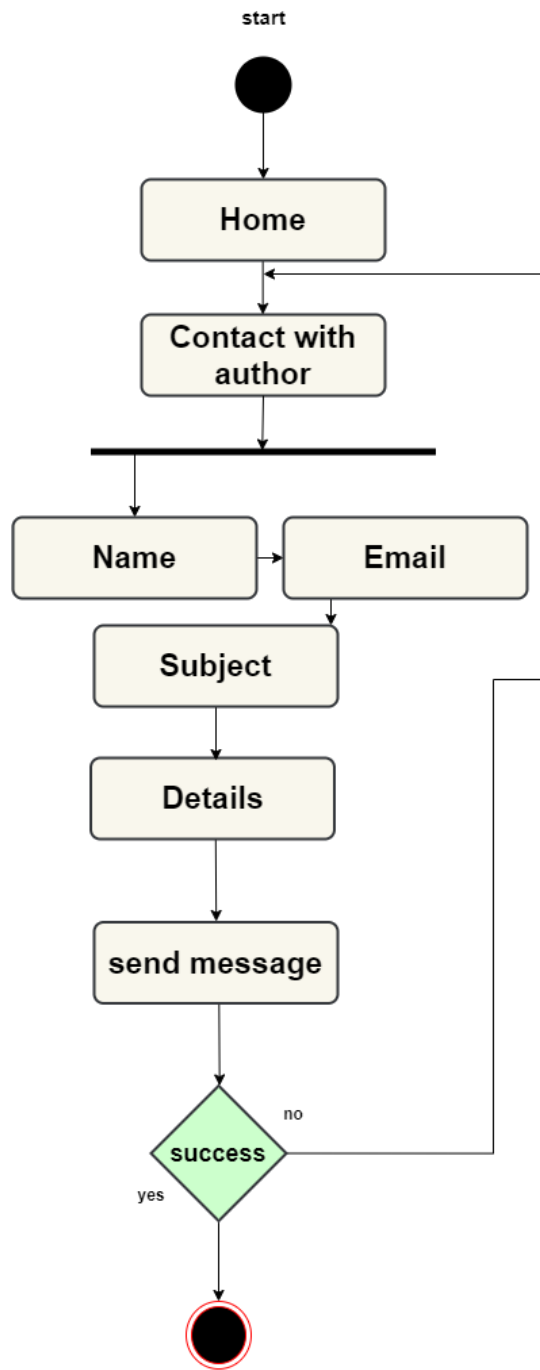


Figure 6.3.13: Visitor & Registered-user Contact (Activity Diagram)

6.3.14 Visitor & Registered-user send Message (Activity Diagram)

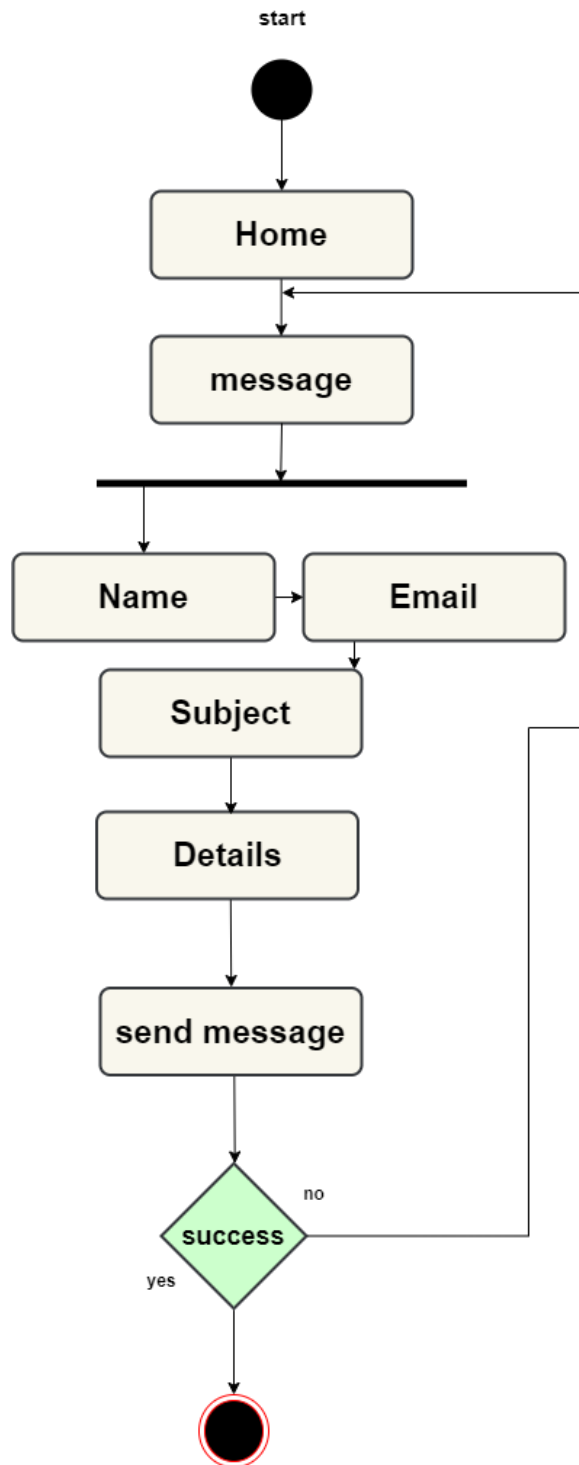


Figure 6.3.14: Visitor & Registered-user send Message (Activity Diagram)

6.3.15 Registered-user Profile (Activity Diagram)

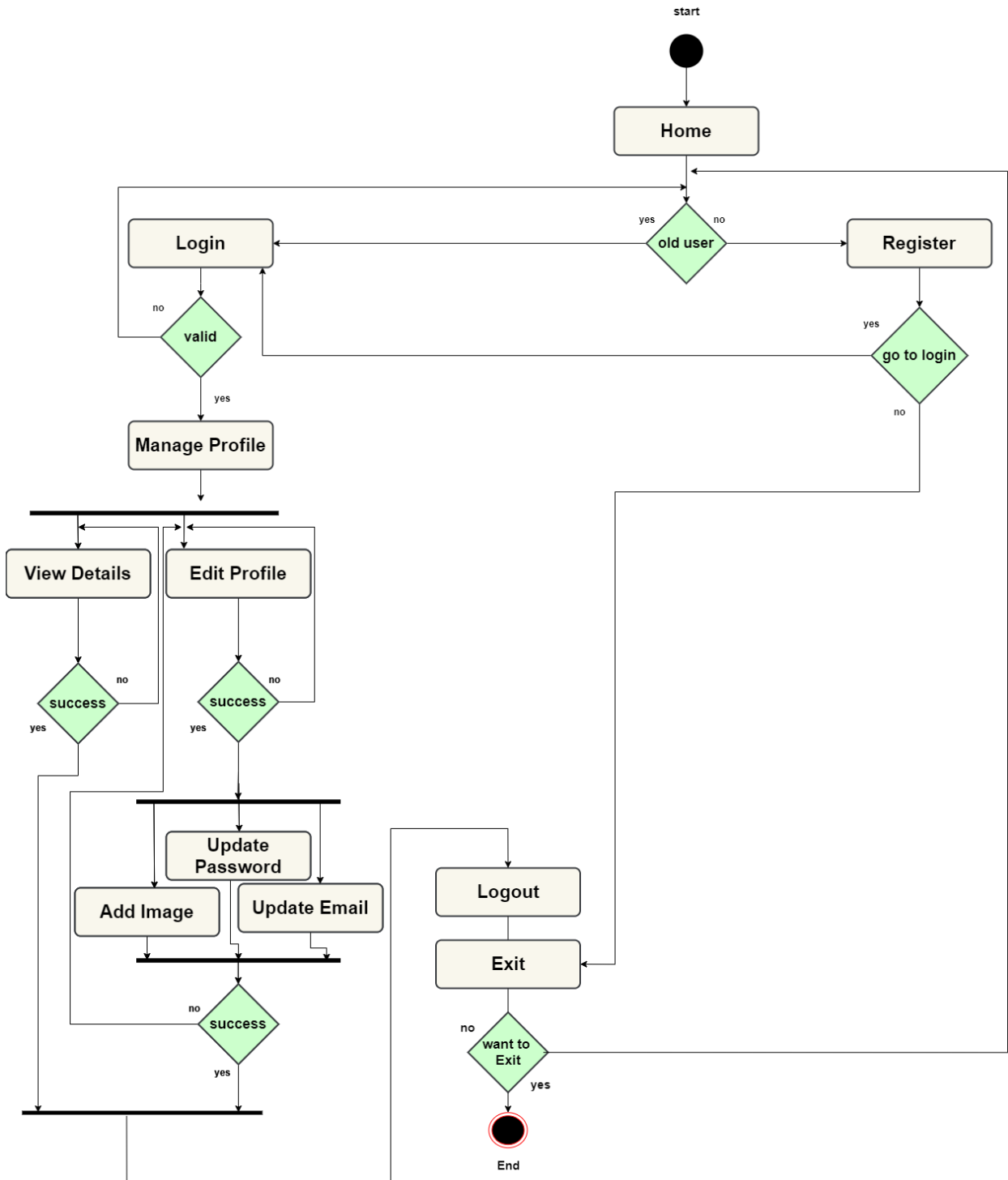


Figure 6.3.15: Registered-user Profile (Activity Diagram)

6.3.16 Registered-user Class (Activity Diagram)

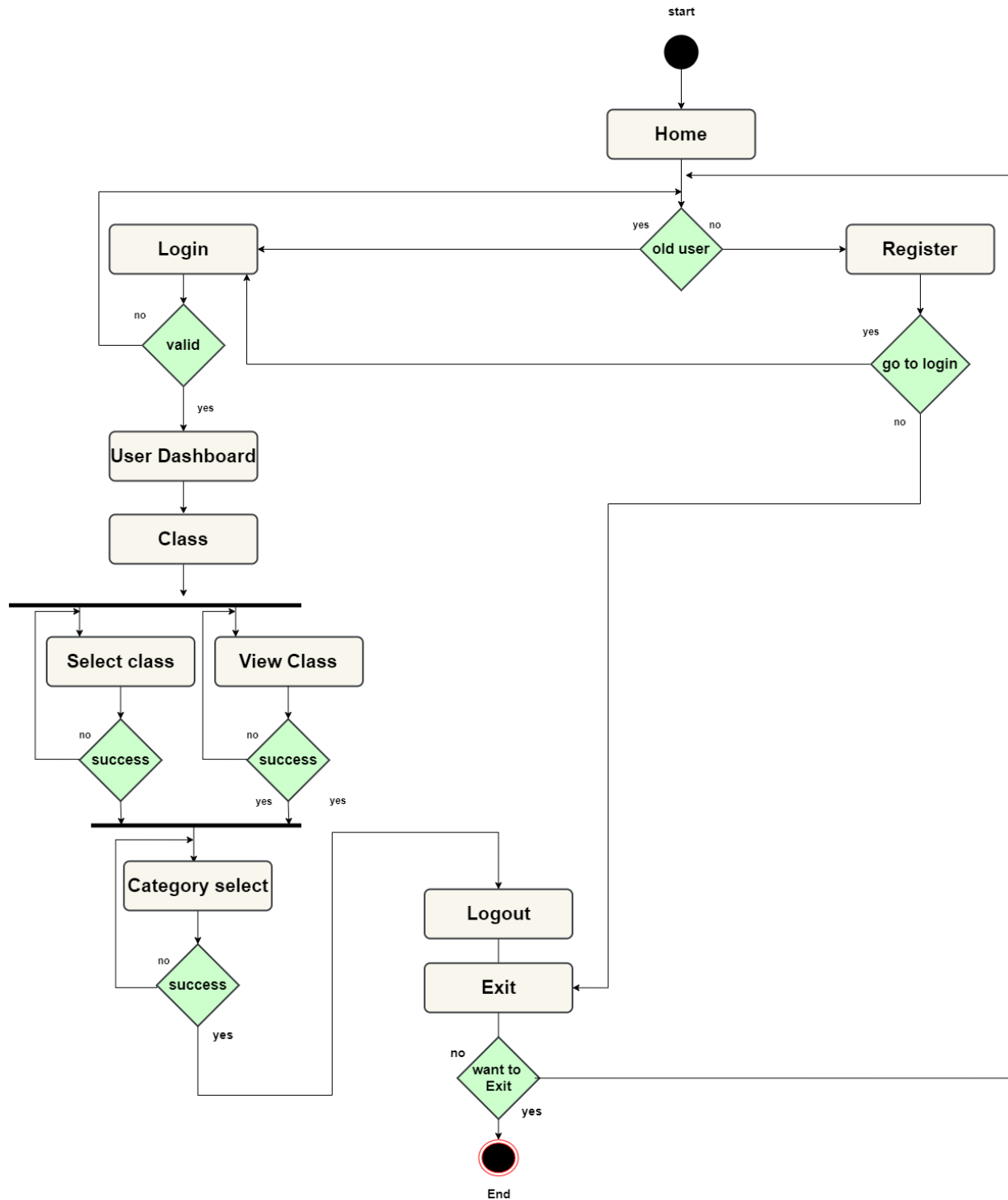


Figure 6.3.16: Registered-user Class (Activity Diagram)

6.3.17 Registered-user Category (Activity Diagram)

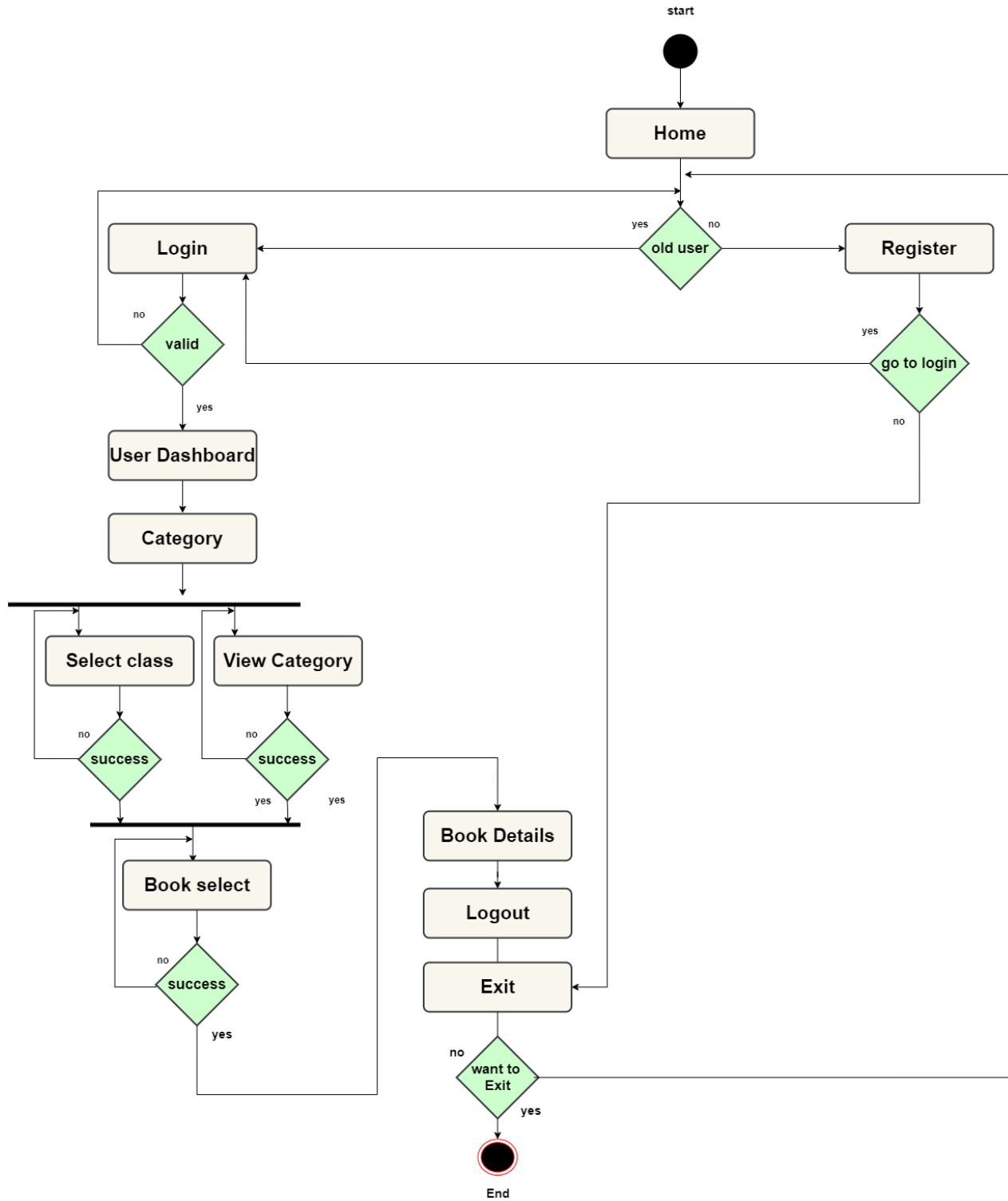


Figure 6.3.17: Registered-user Category (Activity Diagram)

6.33.18 Registered-User Books (Activity Diagram)

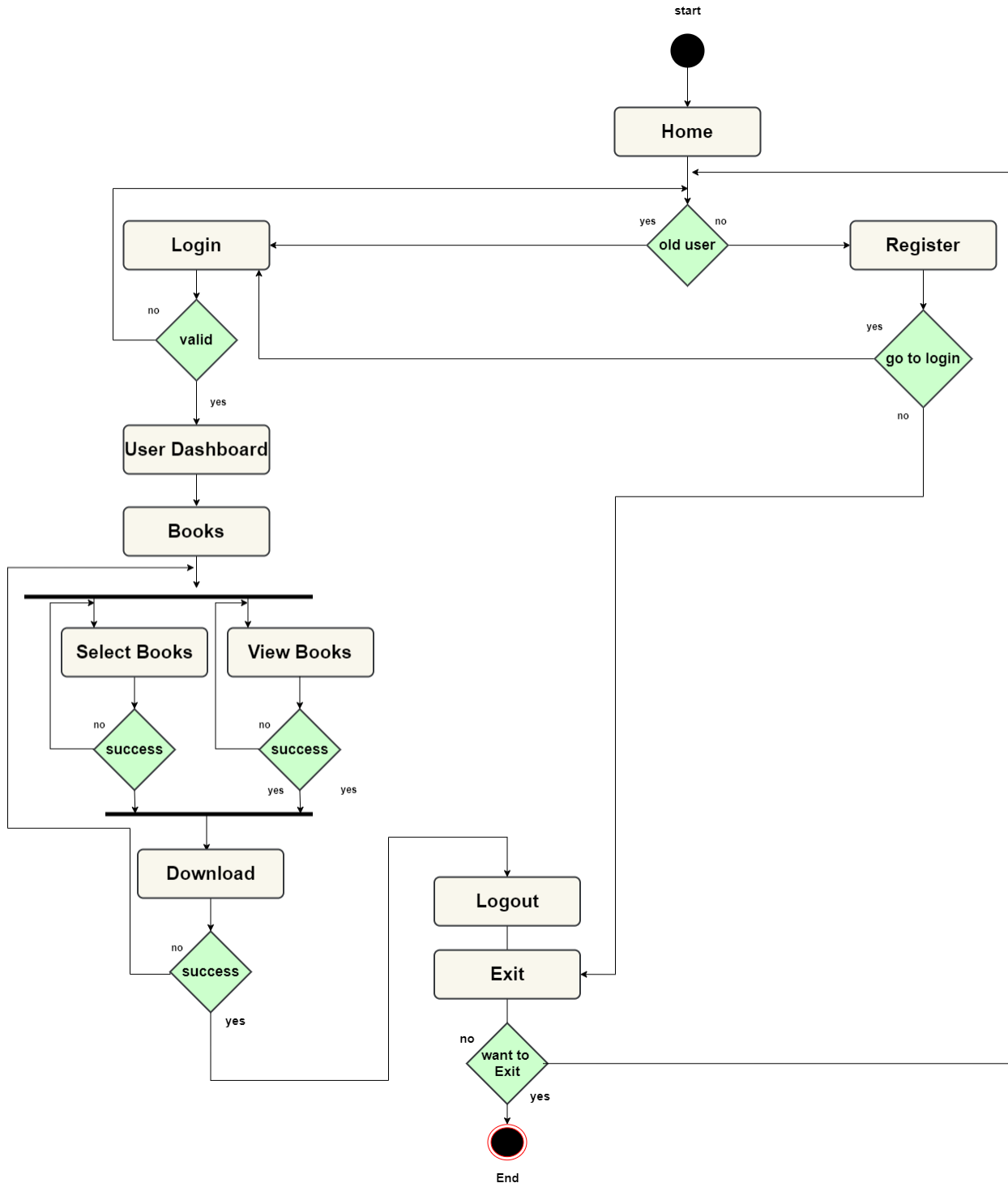


Figure 6.3.18: Registered-User Book (Activity Diagram)

6.3.19 Visitor & Registered-User use Calculator (Activity Diagram)

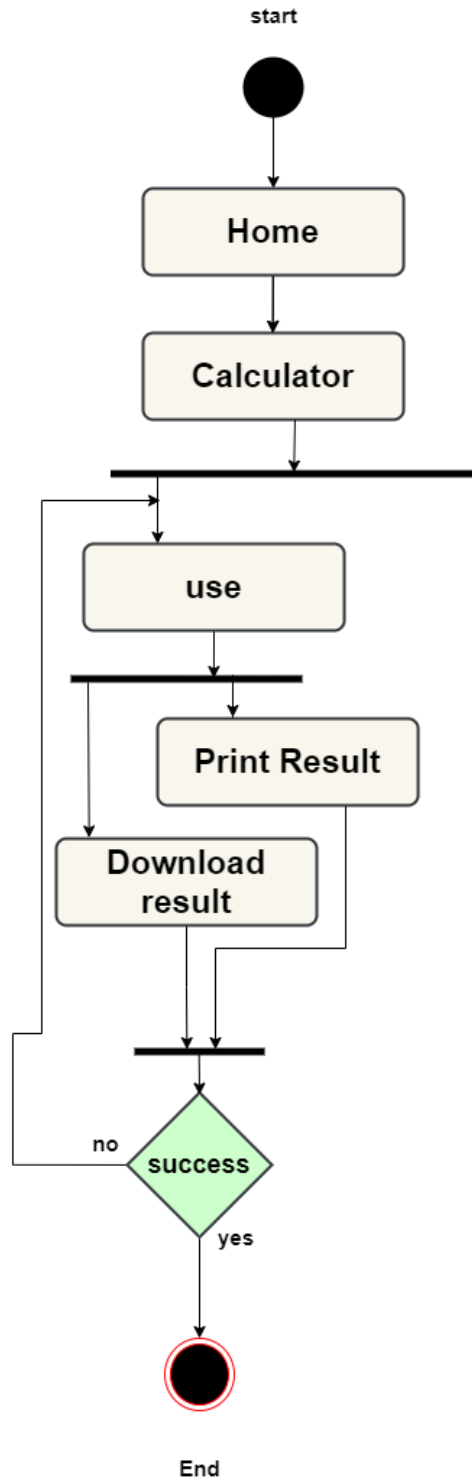


Figure 6.3.19: Visitor & Registered-User use Calculator (Activity Diagram)

6.3.20 Visitor Suggestion Module (Activity Diagram)

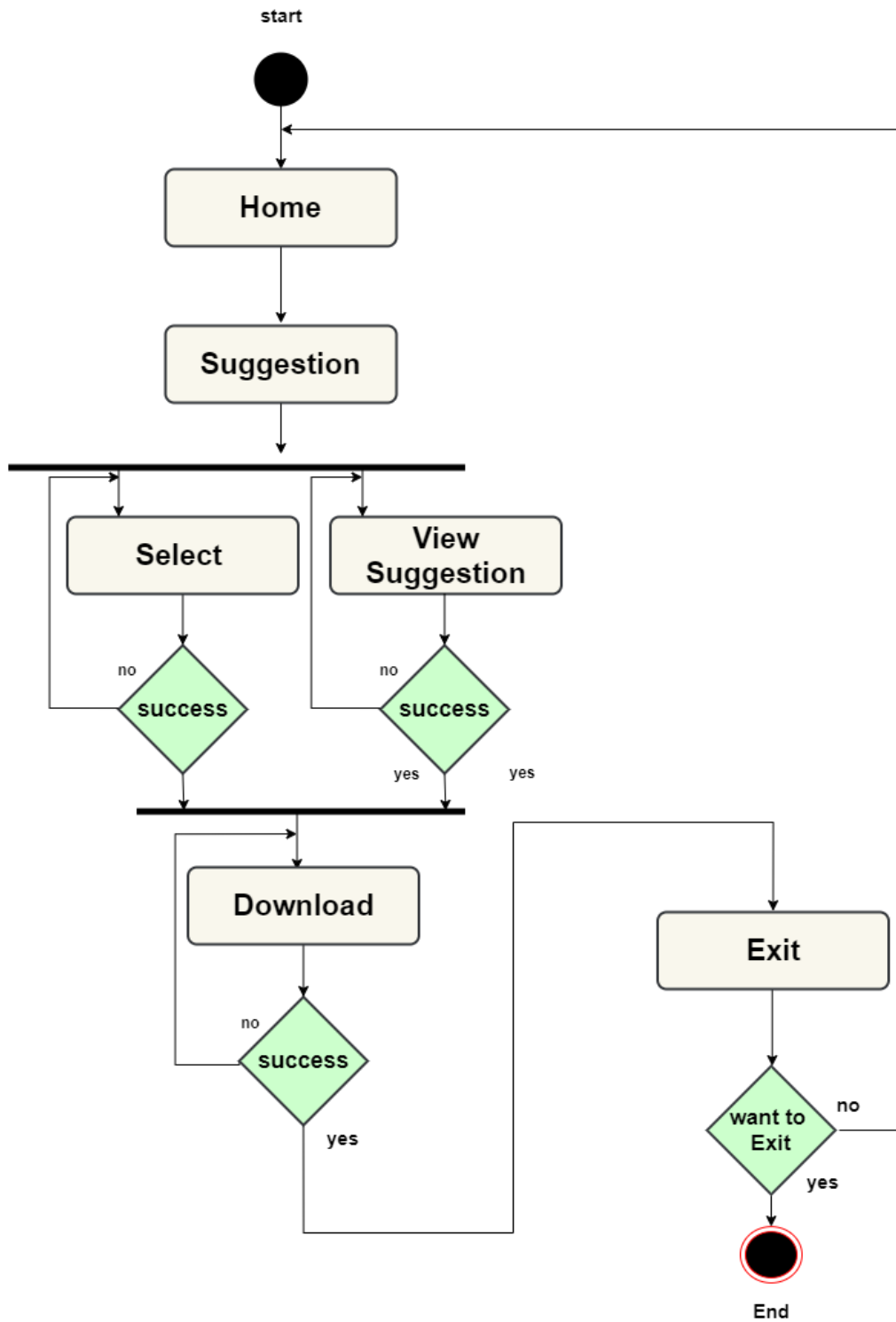


Figure 6.3.20: Visitor Suggestion Module (Activity Diagram)

6.3.21 Visitor Class module (Activity Diagram)

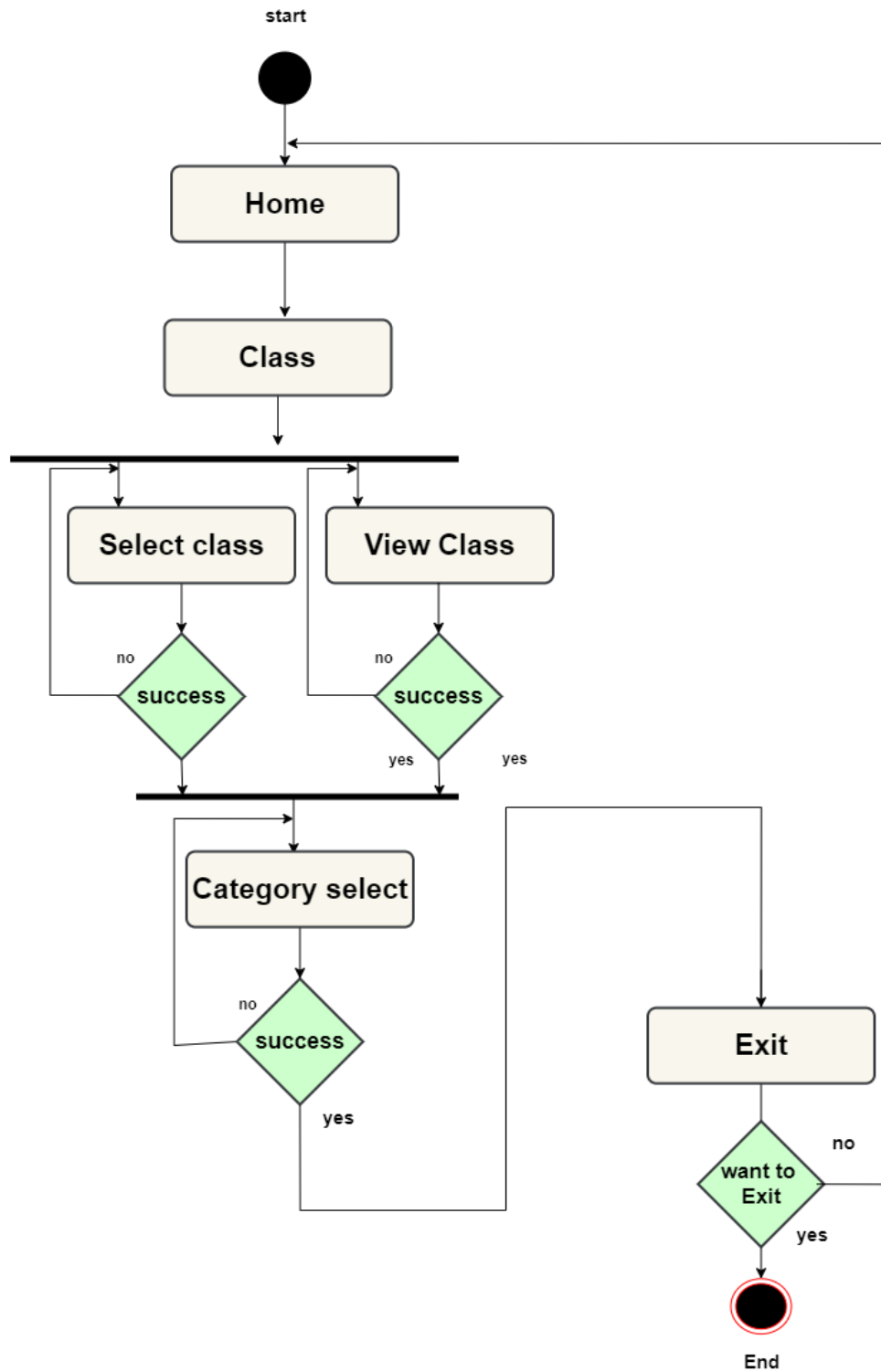


Figure 6.3.21: Visitor Class Module (Activity Diagram)

6.3.22 Visitor Category Module (Activity Diagram)

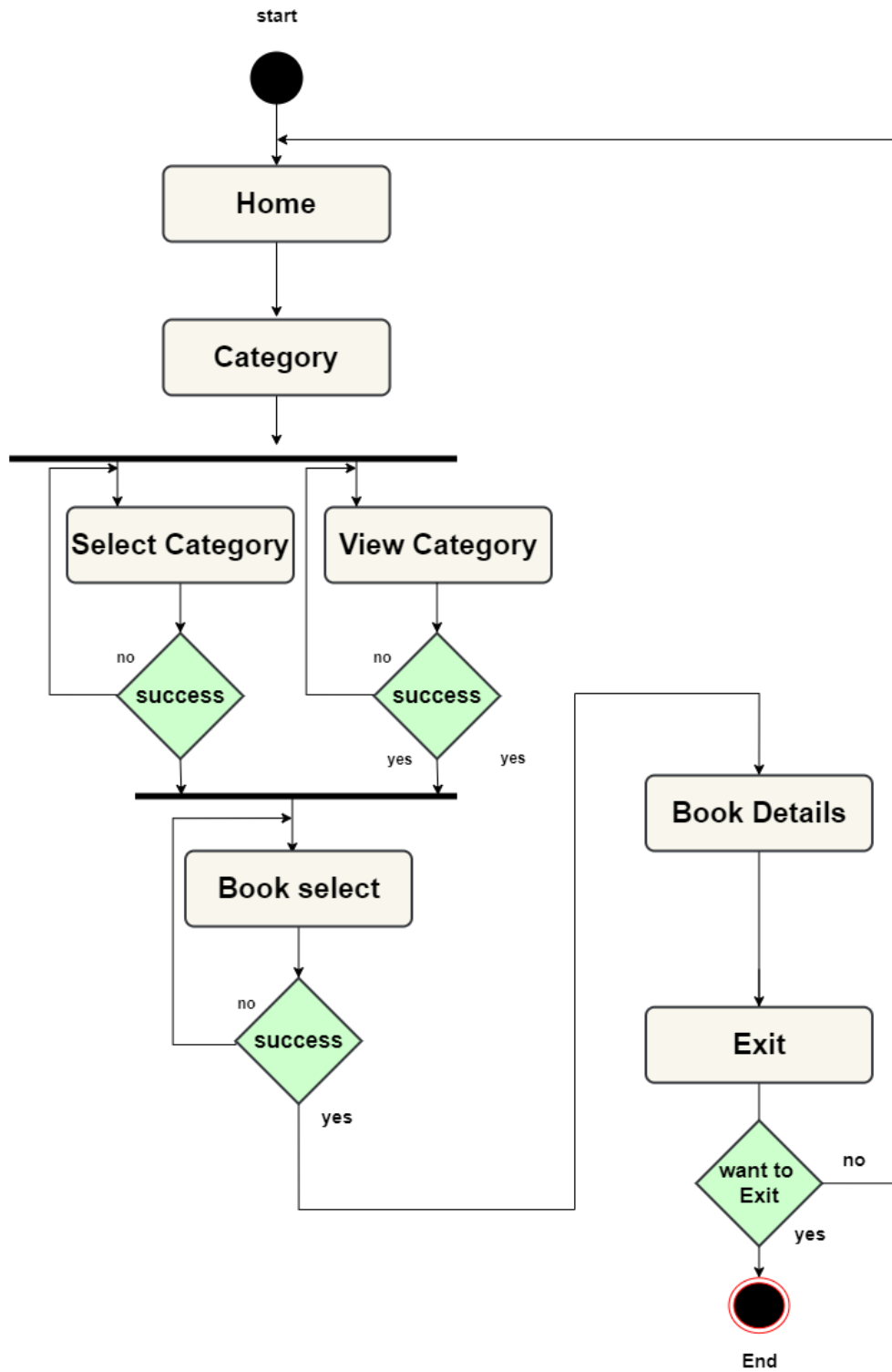


Figure 6.3.22: Visitor Category module (Activity Diagram)

6.3.23 Visitor Books Module (Activity Diagram)

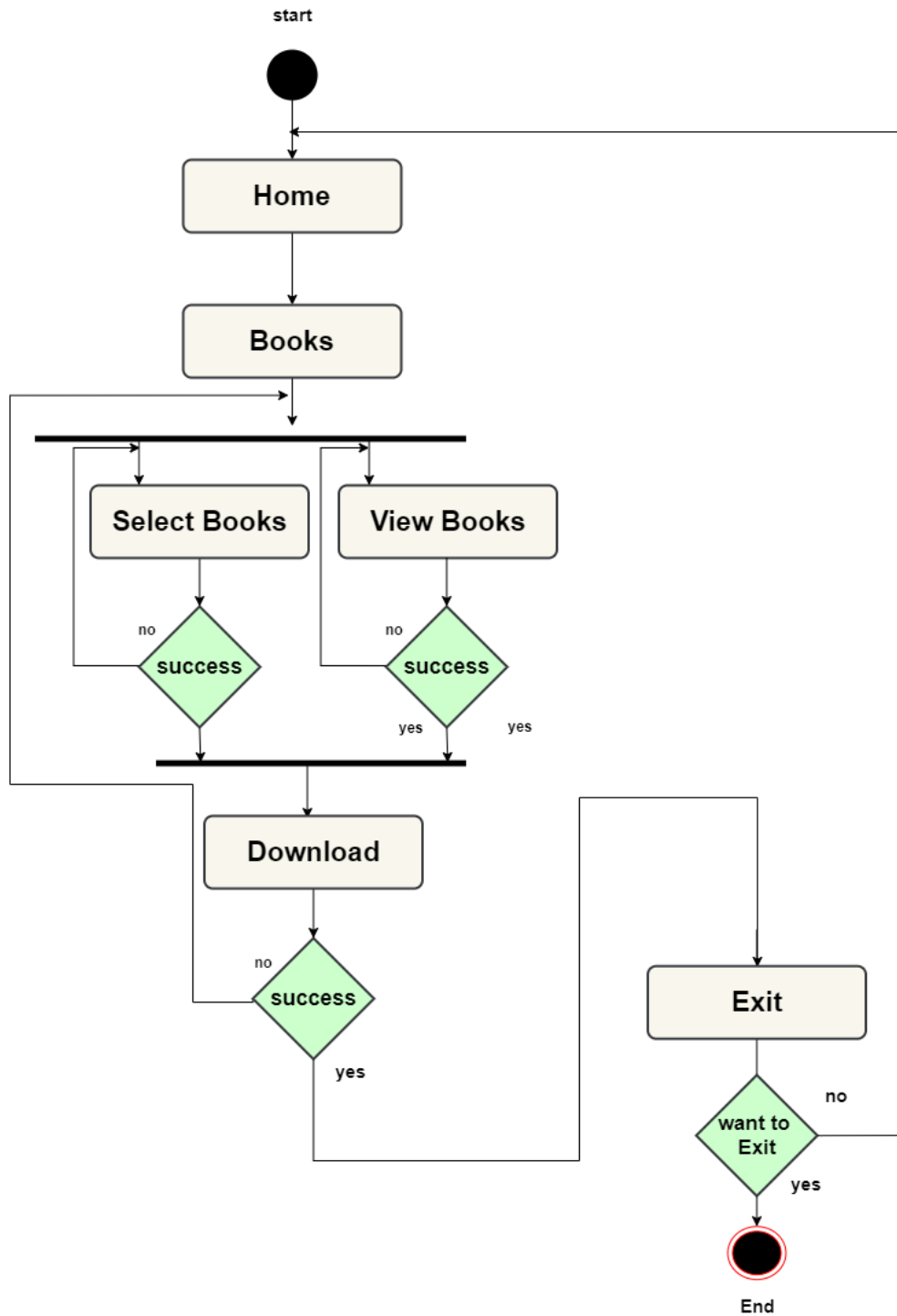


Figure 6.3.23: Visitor Books Module (Activity Diagram)

6.4 System Sequence Diagram

6.4.1 Admin-Login (Sequence Diagram)

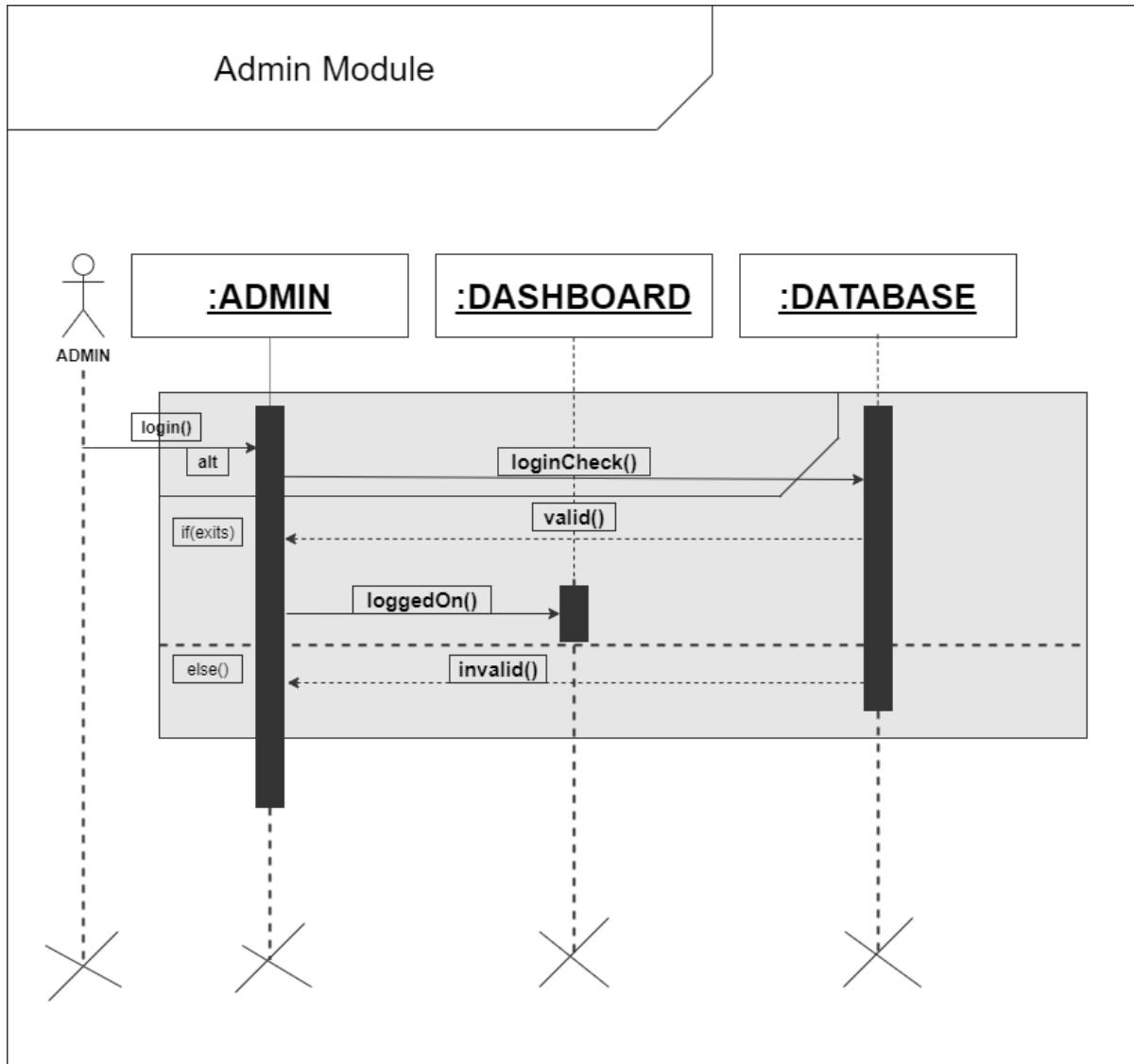


Figure 6.4.1: Admin-Login (Sequence Diagram)

6.4.2 Admin-Manage Classes (Sequence Diagram)

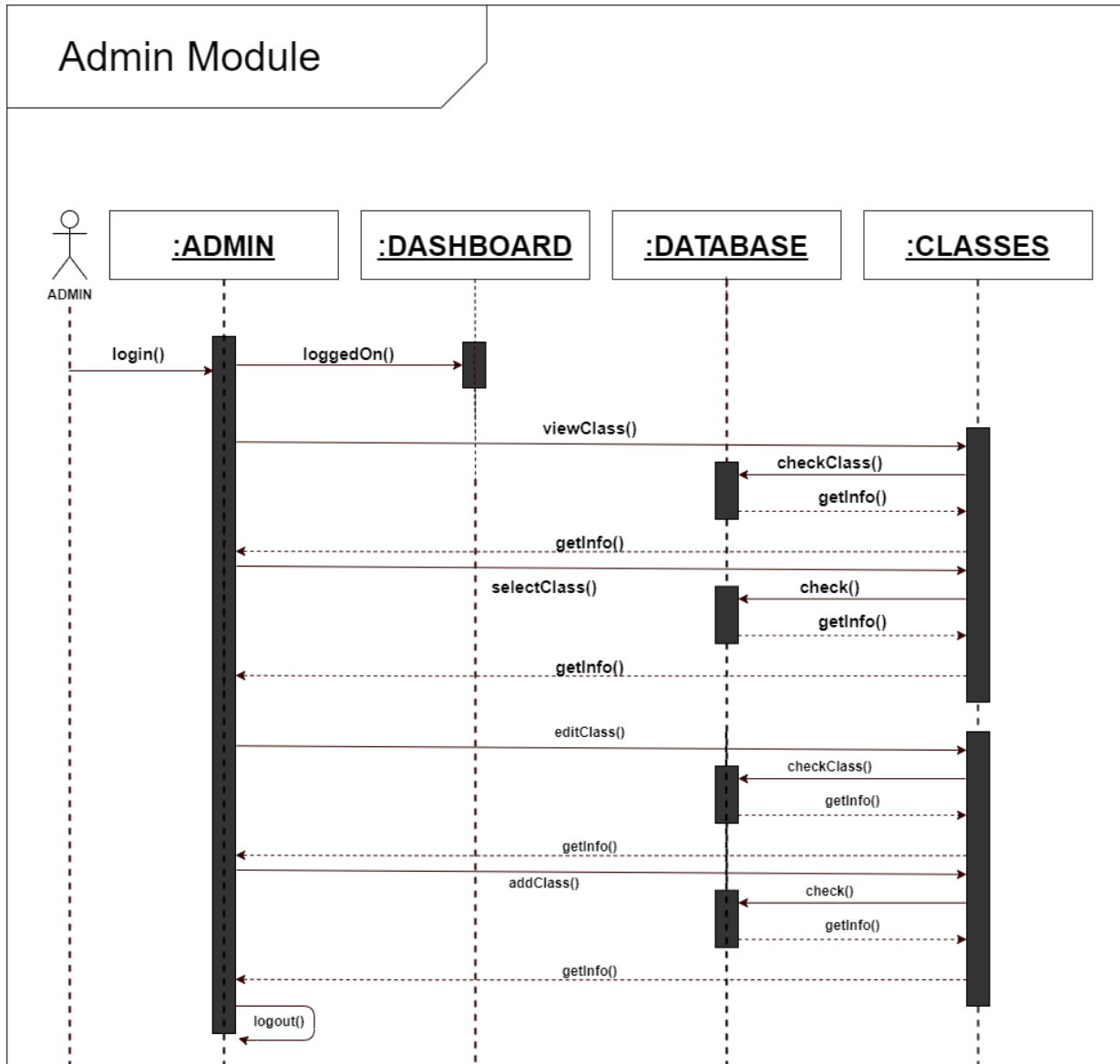


Figure 6.4.2: Admin-Manage Classes (Sequence Diagram)

6.4.3 Admin-Manage Categories (Sequence Diagram)

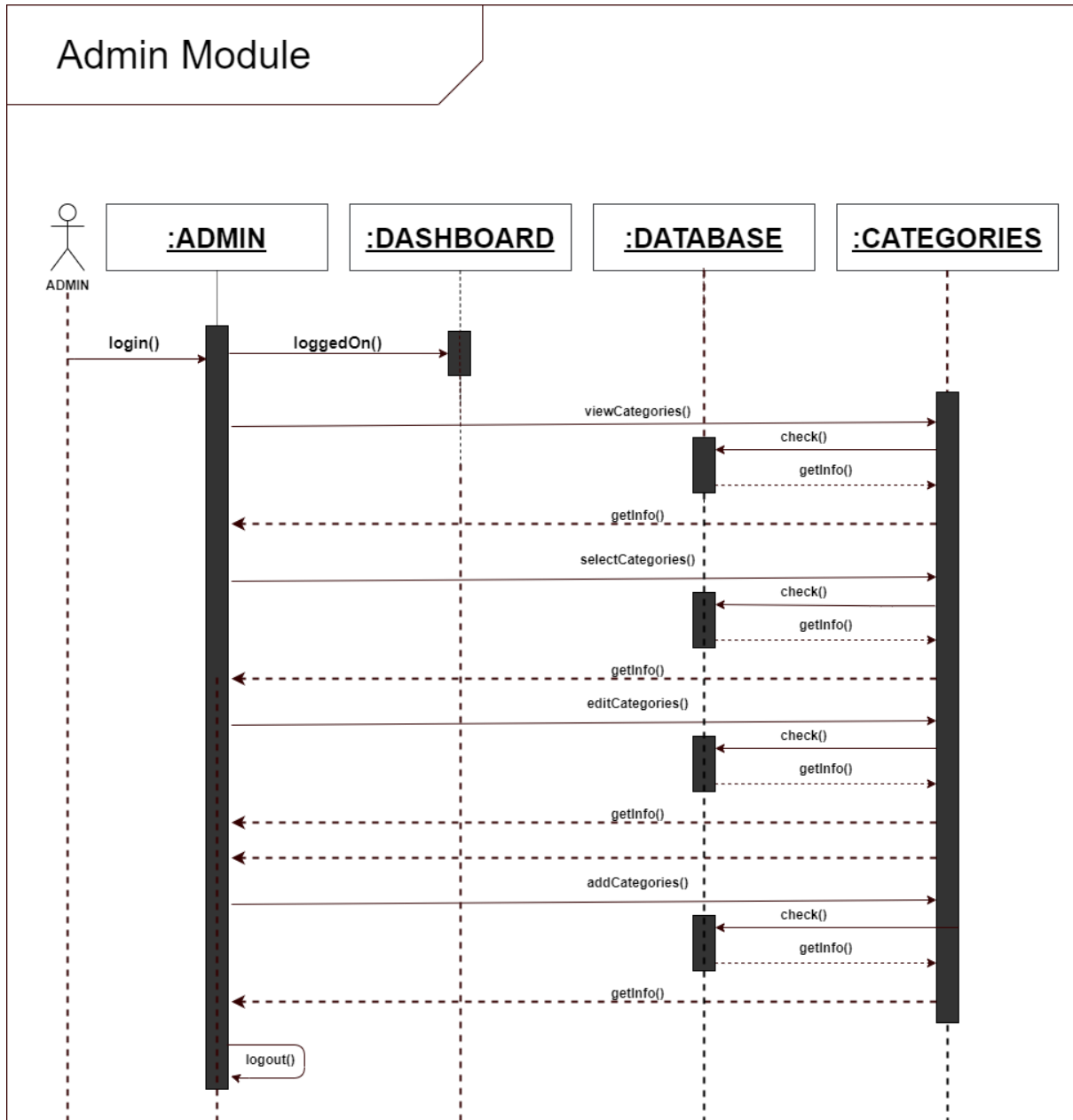


Figure 6.4.3: Admin-Manage Categories (Sequence Diagram)

6.4.4 Admin-Manage Books (Sequence Diagram)

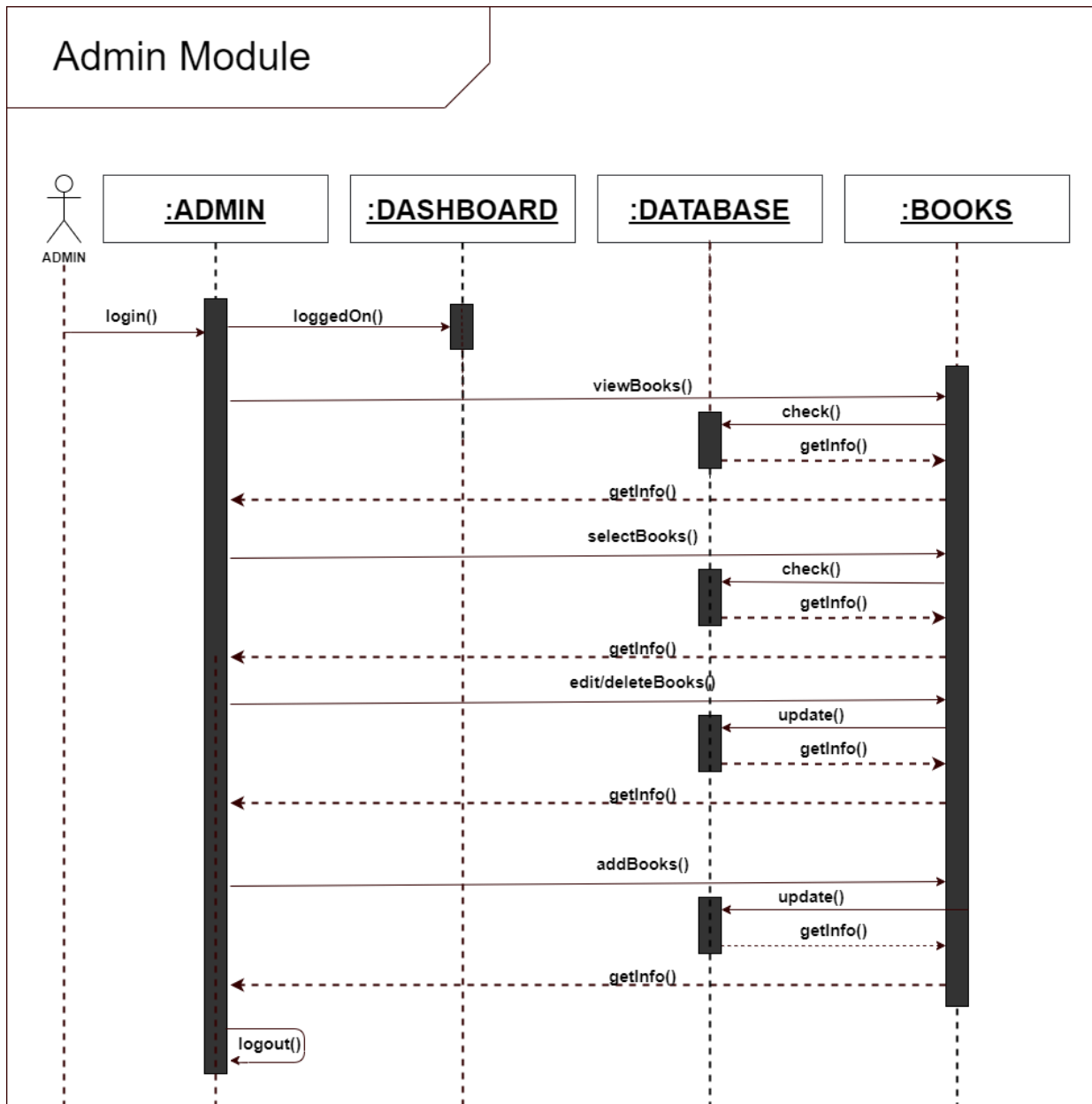


Figure 6.4.4: Admin-Manage Books (Sequence Diagram)

6.4.5 Admin-Manage Suggestion (Sequence Diagram)

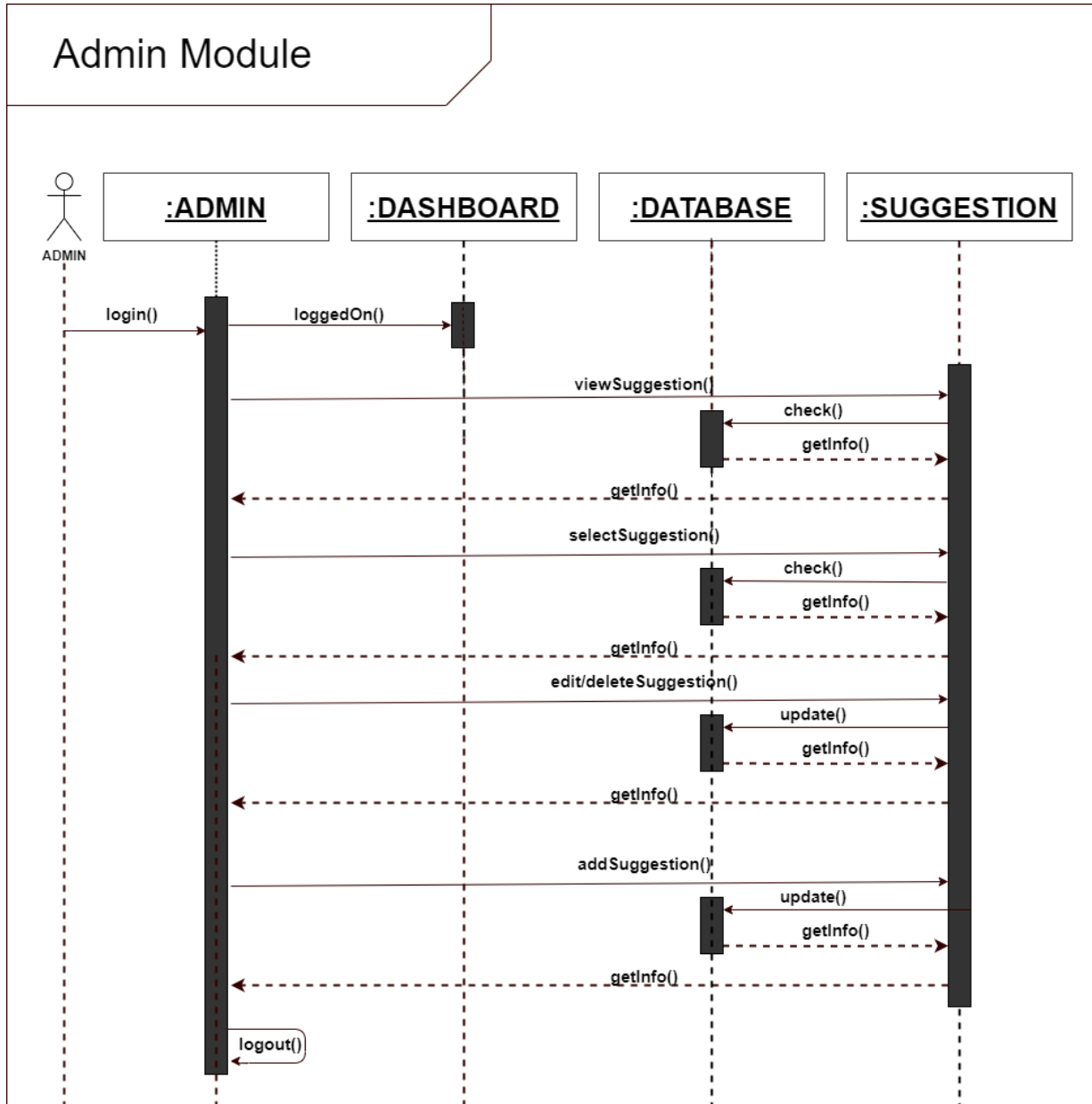


Figure 6.4.5: Admin-Manage Suggestion (Sequence Diagram)

6.4.6 Admin-Manage Discuss (Sequence Diagram)

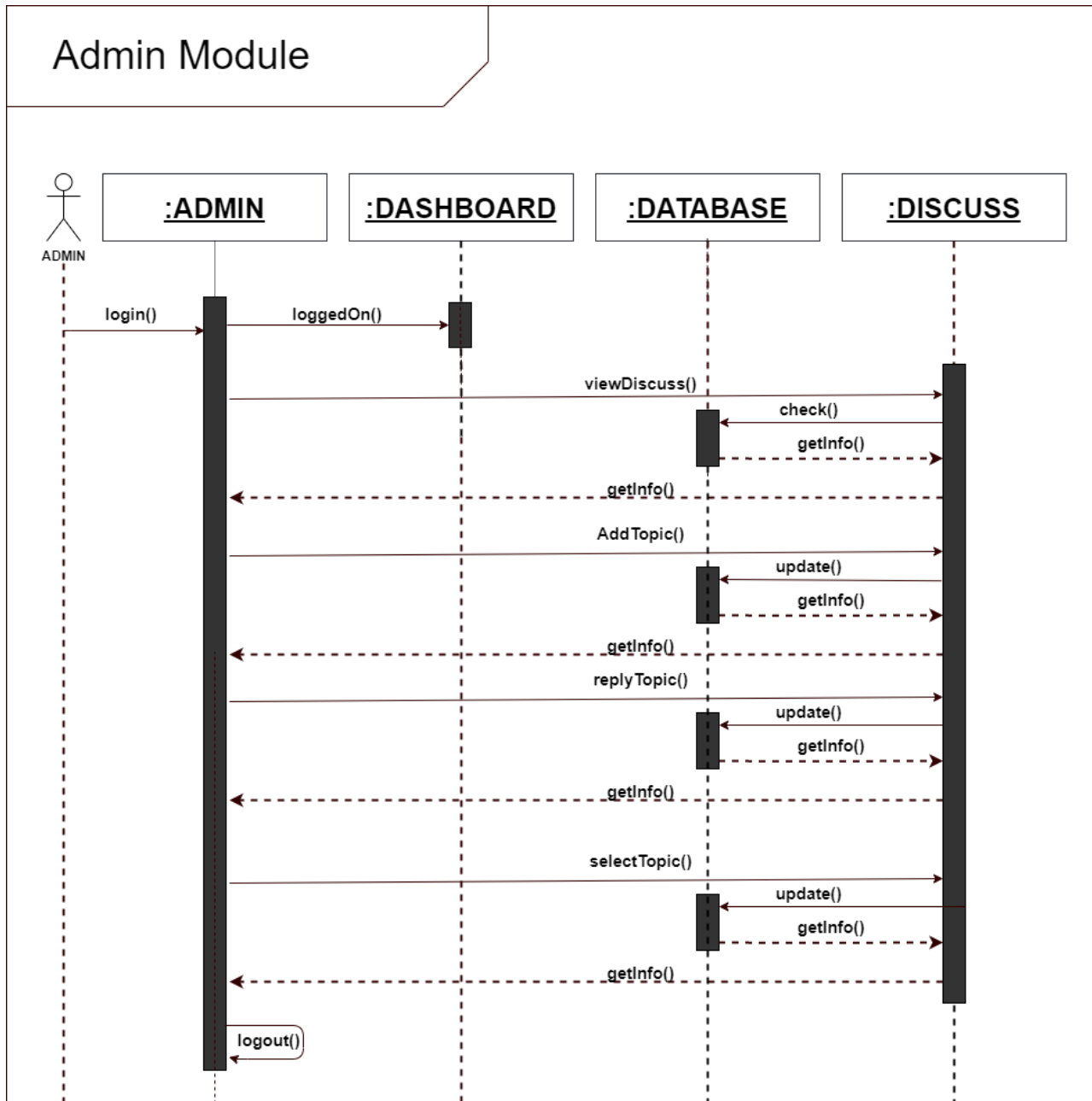


Figure 6.4.6: Admin-Manage Discuss (Sequence Diagram)

6.4.7 Admin-Manage Profile (Sequence Diagram)

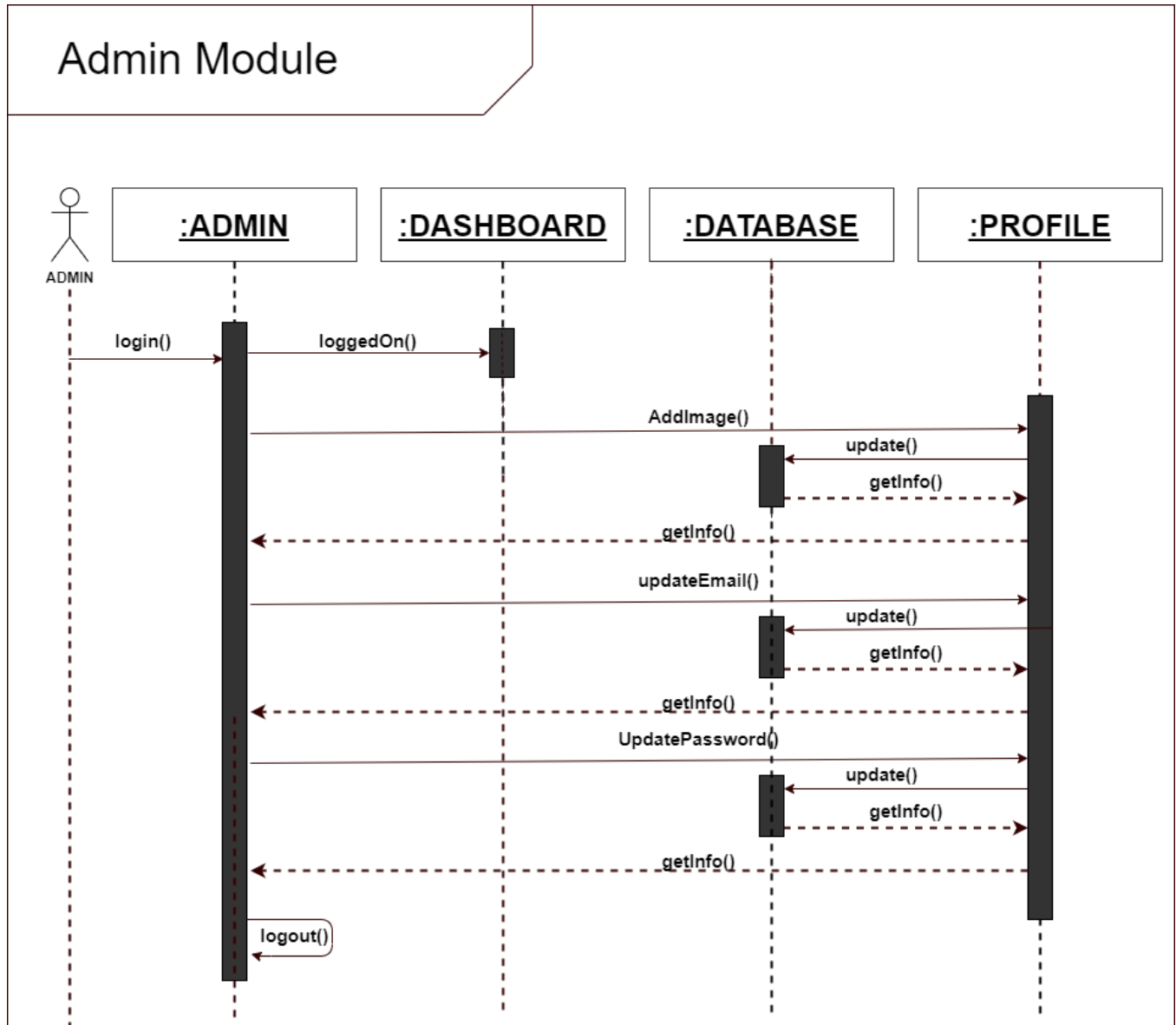


Figure 6.4.7: Admin-Manage Profile (Sequence Diagram)

6.4.8 Admin-Manage Message (Activity Diagram)

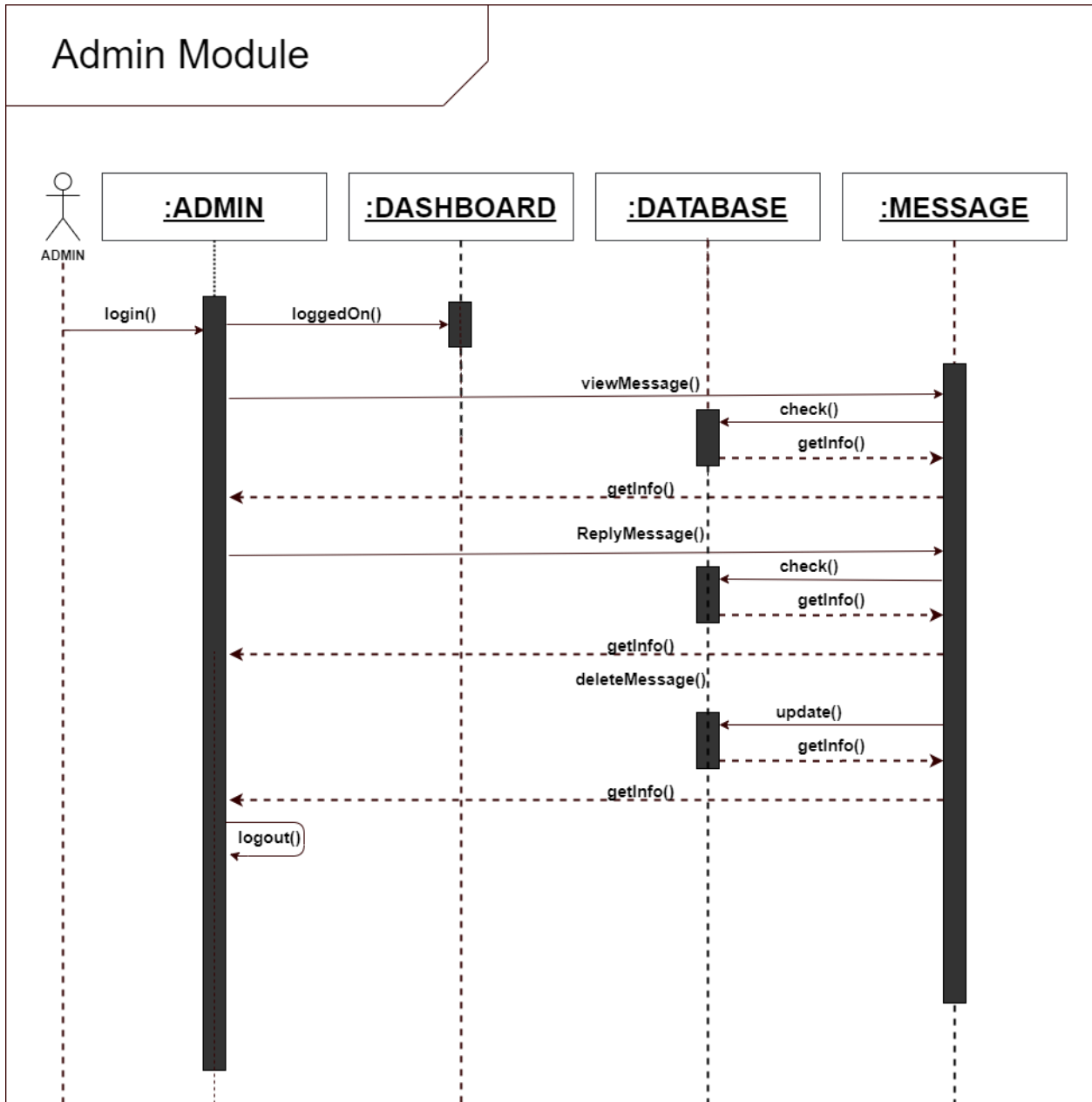


Figure 6.4.8: Admin-Manage Message (Sequence Diagram)

6.4.9 Registered-User Registration (Sequence Diagram)

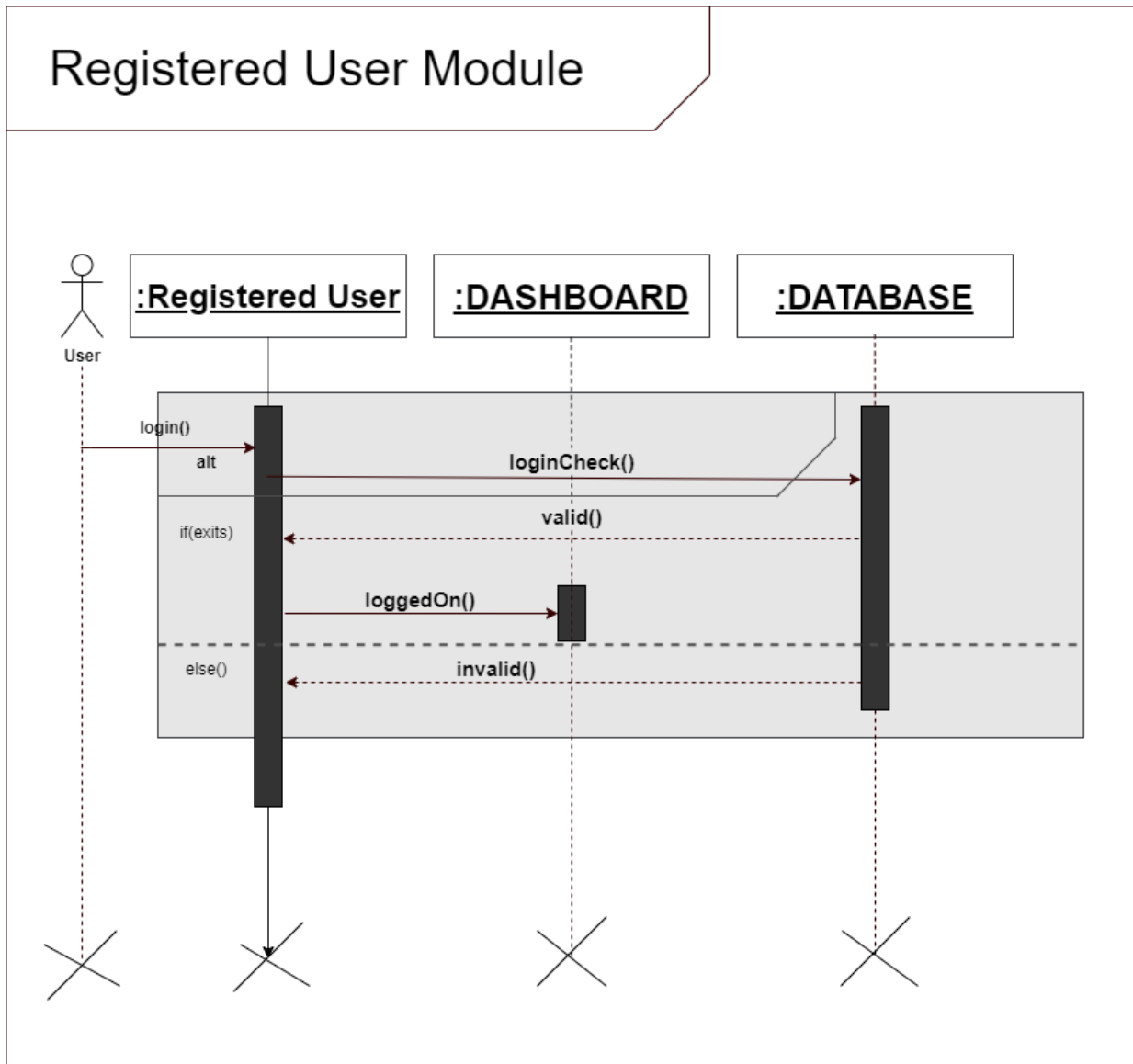


Figure 6.4.9: Registered-user Registration (Sequence Diagram)

6.4.10 Registered-User Login (Sequence Diagram)

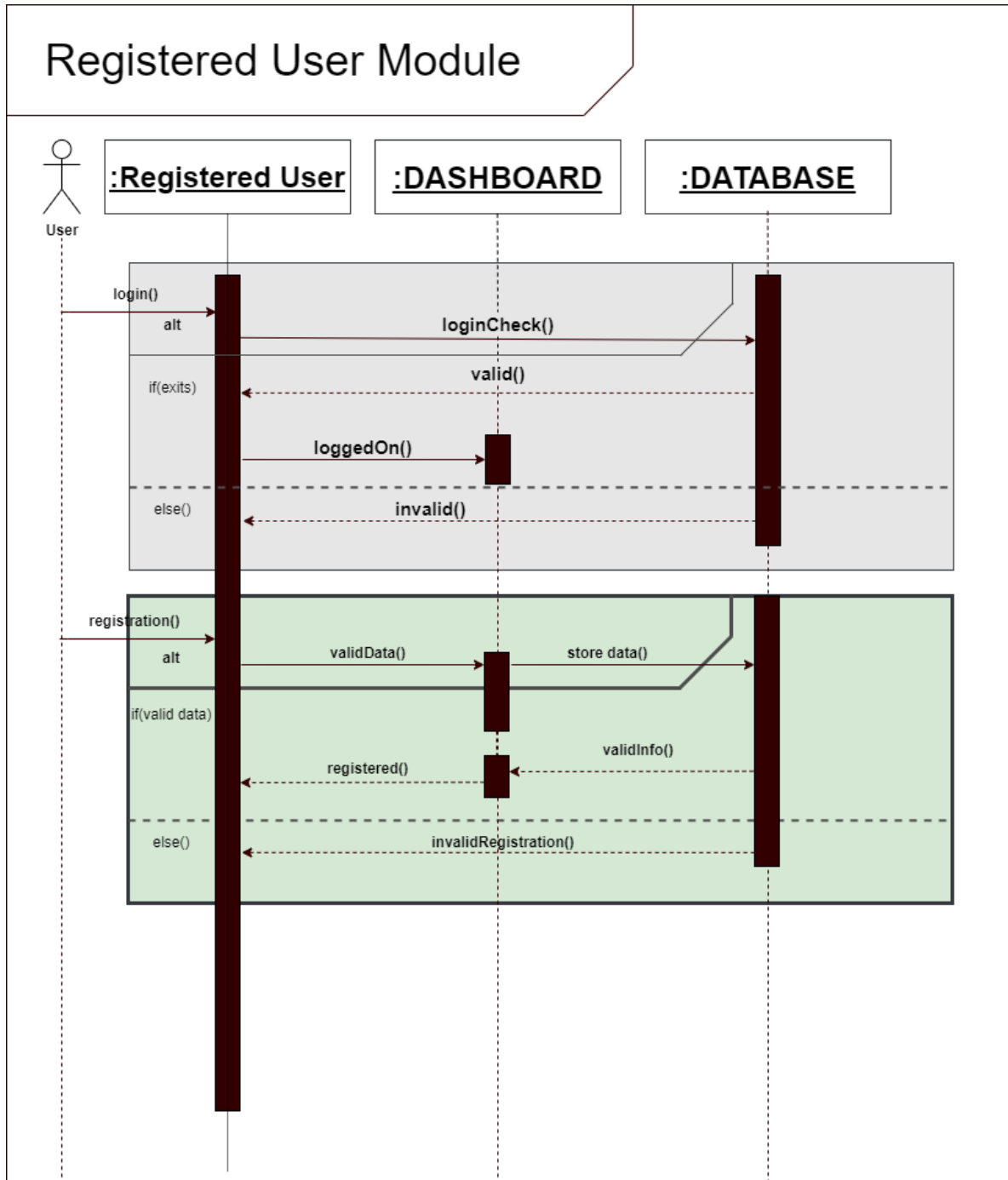


Figure 6.4.10: Registered-user Login (Sequence Diagram)

6.4.11 Registered-user Discuss (Sequence Diagram)

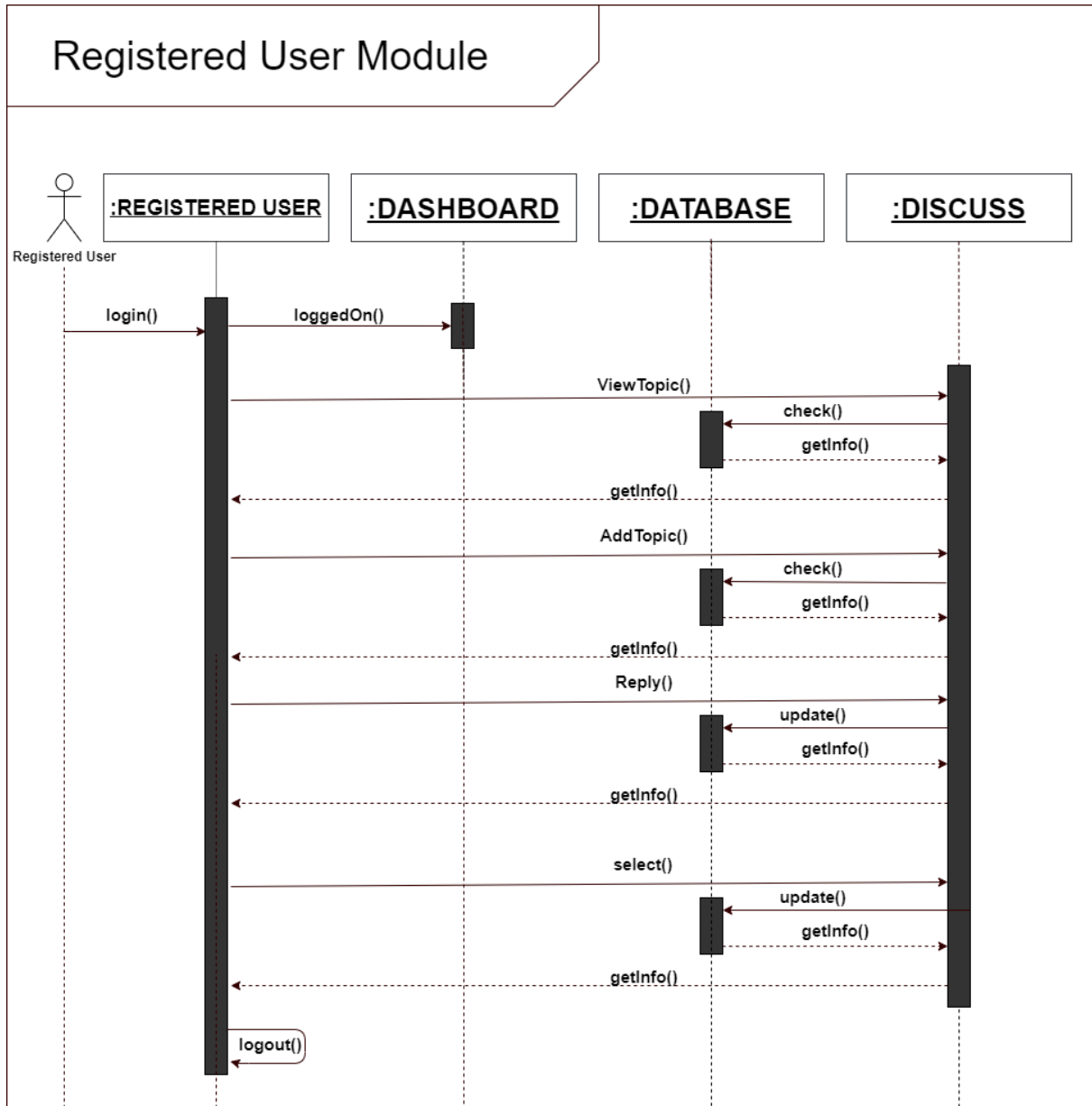


Figure 6.4.11: Registered-user Discuss (Sequence Diagram)

6.4.12 Visitor & Registered-user Suggestion (Sequence Diagram)

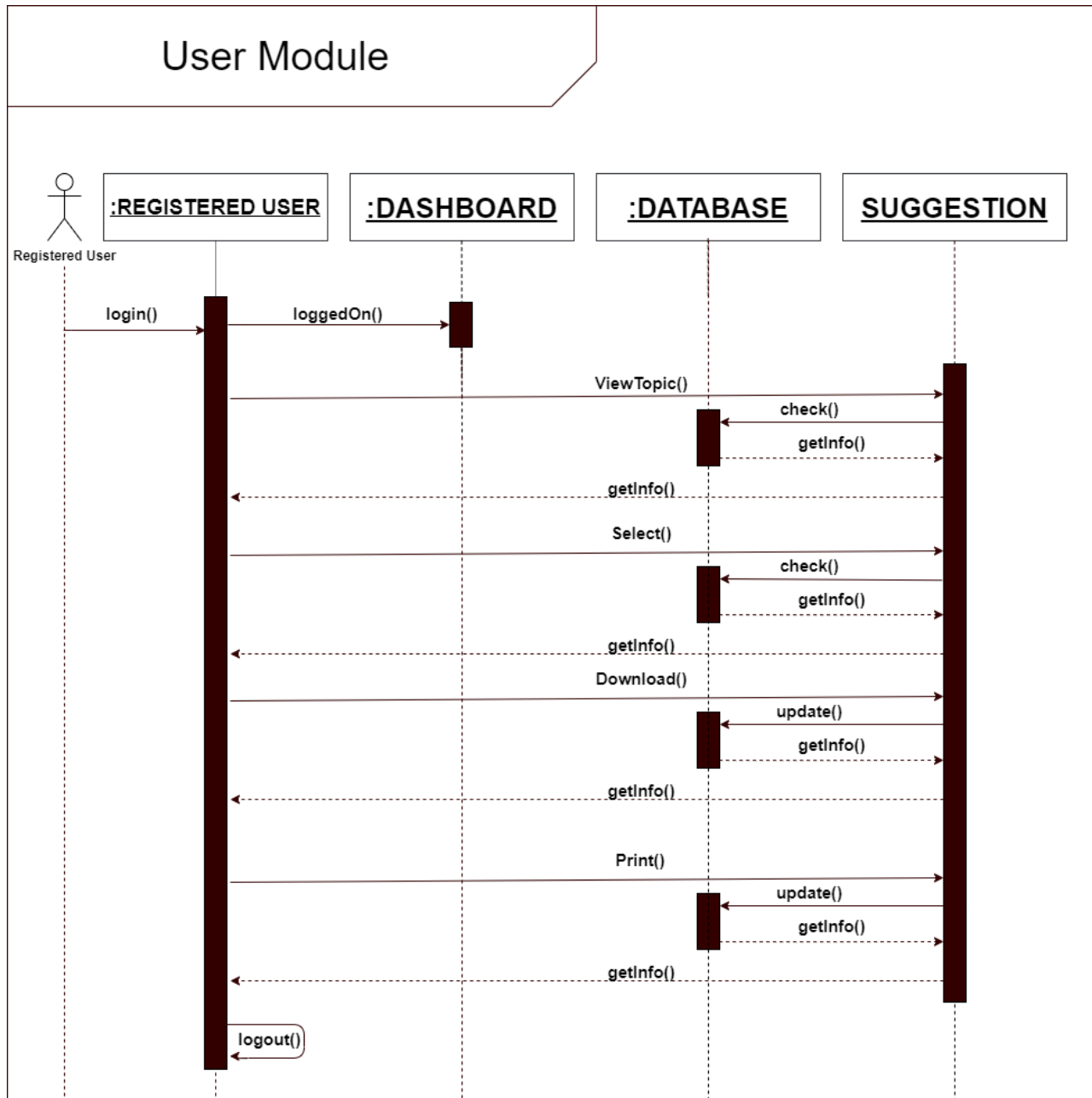


Figure 6.4.12: Registered-user Suggestion (Sequence Diagram)

6.4.13 Visitor & Registered-user Message (Sequence Diagram)

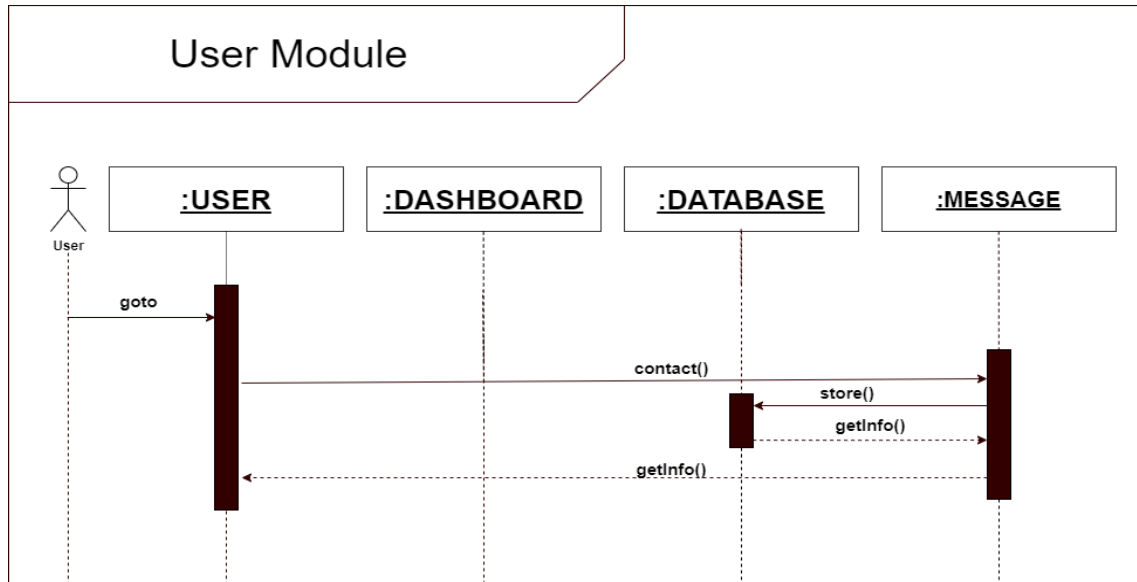


Figure 6.4.13: Visitor & Registered-user Message (Sequence Diagram)

6.4.14 Visitor & Registered-user send Contact (Sequence Diagram)

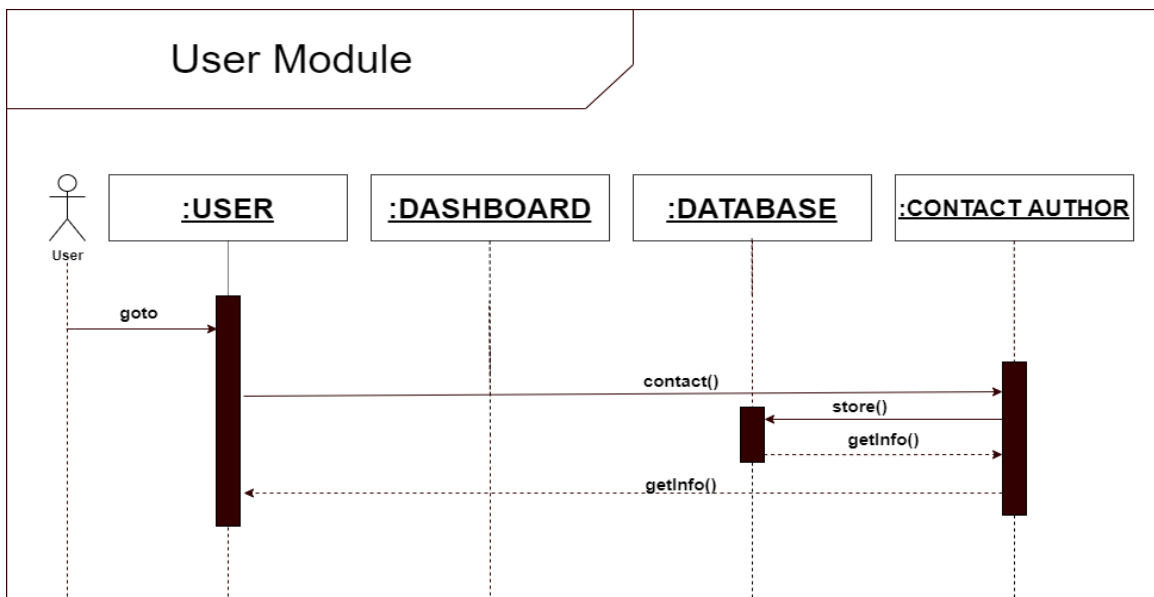


Figure 6.4.14: Visitor & Registered-user send Contact (Sequence Diagram)

6.4.15 Registered-user Profile (Sequence Diagram)

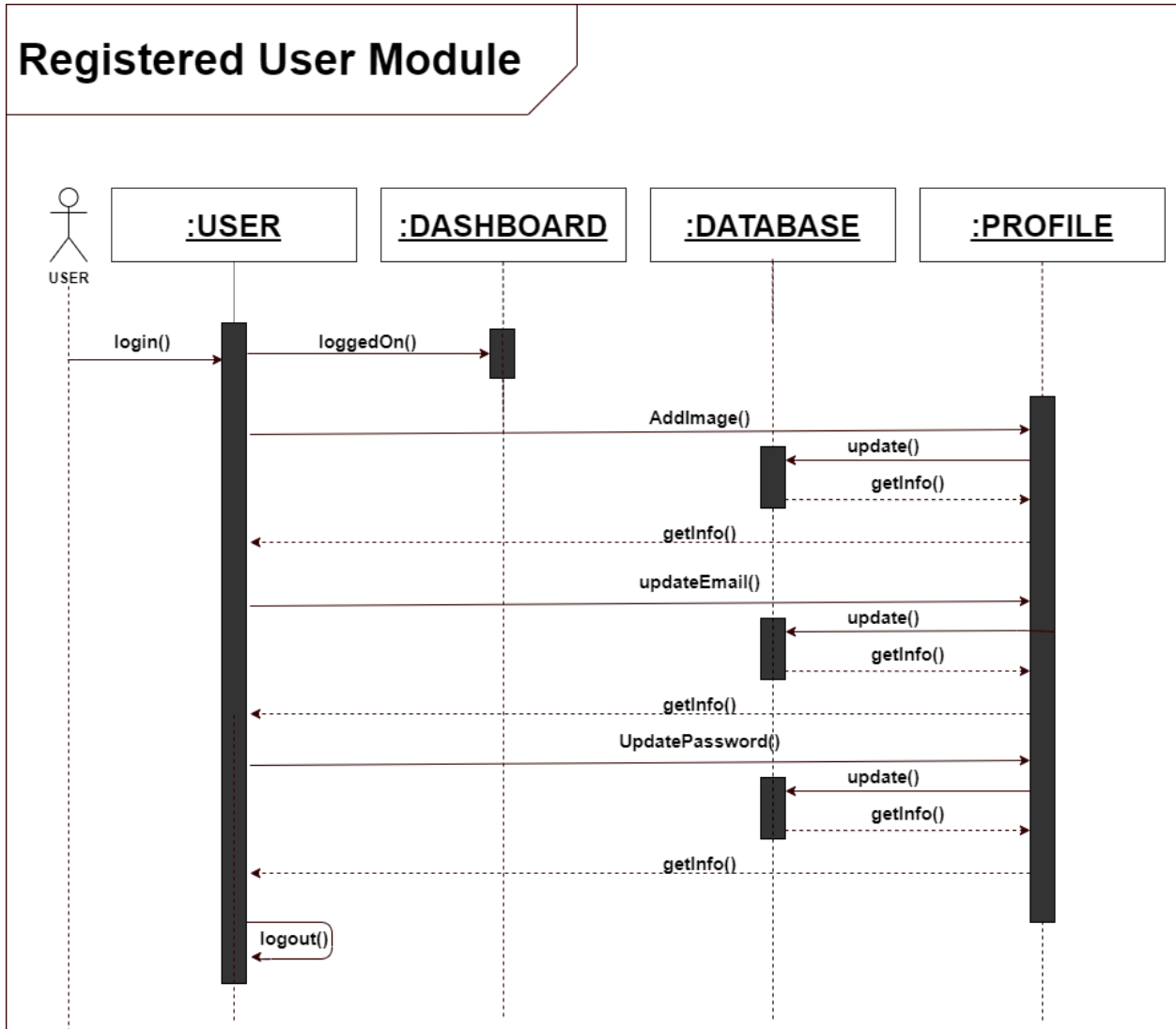


Figure 6.4.15: Registered-user Profile (Sequence Diagram)

6.4.16 Visitor & Registered-user Class (Sequence Diagram)

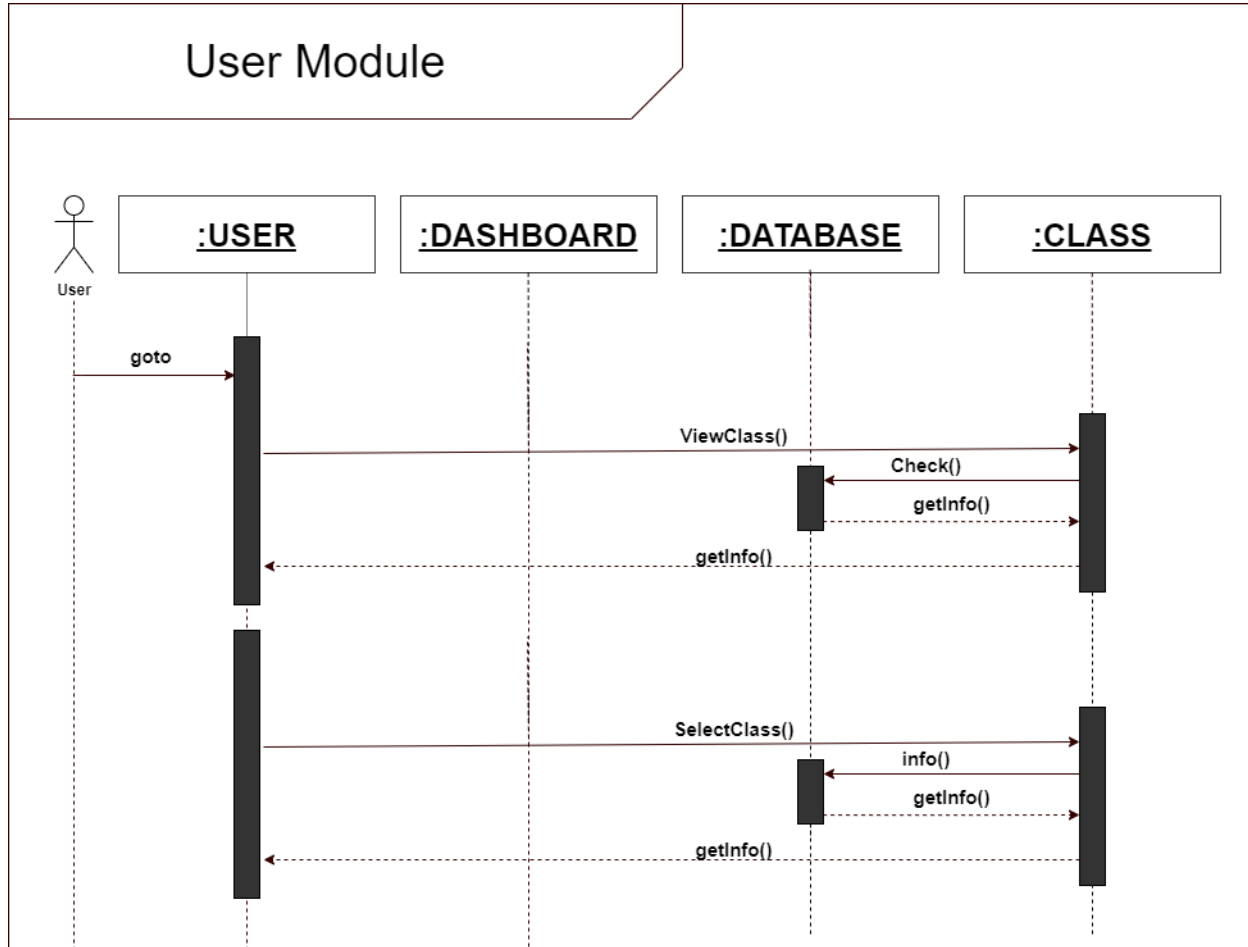


Figure 6.4.16: Registered-user Class (Sequence Diagram)

6.4.17 Visitor & Registered-user Category (Sequence Diagram)

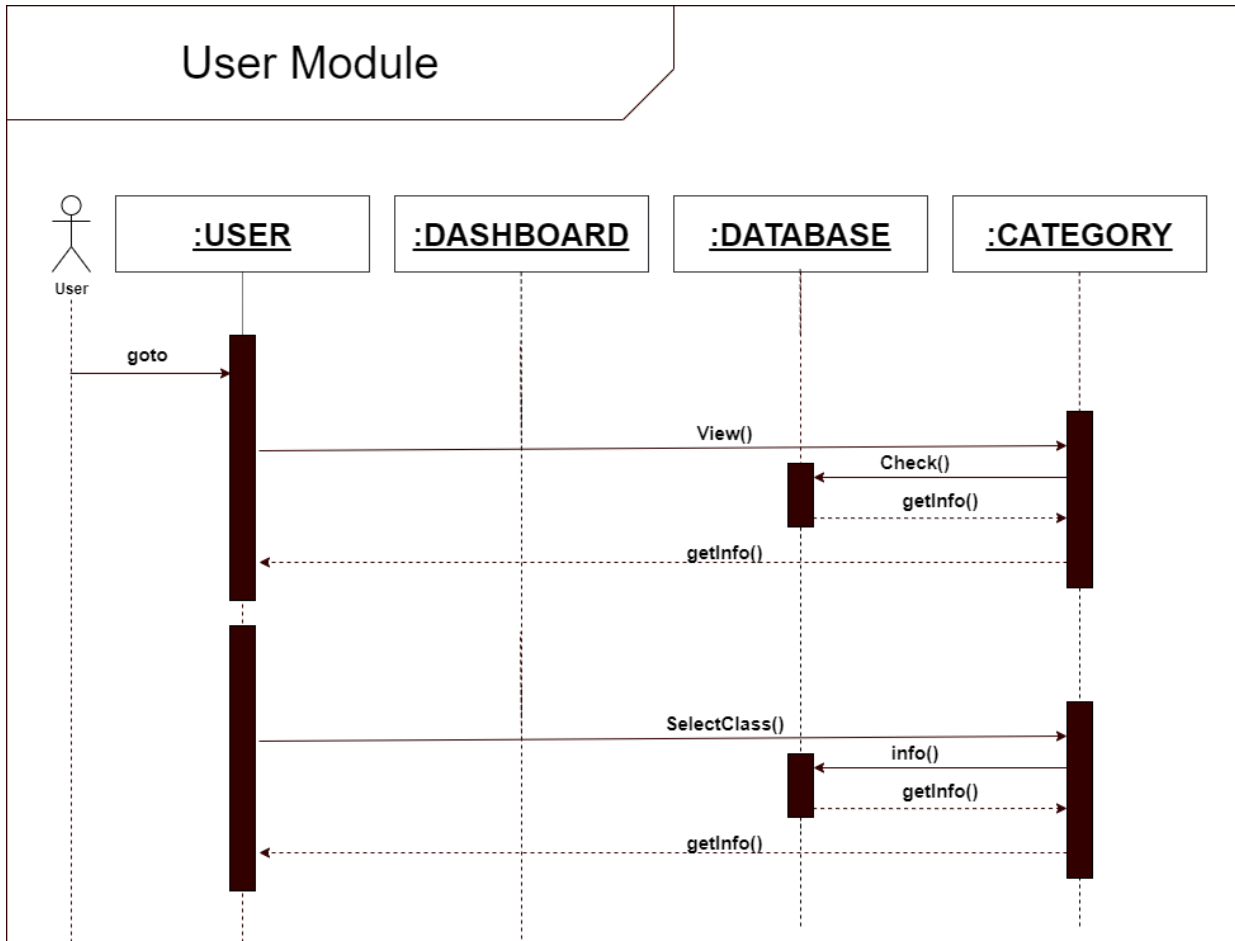


Figure 6.4.17: Registered-user Category (Sequence Diagram)

6.4.18 Visitor & Registered-User Books (Sequence Diagram)

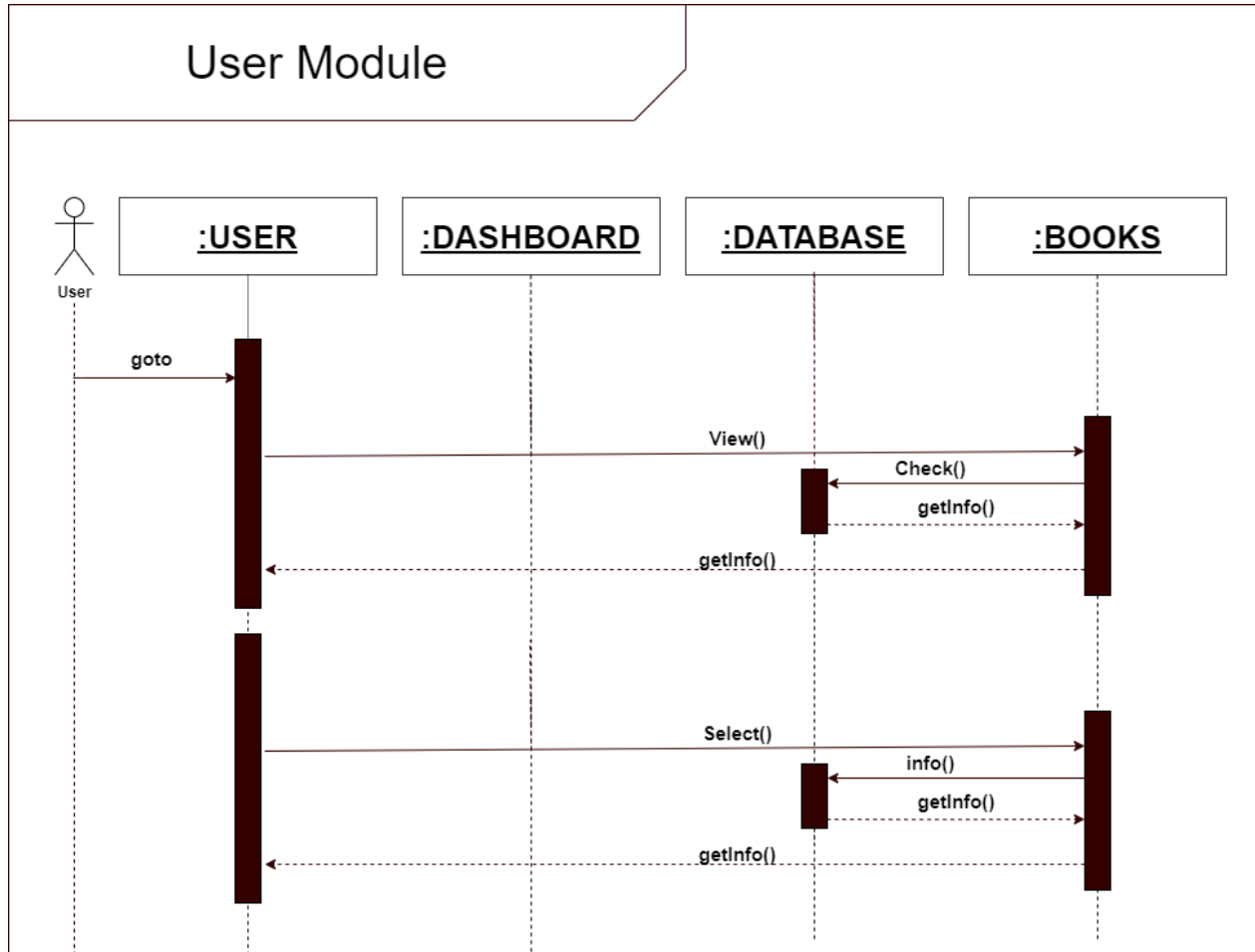


Figure 6.4.18: Registered-User Book (Sequence Diagram)

6.4.19 Visitor & Registered-User use Calculator (Sequence Diagram)

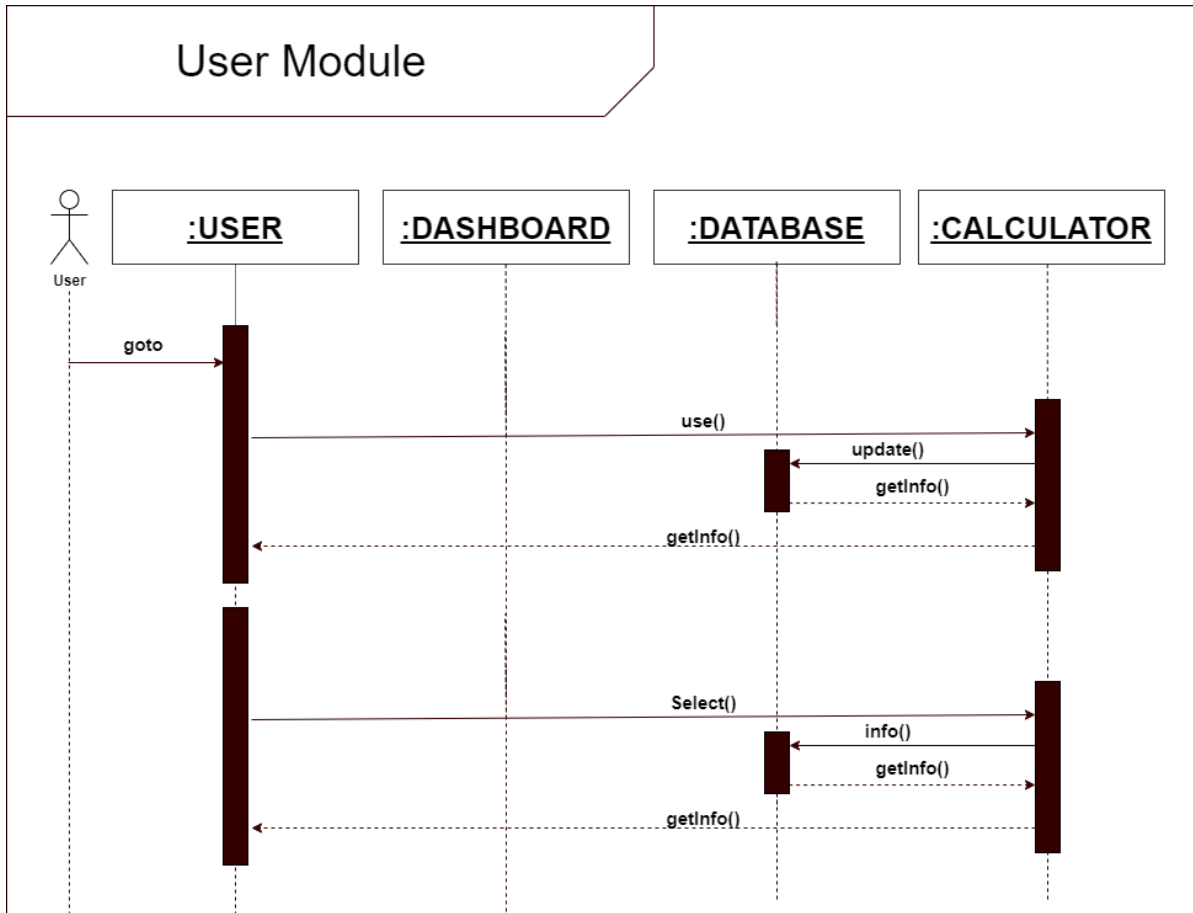


Figure 6.4.19: Visitor & Registered-User use Calculator (Sequence Diagram)

6.5 Data Flow Diagram (DFD)

6.5.1 Context Level (Admin)

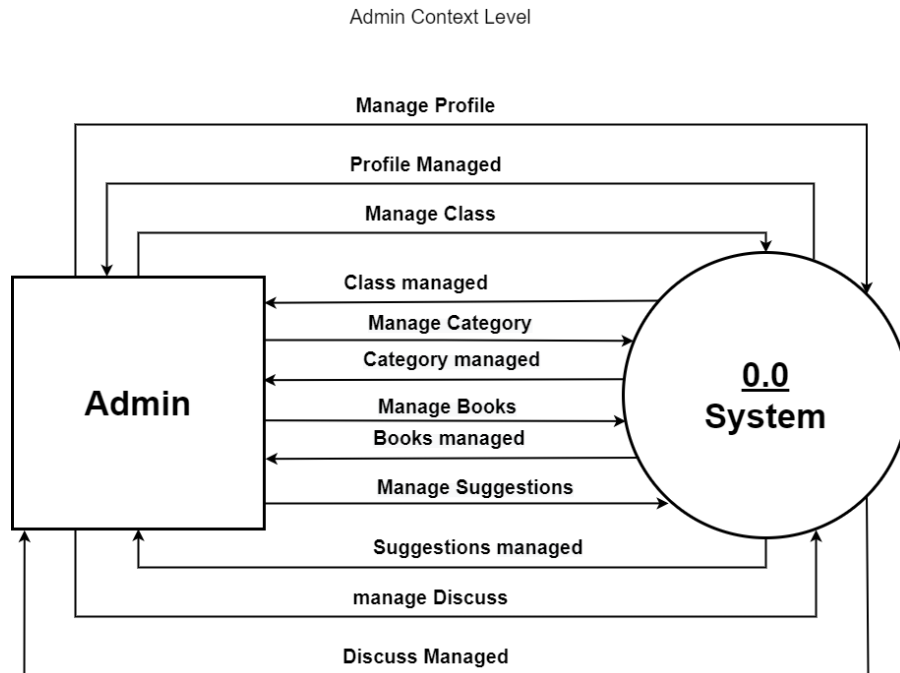


Figure 6.5.1: Context Level (Admin)

6.5.2 Context Level (visitor)

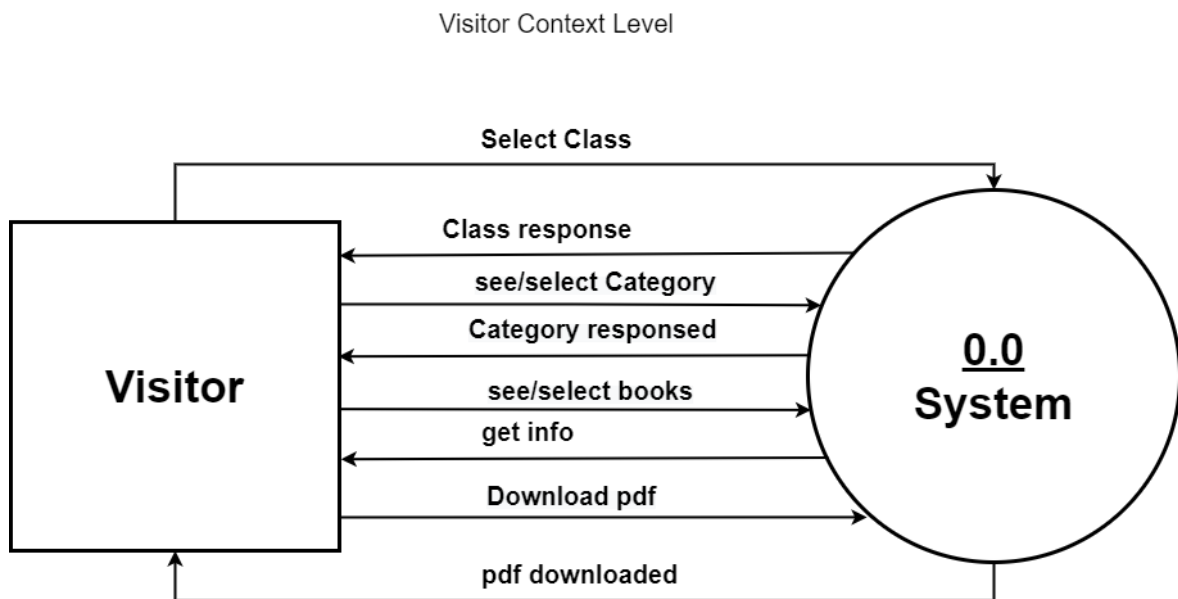


Figure 6.5.1: Context Level (Visitor)

6.5.3 Context Level (registered user)

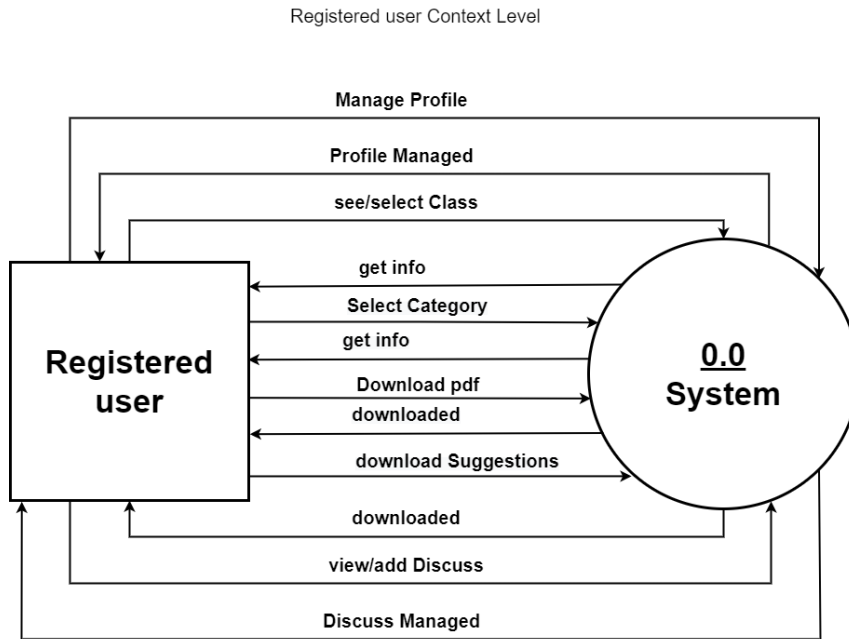


Figure 6.5.3: Context Level (registered user)

6.5.4 Level 0 DFD (visitor)

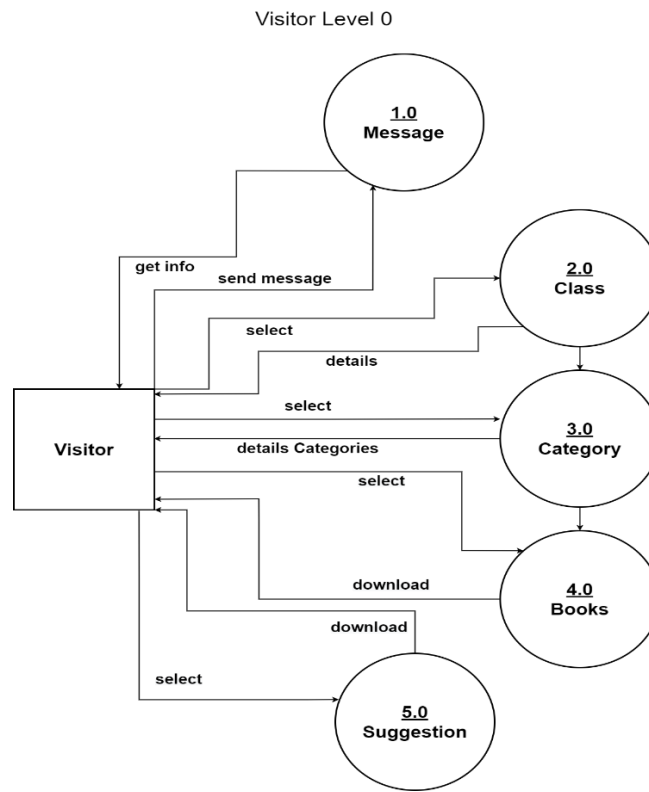


Figure 6.5.4: Level 0 DFD (visitor)

6.5.5 Level 0 DFD (admin)

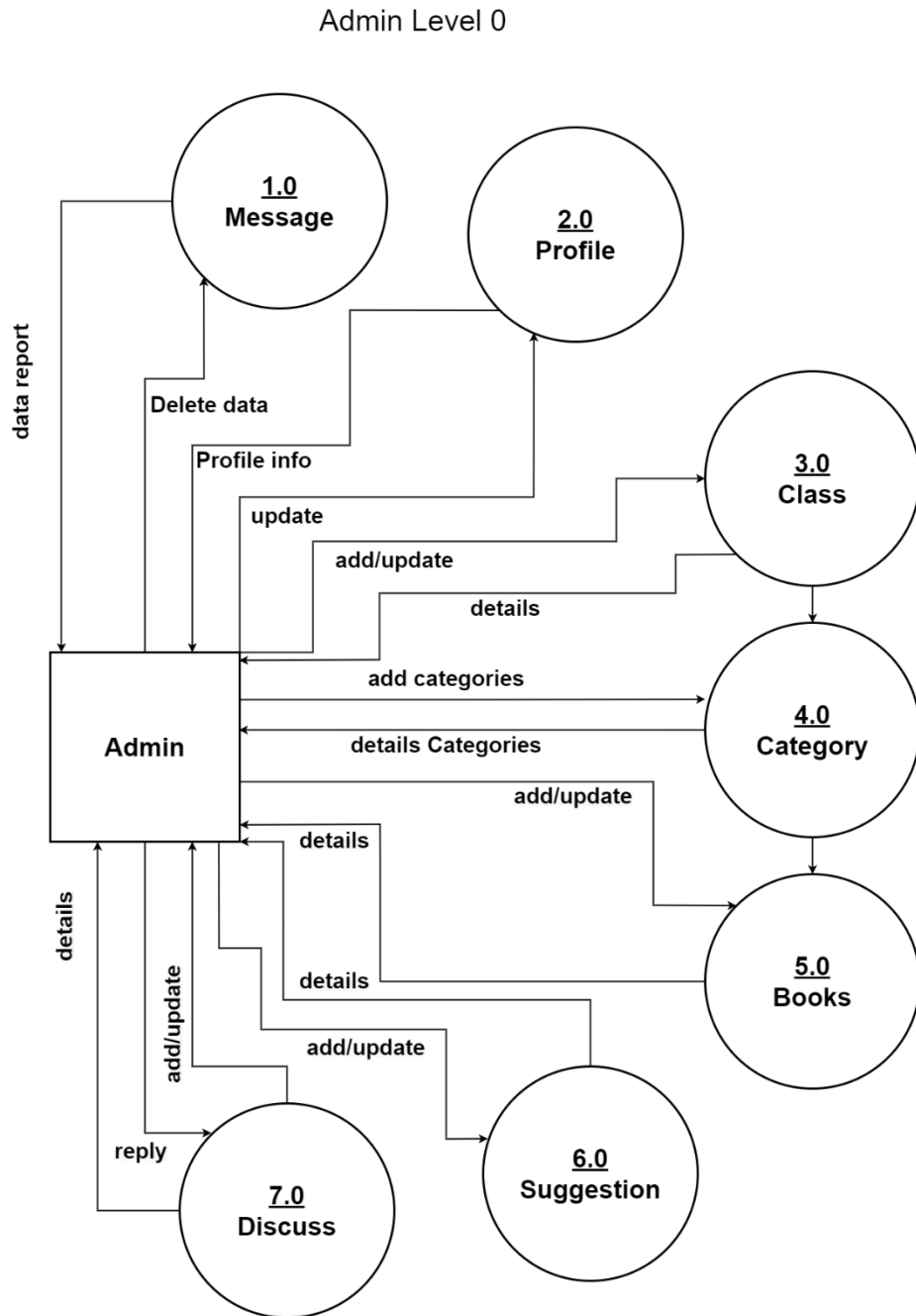


Figure 6.5.5: Level 0 DFD (admin)

6.5.6 Level 0 DFD (registered user)

Registered user Level 0

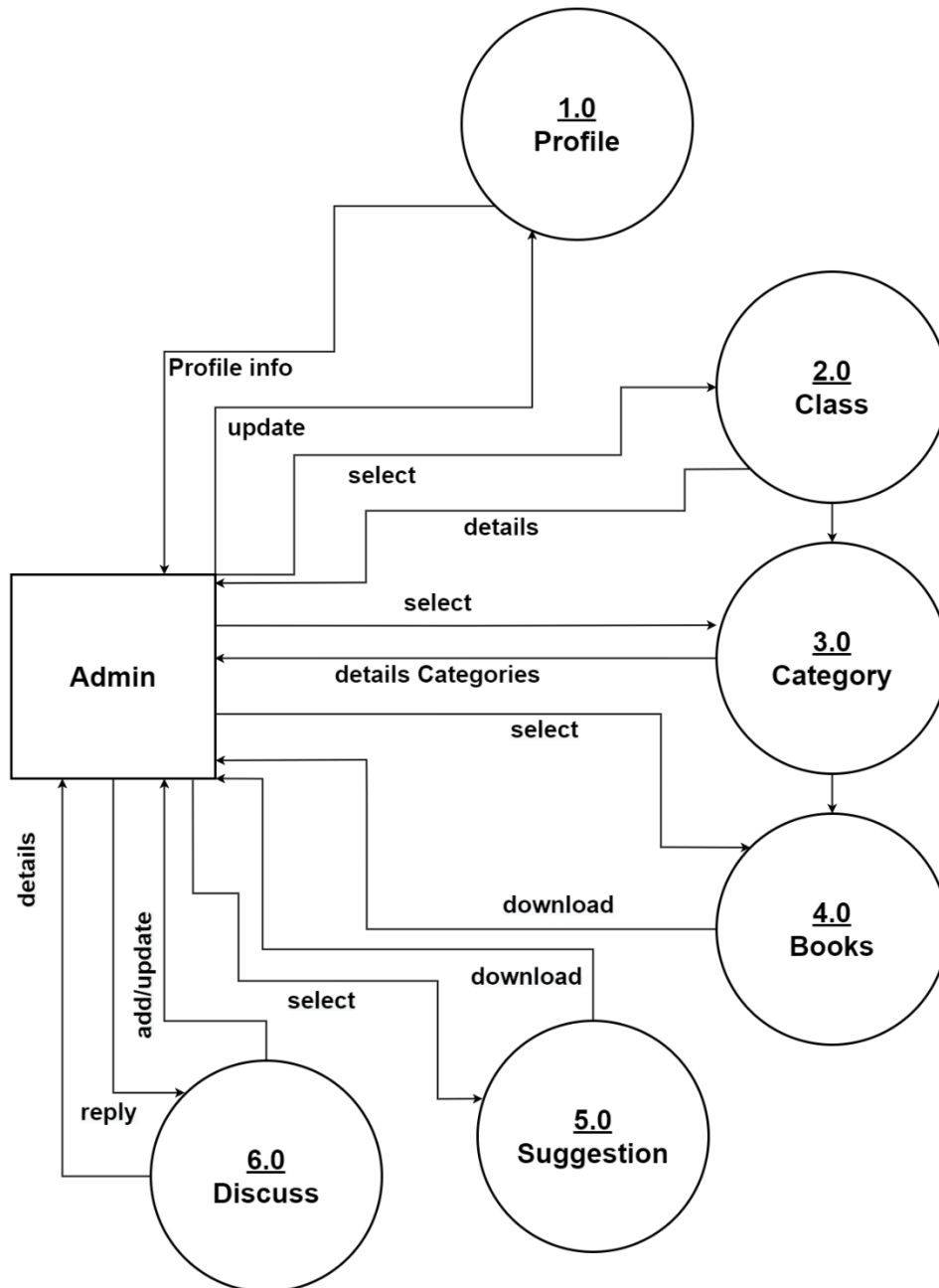


Figure 6.5.6: Level 0 DFD (registered user)

6.6 System Entity Relationship Diagram (ERD)

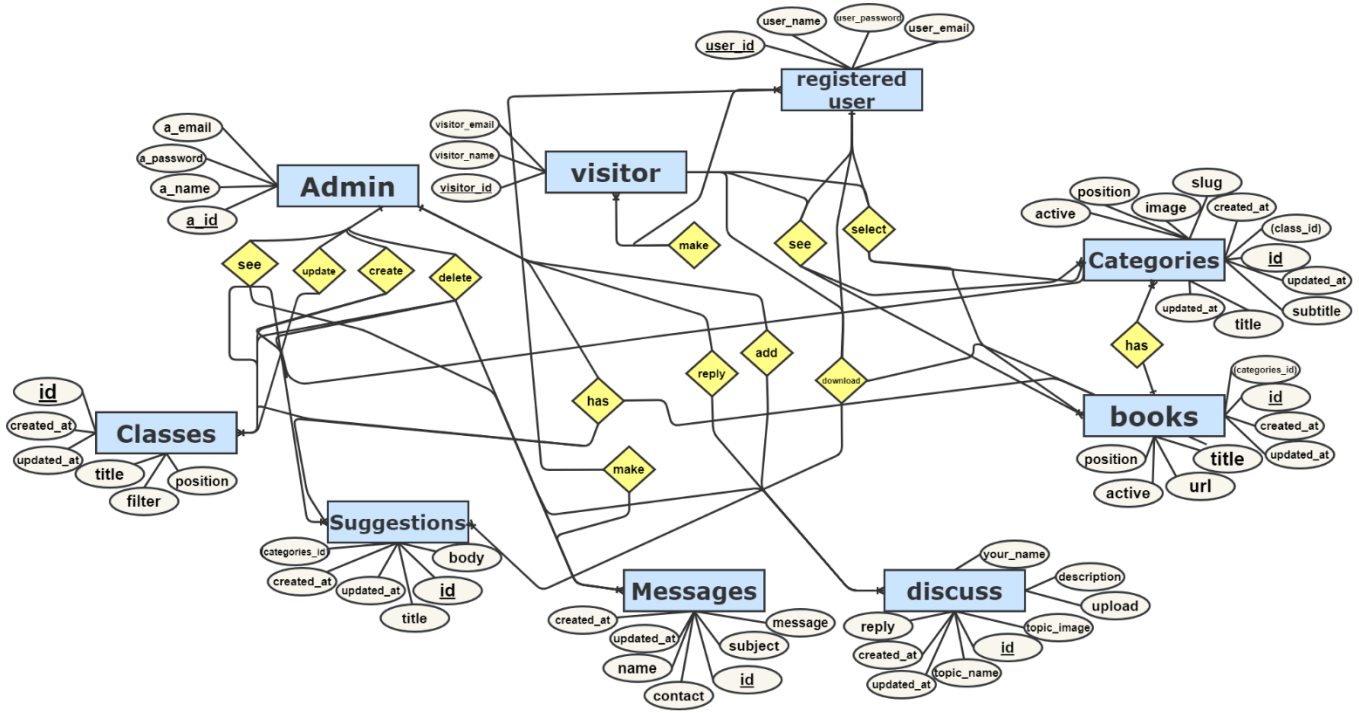


Figure 6.6: Entity Relationship Diagram.

6.7 Schema Diagram

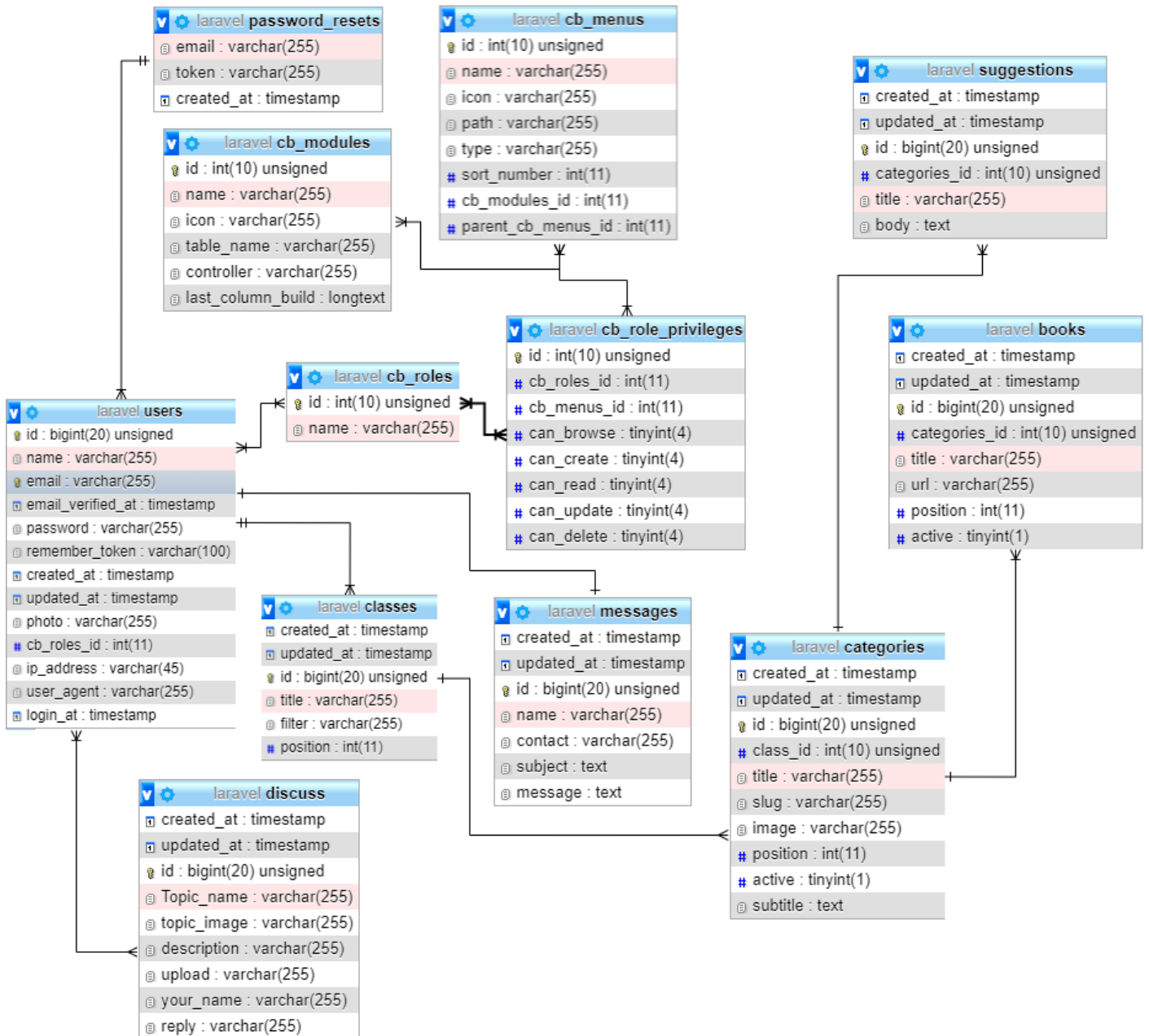


Figure 6.7: Schema Diagram

CHAPTER-07

SYSTEM TESTING

7.1 Testing-Features

Testing is a part of a good project. By testing the system, we can acknowledge the functionality what was describe on document and what is really on the system. And the system is working correctly or not. Testing features can be interpreted as a way to add more functionality to an existing project or modify it.

7.2 Features those will be test

There are some features below:

- ✚ Login
- ✚ Registration
- ✚ Manage Categories
- ✚ Manage books
- ✚ Manage classes
- ✚ Calculator module
- ✚ Discussion module
- ✚ Manage Contact/Feedback/Message
- ✚ PDF Download

7.3 Testing Strategies

In my system all kind of application is tested differently with lot of test methods. And I have collected all data testing and add on that document.

7.4 Test Approach

Without using any automation tools, I manually checked and validated each work.

7.5 Test Category

- + Integration Testing
- + Module Testing

7.6 Success/Failed-Criteria

The pass/fail test criteria will be decided by the test engineers. It would be considered a failure if a function does not perform correctly during the assessment.

7.7 Testing Environment

- + Operating System (OS).
- + Browsers.
- + Systems.
- + Applications.
- + Database servers.
- + Testing data.
- + Networks.

7.8 Test Cases

7.8.1 Testing Case NO-01 (Integration Testing)

Test-Case ID.01	Modules: User Registration.
Priority of Test: High	Testing Date: 16/05/2021
Title: Integration test	Test executed by: Badhon Kumar Sarkar
Description: checking user registration module.	Executed date of Test: 16/05/2021
Pre-Condition	User registration must be successful.
Testing-Steps	1 Go to login page 2 If You are not Registered then Registered first 3 Complete registrations with valid data
Test-Data	Successfully registered
Expected-Result	Registered successful
Result	User registration success.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition:	User registration Successfully.

Table 7.8.1: Testing-Case (User Registration.)

7.8.2 Testing Case No-02 (Integration Testing)

Test-Case ID.02	Modules: Admin & Registered user Login.
Priority of Test: High	Testing Date: 16/05.2021
Title: Admin & Registered User's Login-Verification with valid email and password.	Test executed by: Badhon Kumar Sarkar
Description: Test of Admin & Registered User's login module.	Executed date of Test: 16/05.2021
Pre-Condition	Users must have valid email and password.
Testing-Steps	<ol style="list-style-type: none"> 1.Go to the login page. 2. email & password. 3.Click Log in button.
Test-Data	Admin: Email: <u>admin@gmail.com</u> Password:12345678 Registered User: Email: <u>badhon35-2092@diu.edu.bd</u> Password:87654321
Expected-Result	Admin & Registered User should successfully able to login in.
Result	Admin & Registered User logged in successfully.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Logged in Successfully.

Table 7.8.2: Testing-Case (Admin &Registered User Login).

7.8.3 Testing Case No-03 (Module Testing)

Test-Case ID.03	Modules: Admin Manage Classes.
Priority of Test: High	Testing Date: 16/05.2021
Title: ADMIN CAN MANAGE THE CLASS MODULE	Test executed by: Badhon Kumar Sarkar
Description: here admin can add, delete, edit, view the class module.	Executed date of Test: 16/05.2021
Pre-Condition:	Admin must be successfully managing that module.
Testing-Steps	1 Click on the class menu 2 Click on add/view/edit/delete button 3 Click on update button.
Test-Data	Successfully managed this module
Expected-Result:	Success to manage class module
Result	Managing successful.
Test Status (Fail/Pass)	Pass.
Test Post-Condition	Admin must manage the module Successfully.

Table 7.8.3: Testing-Case (Admin manage Classes).

7.8.4 Testing Case No-04 (Module Testing)

Testcase ID.04	Modules: Admin Manage Categories.
Priority of Test: High	Testing Date: 16/05.2021
Title: Admin can manage the category	Test executed by: Badhon Kumar Sarkar
Description: here admin can add, delete, edit, view the category module.	Executed date of Test: 16/05.2021
Pre-Condition	Admin must be successfully managing that module.
Testing-Steps	1 Click on the category menu 2 Click on add/view/edit/delete button 3 Click on update button.
Test-Data	Successfully managed this module
Expected-Result	Success to manage category module
Result	Managing successful.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Admin must manage the module Successfully.

Table 7.8.4: Testing-Case (Admin manage Categories.)

7.8.5 Testing Case No-05 (Module Testing)

Testcase ID.05	Modules: Admin Manage Books.
Priority of Test: High	Testing Date:
Title: Admin can manage books.	Test executed by: Badhon Kumar Sarkar
Description: here admin can add, delete, edit, view the books module.	Executed date of Test: 16/05.2021
Pre-Condition	Admin must be successfully managing that module.
Testing-Steps	Click on the book's menu Click on add/view/edit/delete button Click on update button.
Test-Data	Successfully managed this module
Expected-Result	Success to manage category module
Result	Managing successful.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Admin must manage the module Successfully.

Table 7.8.5: Testing-Case (Admin Manage Books)

7.8.6 Testing Case No-06 (Module Testing)

Testcase ID.06	Modules: Calculator Module.
Priority of Test: High	Testing Date: 16/05/2021
Title: calculate module	Test executed by: Badhon Kumar Sarkar
Description: User Can use the Calculator Module.	Executed date of Test: 16/05/2021
Pre-condition	User can easily use that section
Testing-Steps	1 Click on the calculator menu 2 Calculator pages will appear
Test-Data	It shows the right results.
Expected-Result	successful
Result	successful
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Logged in Successfully.

Table 7.8.6: Testing-Case (Visitor &Registered User can use Calculator Module)

7.8.7 Testing Case No-07 (Module Testing)

Testcase ID.07	Modules: Admin Manage Discussion Module.
Priority of Test: High	Testing Date: 16/06/2021
Title: Admin can manage the discussion.	Test executed by: Badhon Kumar Sarkar
Description: here admin can add, delete, edit, view the module.	Executed date of Test: 16/06/2021
Pre-condition	Admin must be successfully managing that module.
Testing-Steps	1 Click on the discuss menu 2 Click on add/view/edit/delete button 3 Click on update button.
Test-Data	Successfully managed this module
Expected-Result	Success to manage category module
Result	Managing successful.
Test Status (Fail/Pass)	Pass.
Test Post-Condition	Admin must manage the module Successfully.

Table 7.8.7: Testing-Case (Admin Manage Discussion Module).

7.8.8 Testing Case No-08 (Module Testing)

Testcase ID.08	Modules: Admin Manage Feedback.
Priority of Test: High	Testing Date: 16/05/2021
Title: Admin can manage the feedback	Test executed by: Badhon Kumar Sarkar
Description: here admin can add, delete, edit, view the module.	Executed date of Test: 16/06/2021
Pre-Condition	Admin must be successfully managing that module.
Testing-Steps	1 Click on the message menu 2 Click on add/view/edit/delete button 3 Click on update button.
Test-Data	Successfully managed this module
Expected-Result	Success to manage category module
Result	Managing successful.
Test Status (Fail/Pass)	Pass.
Test Post-Condition	Admin must manage the module Successfully.

Table 7.8.8: Testing-Case (Admin Manage Feedback)

7.8.9 Testing Case No-09 (Module Testing)

Test-Case ID.09	Module name: pdf download
Test Priority: High	Test Date: 16/06/2021
Test Title: pdf downloading process.	Test executed by: Badhon Kumar Sarkar
Description: Visitor & Registered Users can download all resource and pdf.	Test executed date: 16/06/2021
Pre-Condition	Visitors & Registered Users have to follow the process.
Test-Steps	1 Go to the any resources 2 Click on download 3 It will appear on pdf and start download
Test-Data	Download data successful
Expected-Results	Downloaded Successfully
Actual-Result	Downloaded Successfully
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.9: Testing-Case (Admin Visitor & Registered Users can download all resource and pdf.)

CHAPTER-08

USER INTERFACE

8.1 Admin Login Page

The admin will login with their email and password on this tab.

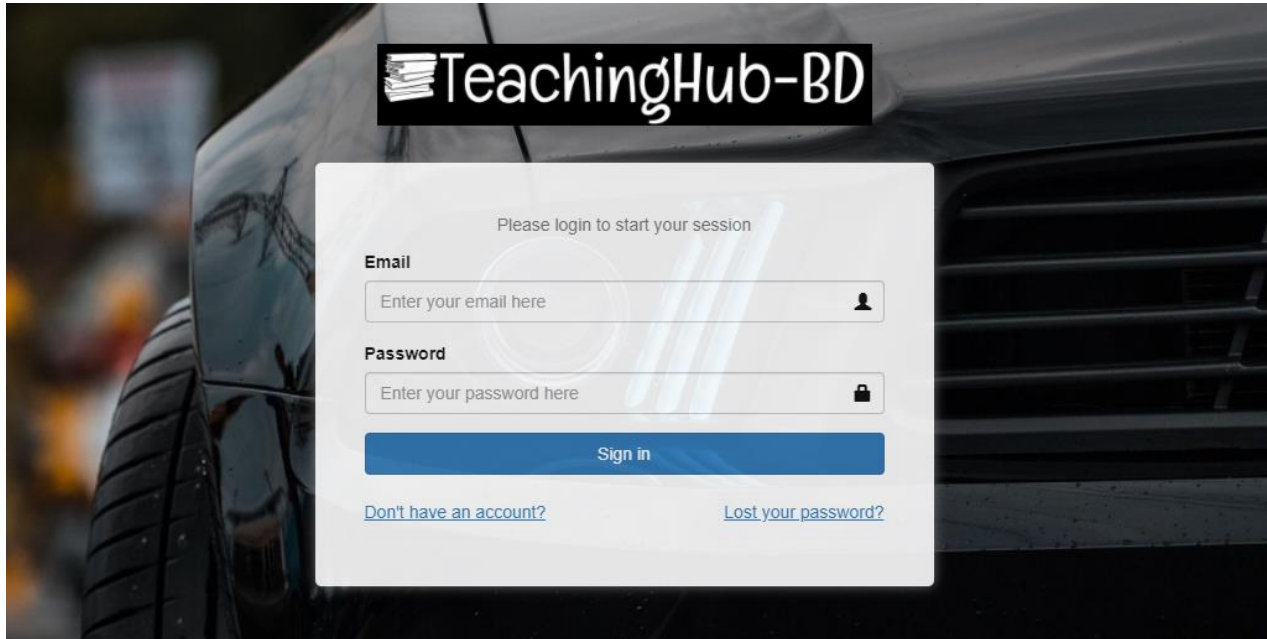


Figure 8.1 UI (Login Page for Admin)

8.2 Admin Dashboard

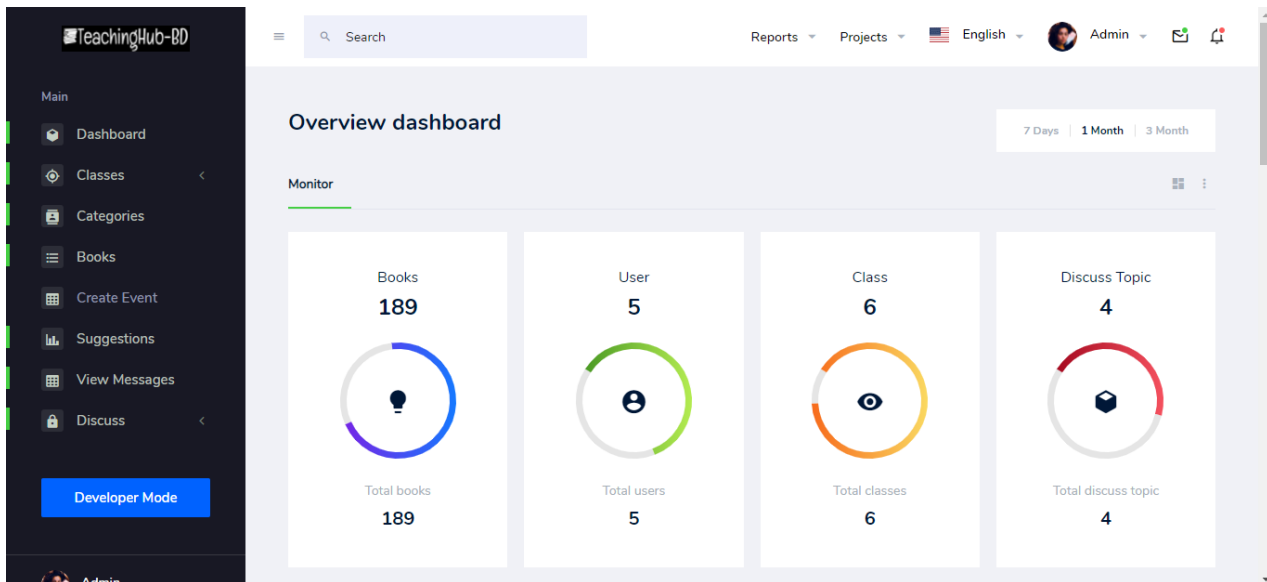


Figure 8.2 UI (Admin Dashboard)

8.3 Admin Manage Classes

8.3.1 Add Classes

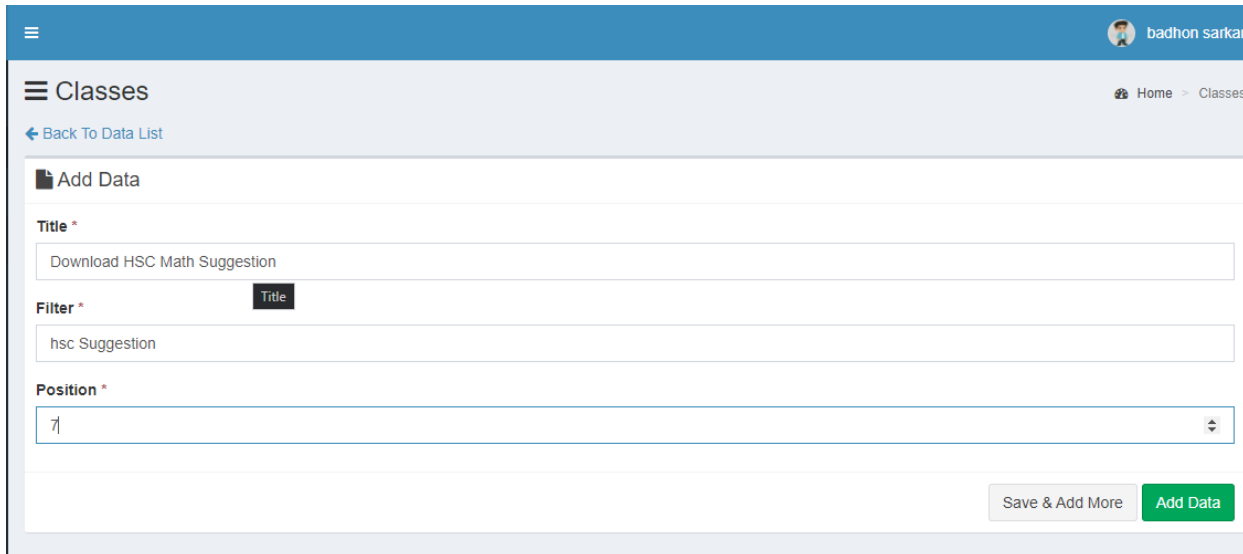
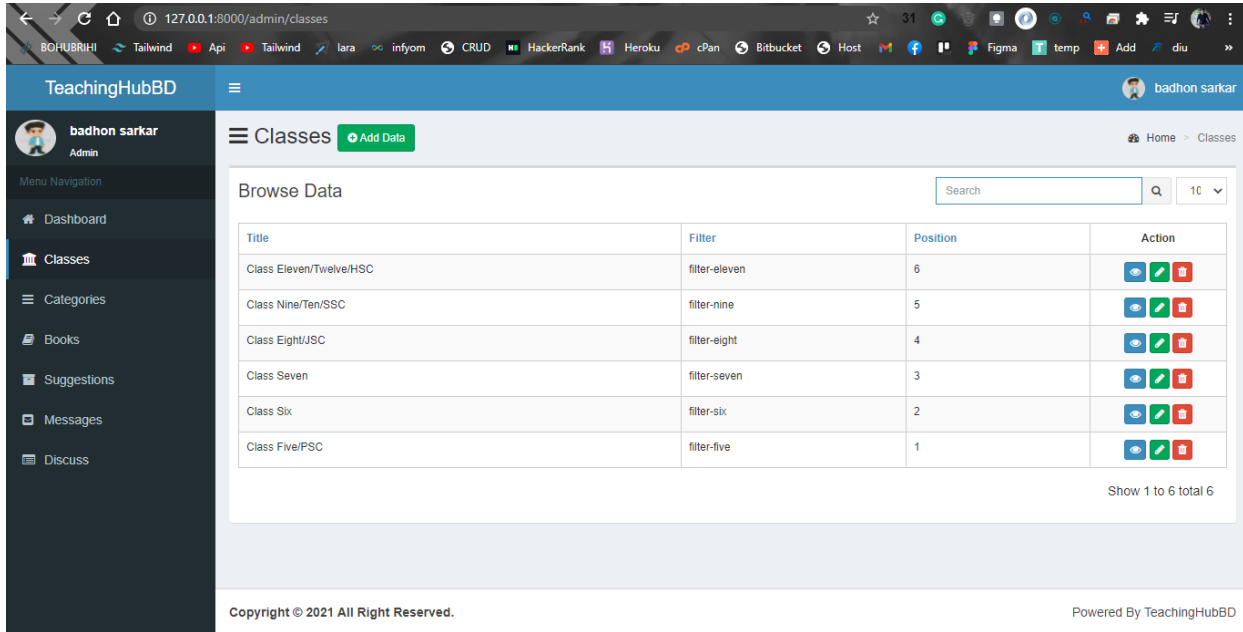


Figure 8.3.1 UI (Add class)

8.3.2 View Classes

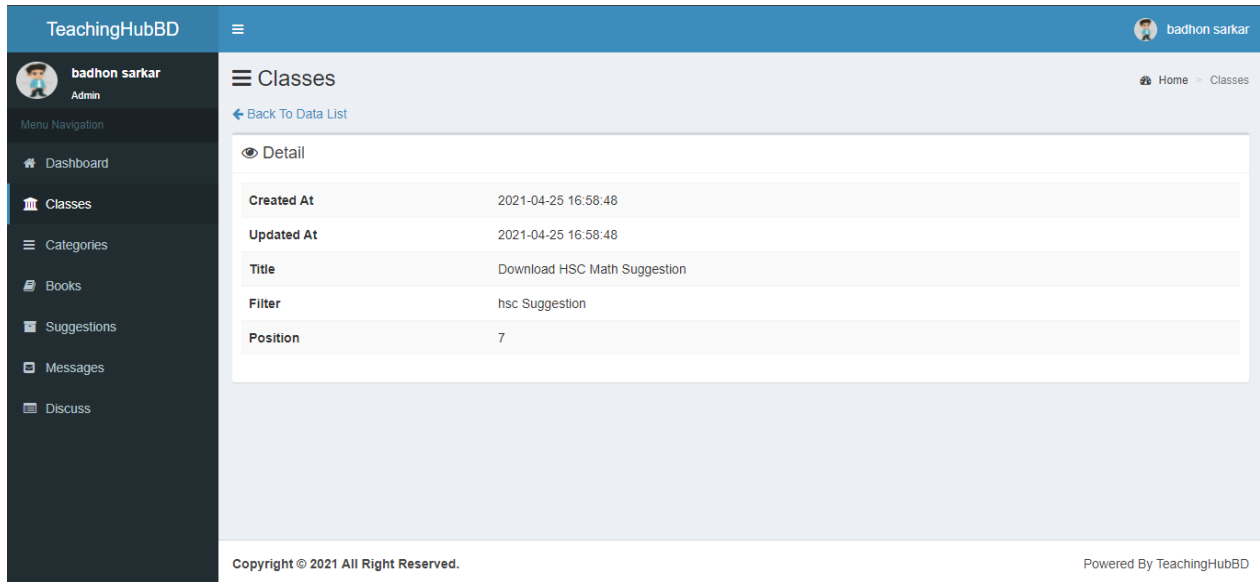


Figure 8.3.2 UI (View Class)

8.3.3 Edit Classes

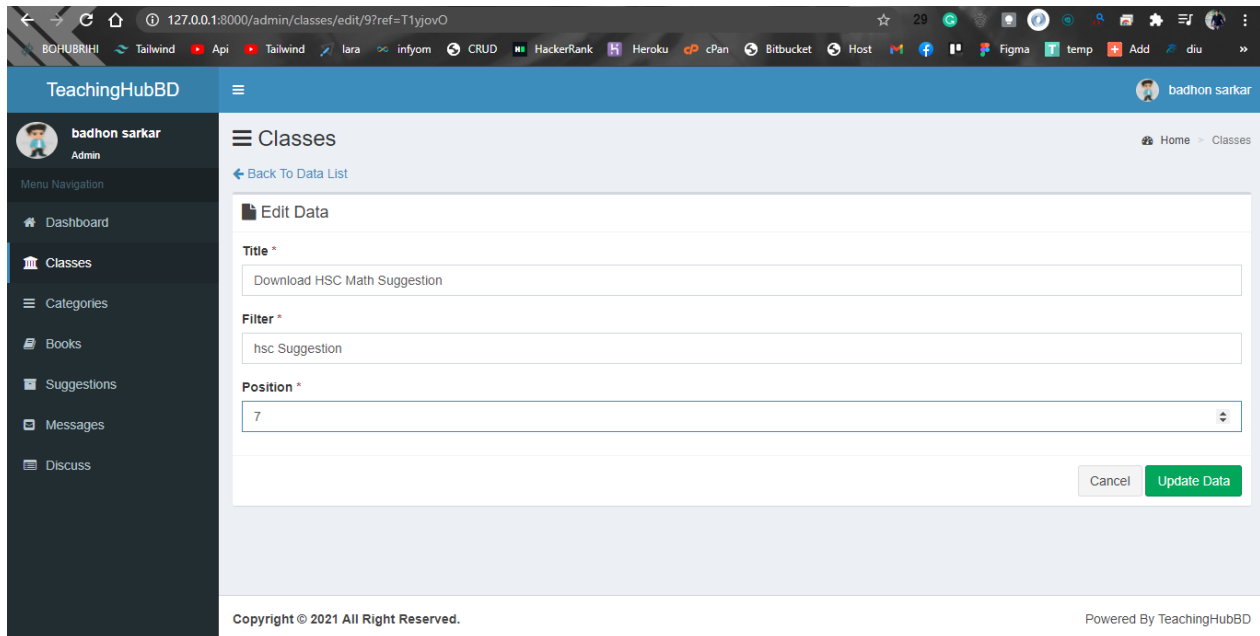


Figure 8.3.3 UI (Edit Class)

8.3.4 Delete Classes

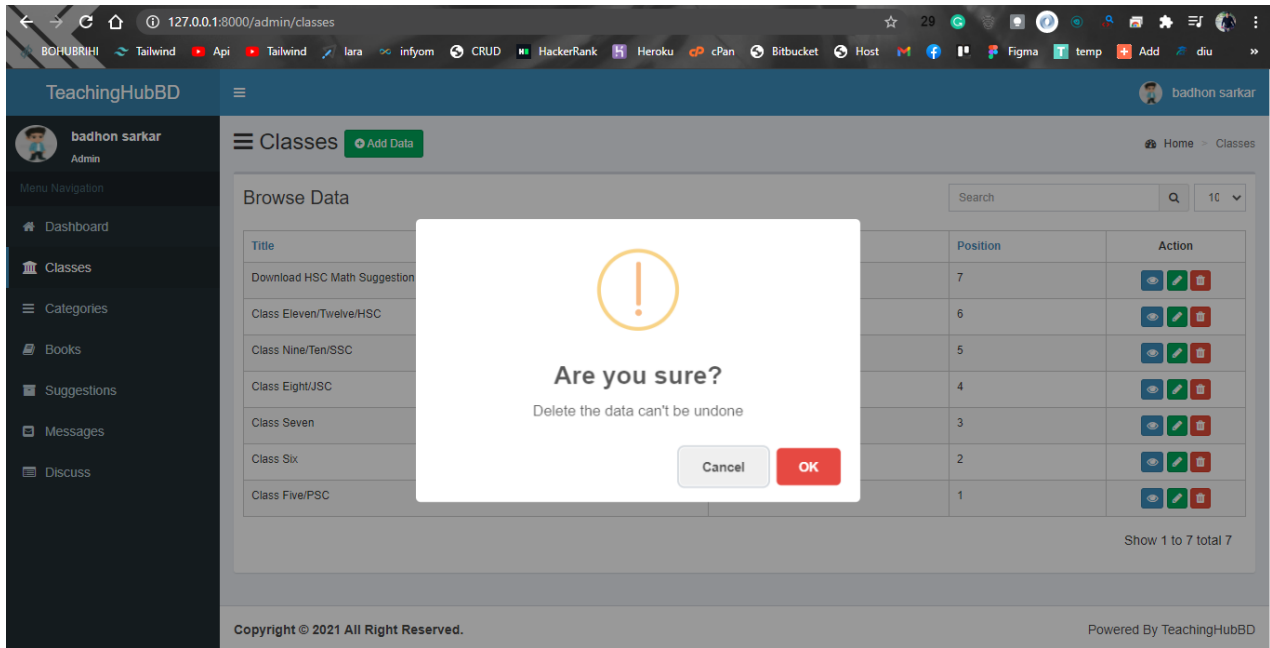


Figure 8.3.4 UI (Delete Classes)

8.4 Admin Manage Categories

8.4.1 Add Categories

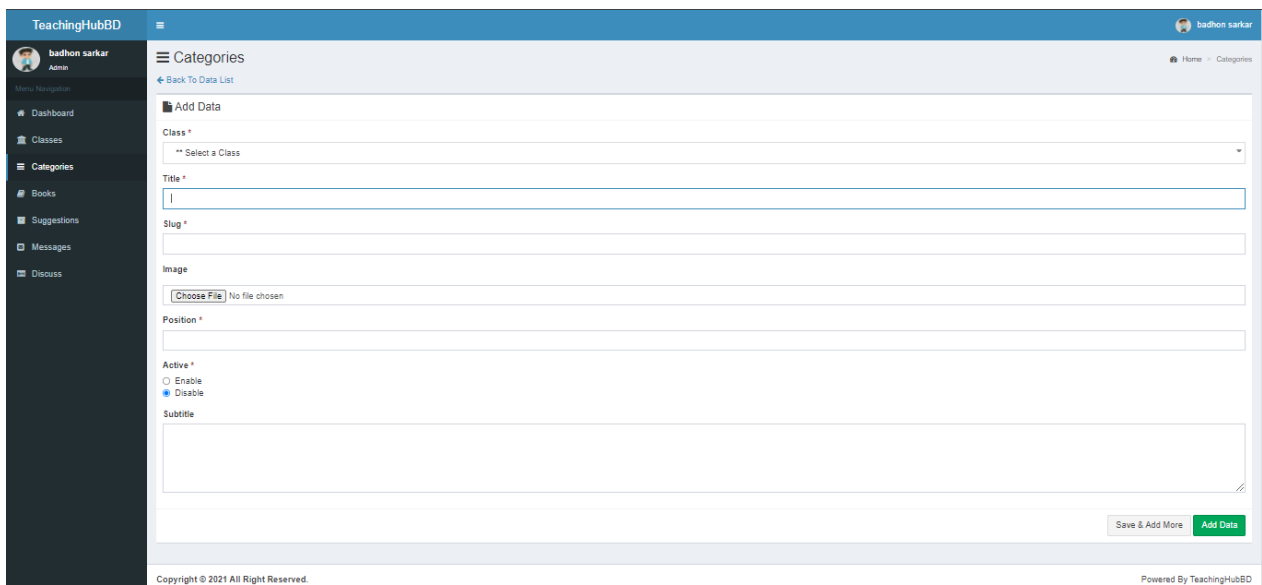
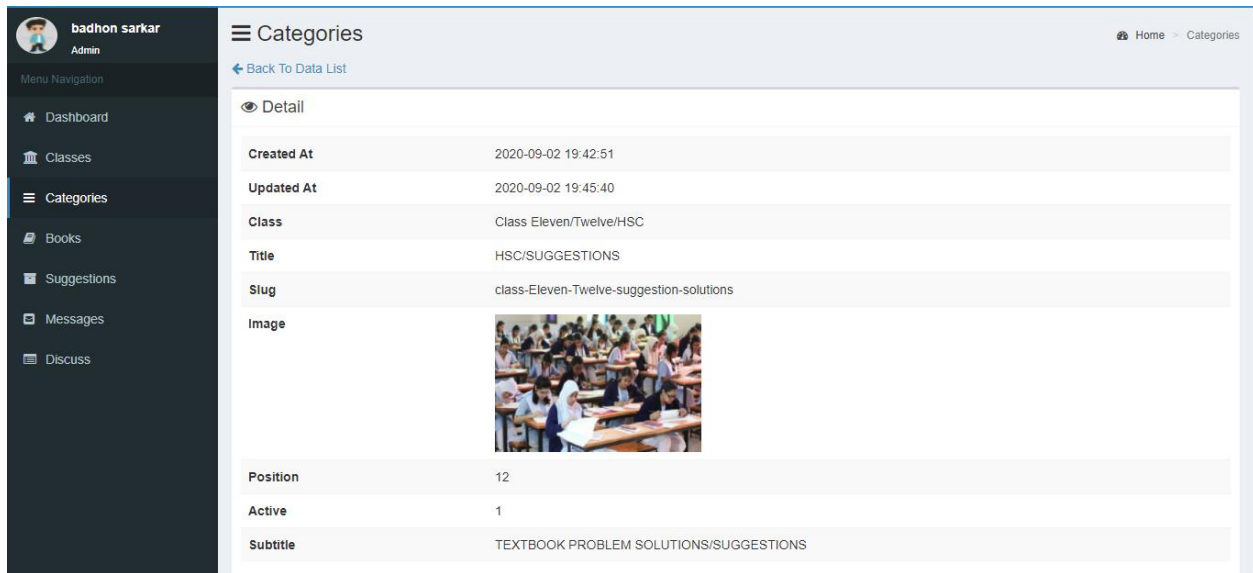


Figure 8.4.1 UI (Add Categories)

8.4.2 View Categories




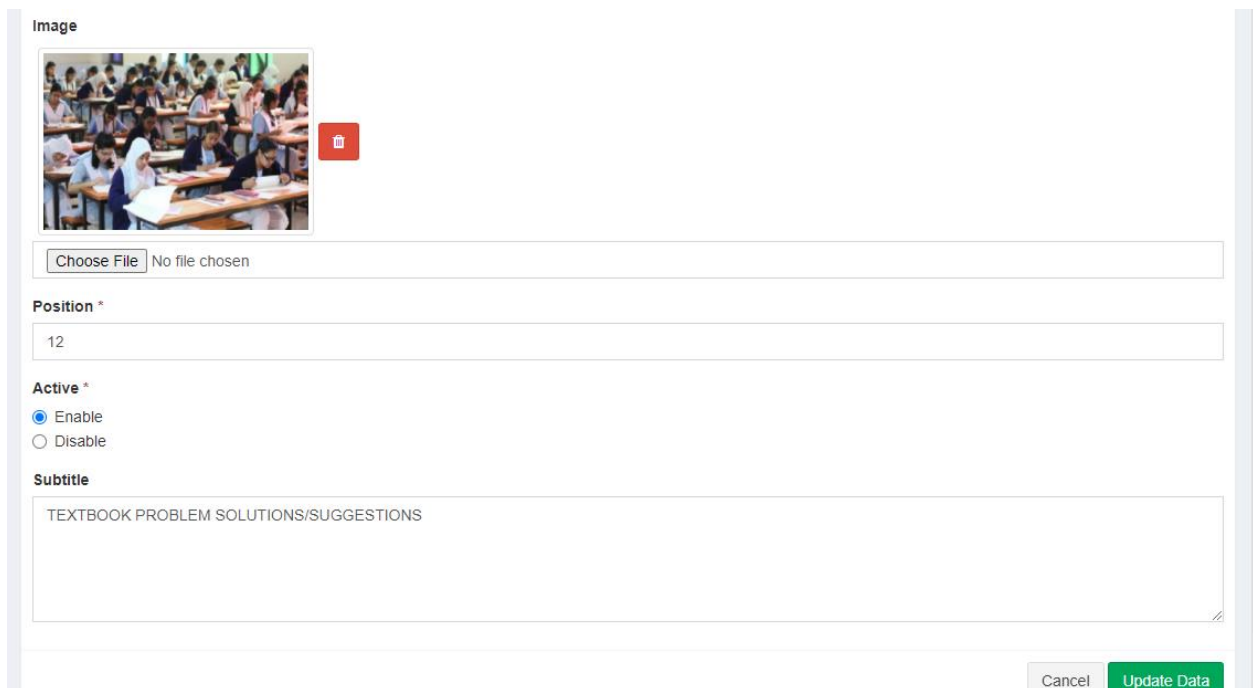


Detail	
Created At	2020-09-02 19:42:51
Updated At	2020-09-02 19:45:40
Class	Class Eleven/Twelve/HSC
Title	HSC/SUGGESTIONS
Slug	class-Eleven-Twelve-suggestion-solutions
Image	
Position	12
Active	1
Subtitle	TEXTBOOK PROBLEM SOLUTIONS/SUGGESTIONS

Figure 8.4.2 UI (View Categories)

8.4.3 Edit Categories



Image

Choose File No file chosen

Position ^{*}

12

Active ^{*}

Enable
 Disable

Subtitle

TEXTBOOK PROBLEM SOLUTIONS/SUGGESTIONS

Cancel Update Data

Figure 8.4.3 UI (Edit Categories)

8.4.4 Delete Categories

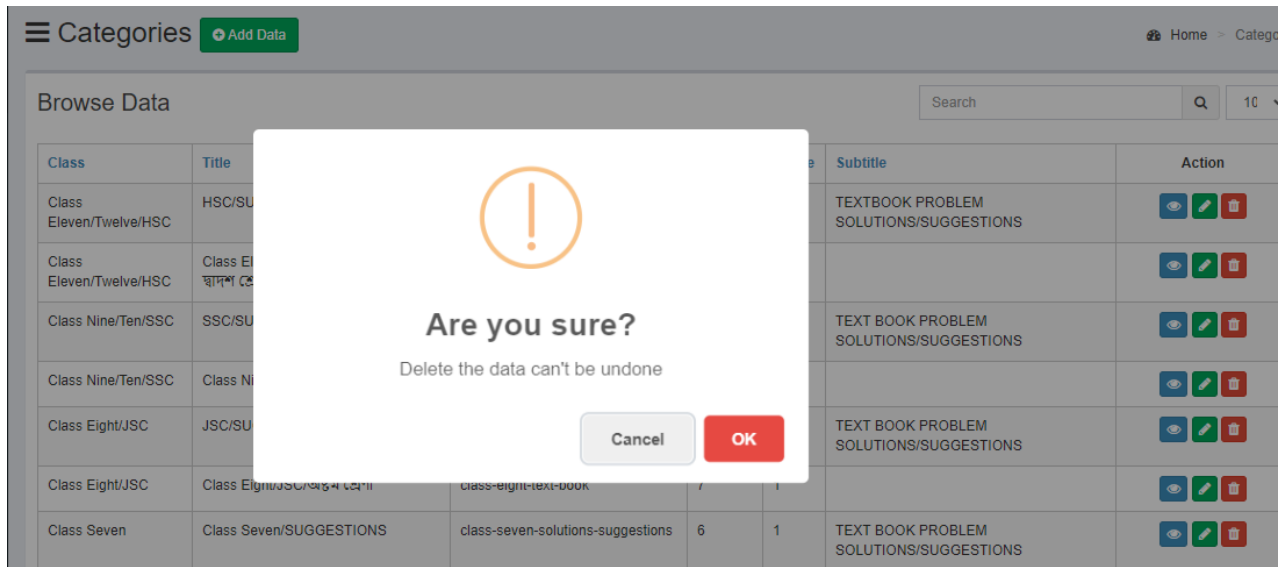
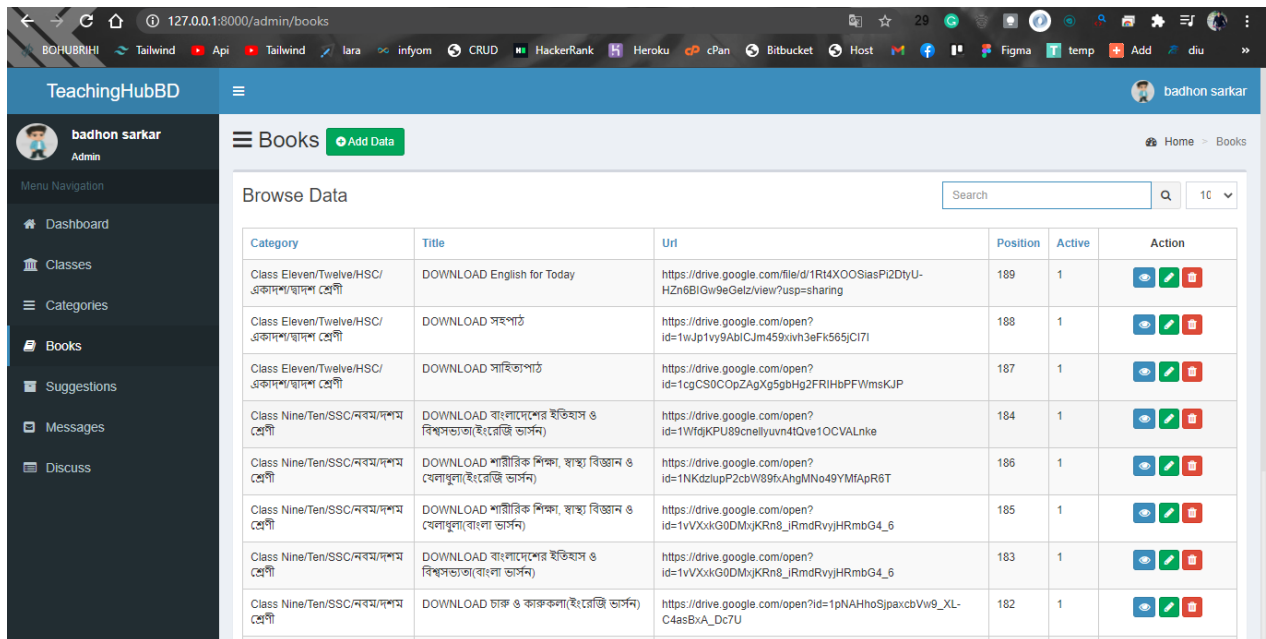


Figure 8.4.4 UI (Delete Categories)

8.5 Admin Manage Books

8.5.1 Add Books



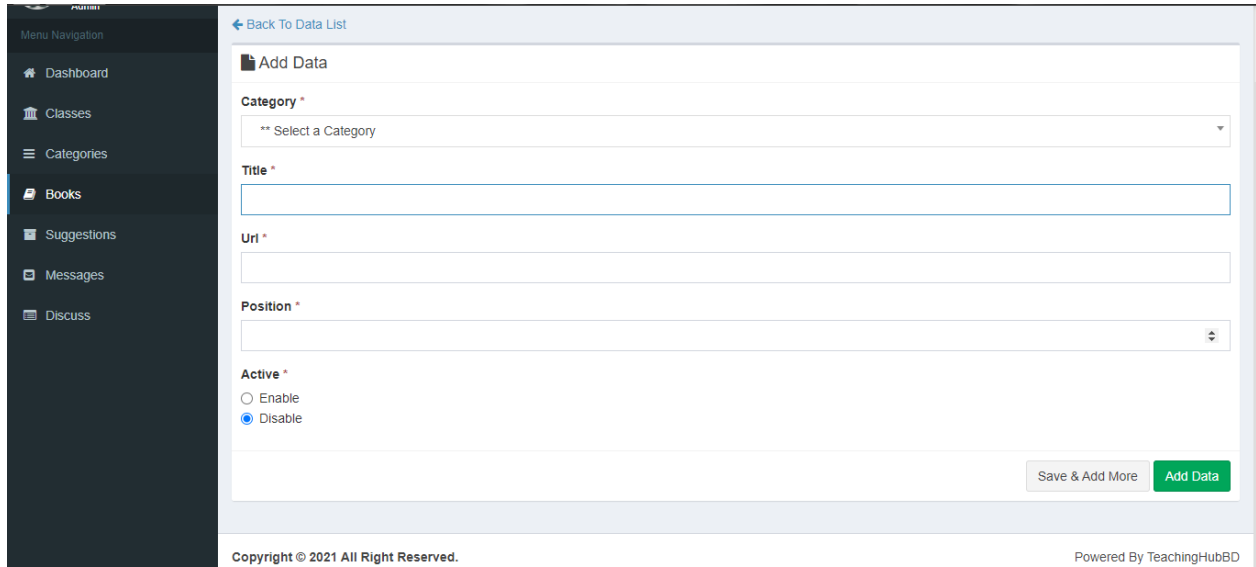


Figure 8.5.1 UI (Add Books)

8.5.2 View Books

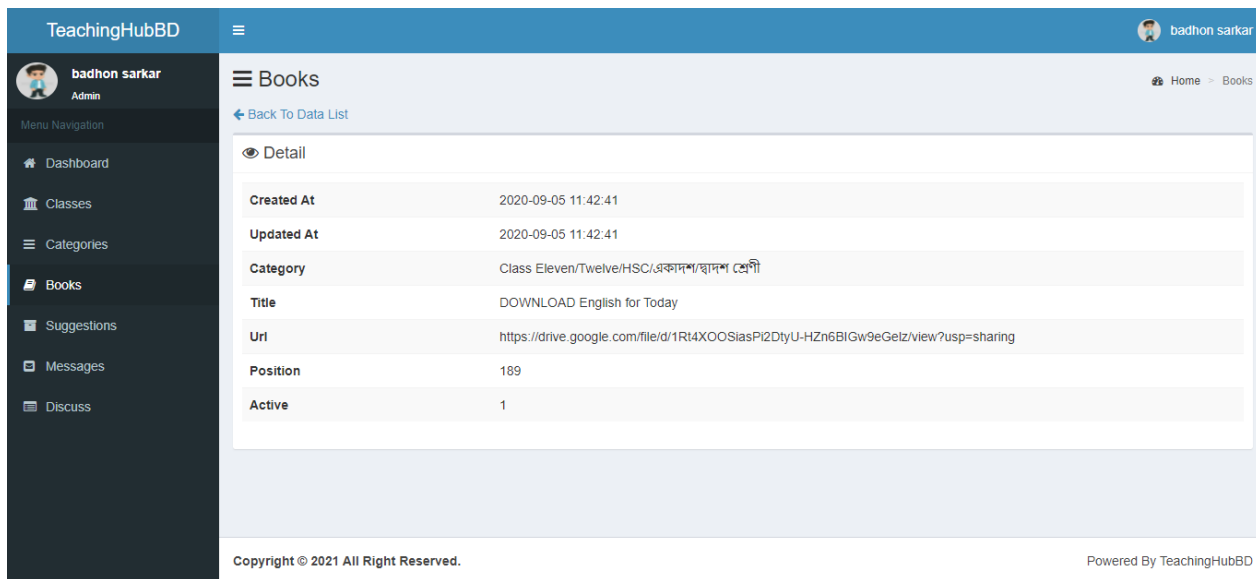


Figure 8.5.2 UI (View Books)

8.5.3 Edit Books

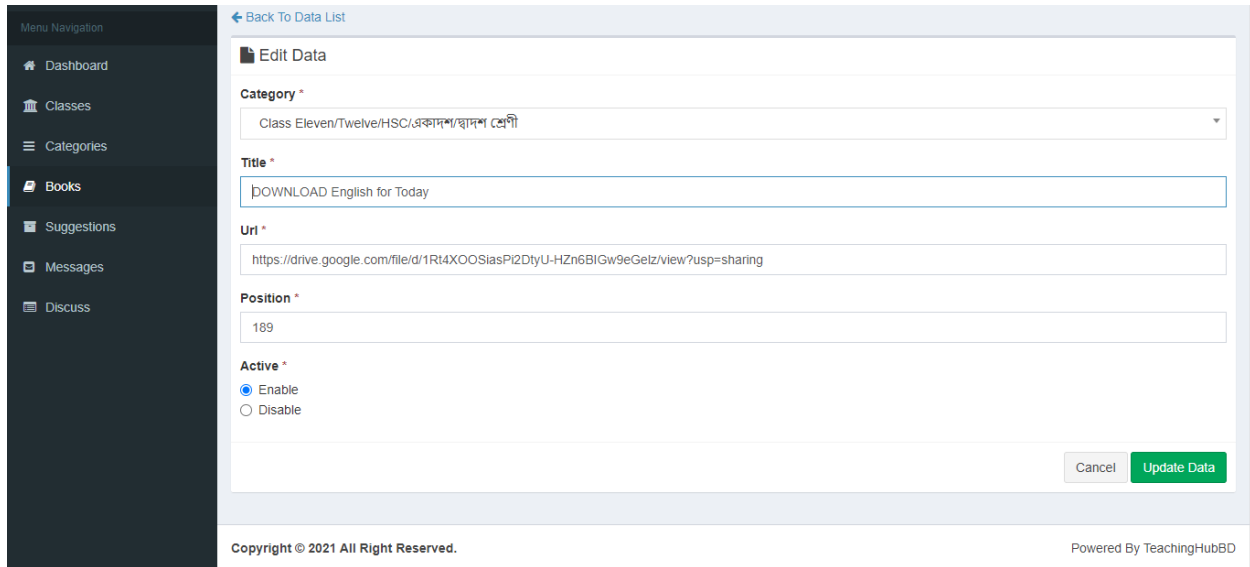


Figure 8.5.3 UI (Edit Books)

8.5.4 Delete Books

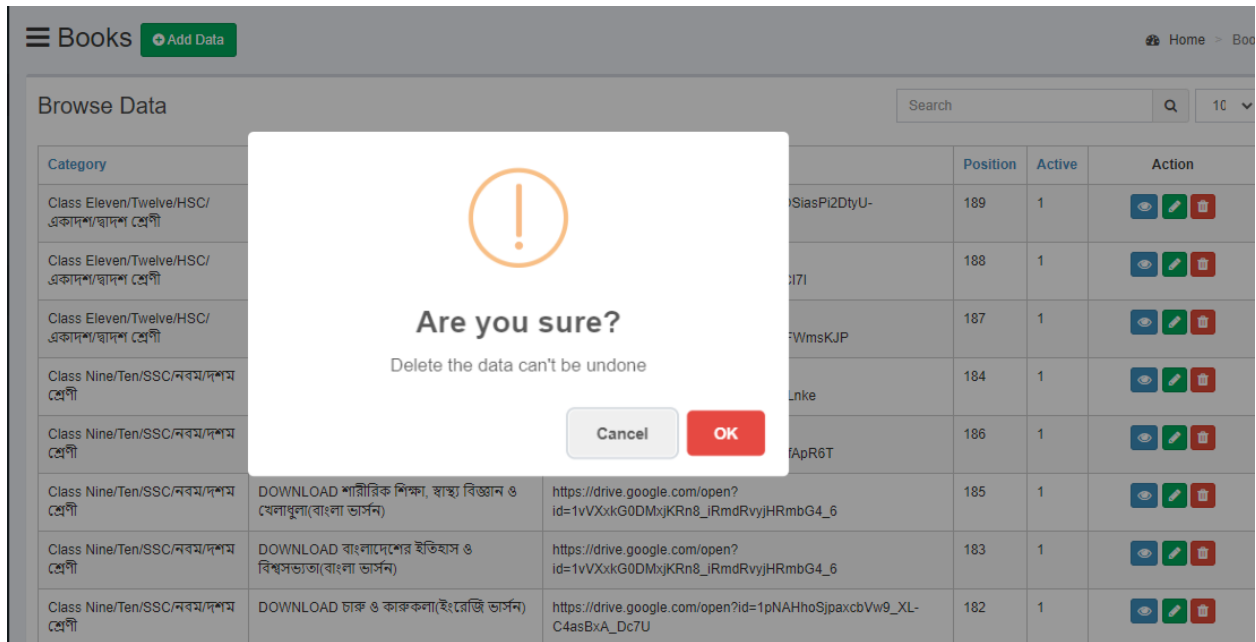


Figure 8.5.4 UI (Delete Books)

8.6 Admin Manage Suggestions

8.6.1 Add Suggestions

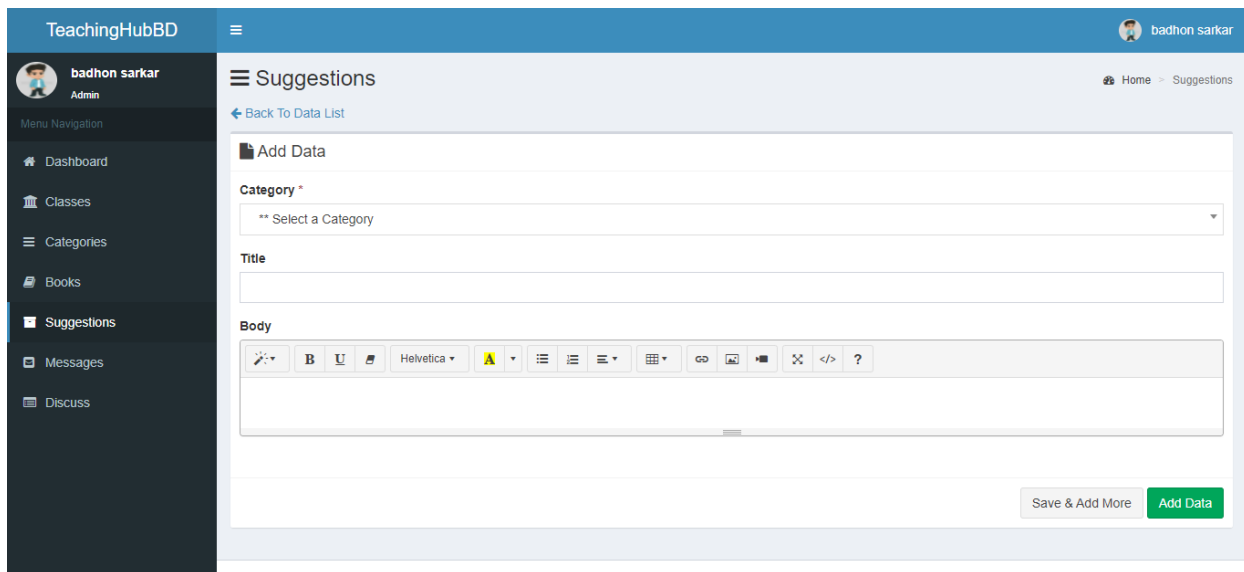


Figure 8.6.1 UI (Add Suggestions)

8.6.2 View Suggestions

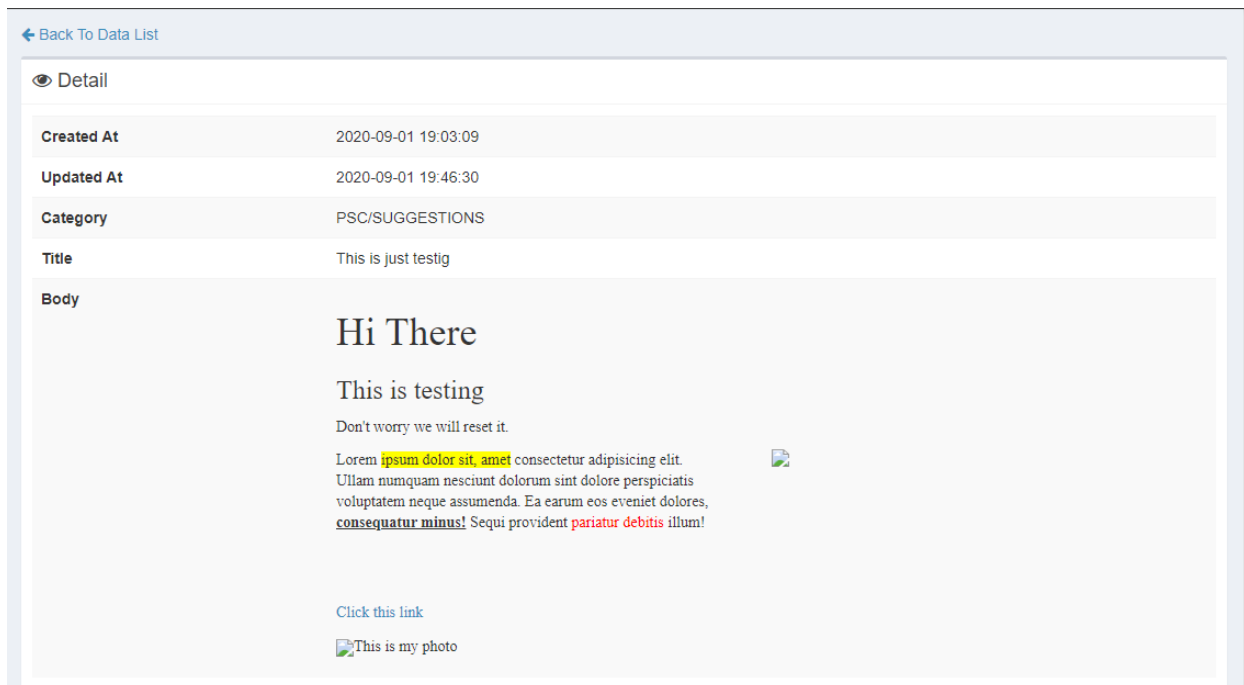


Figure 8.6.2 UI (View Suggestions)

8.6.3 Edit Suggestions

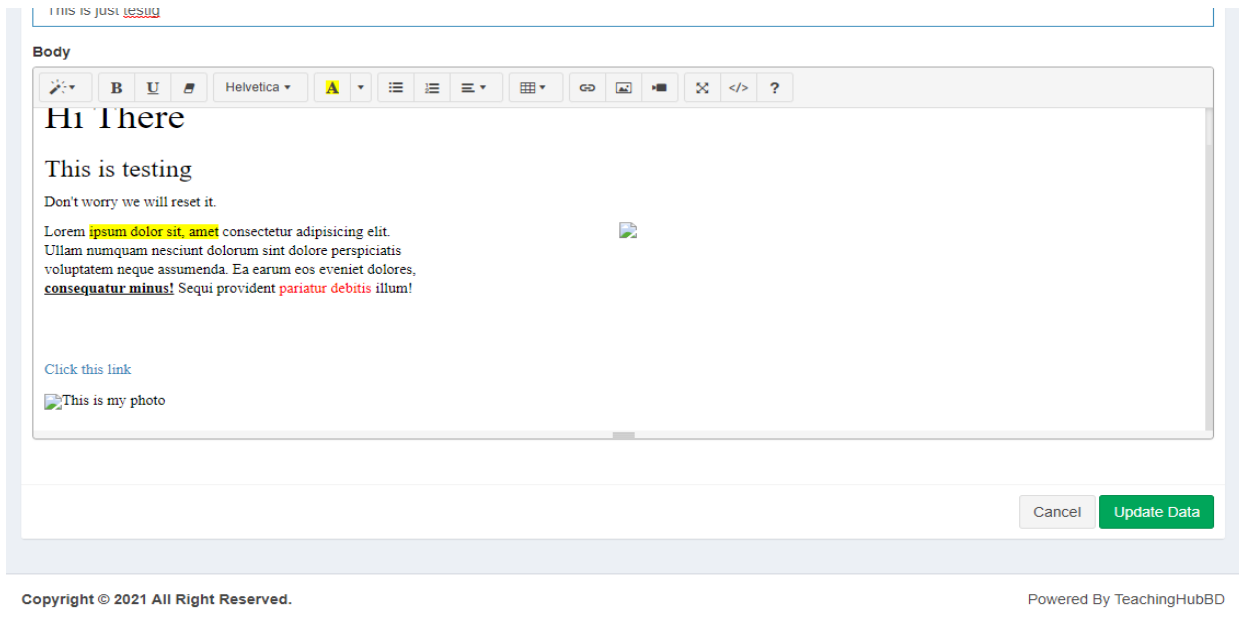


Figure 8.6.3 UI (Edit Suggestions)

8.6.4 Delete Suggestions

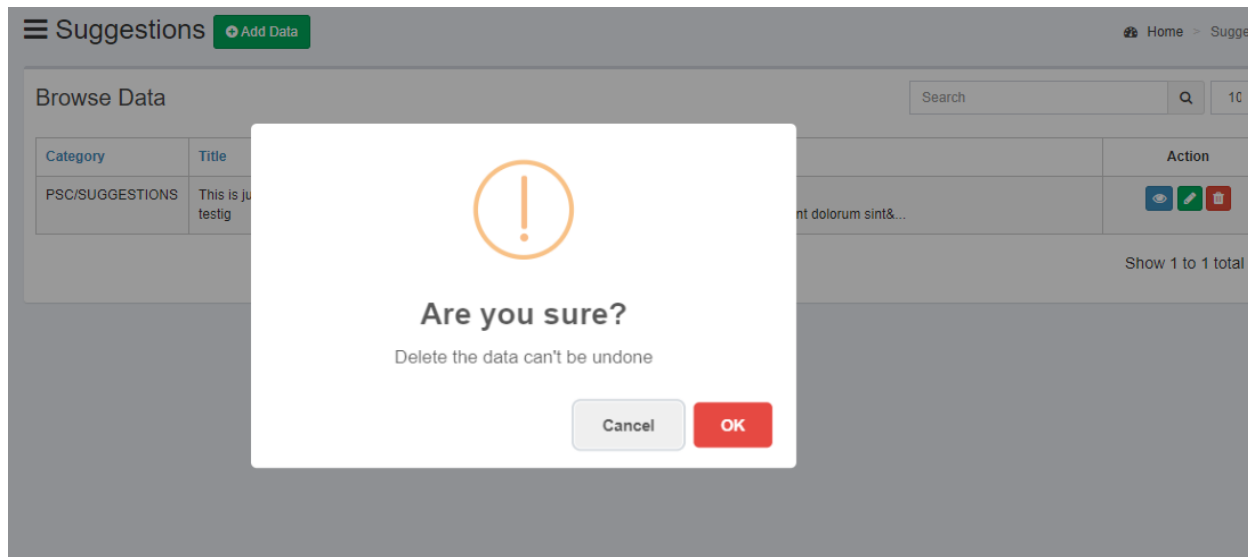


Figure 8.6.4 UI (Delete Suggestions)

8.7 Admin Manage Message

8.7.1 View Message

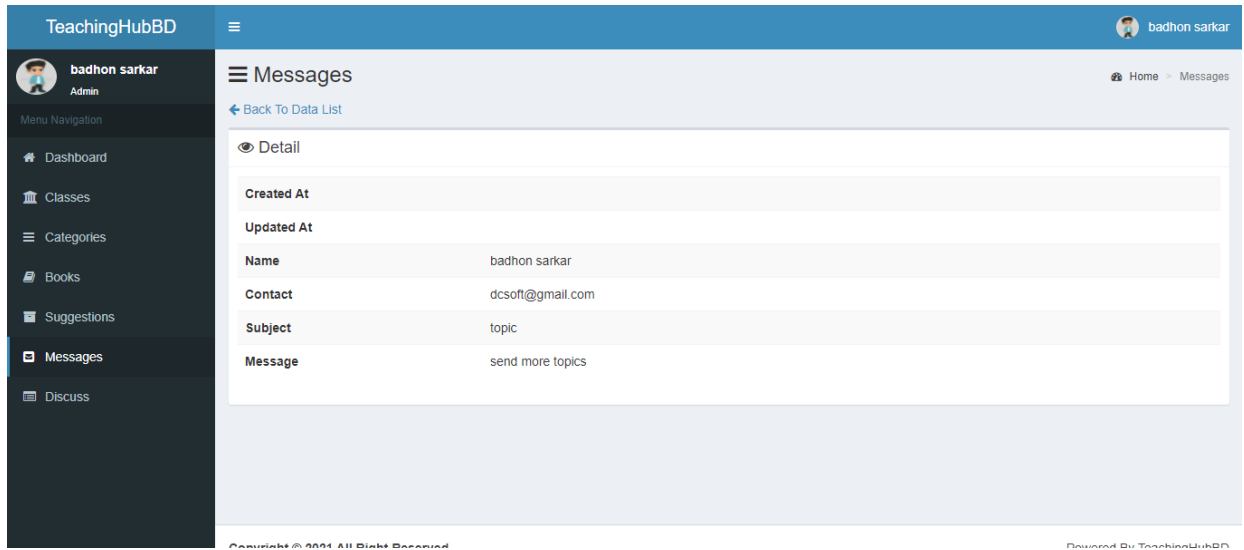
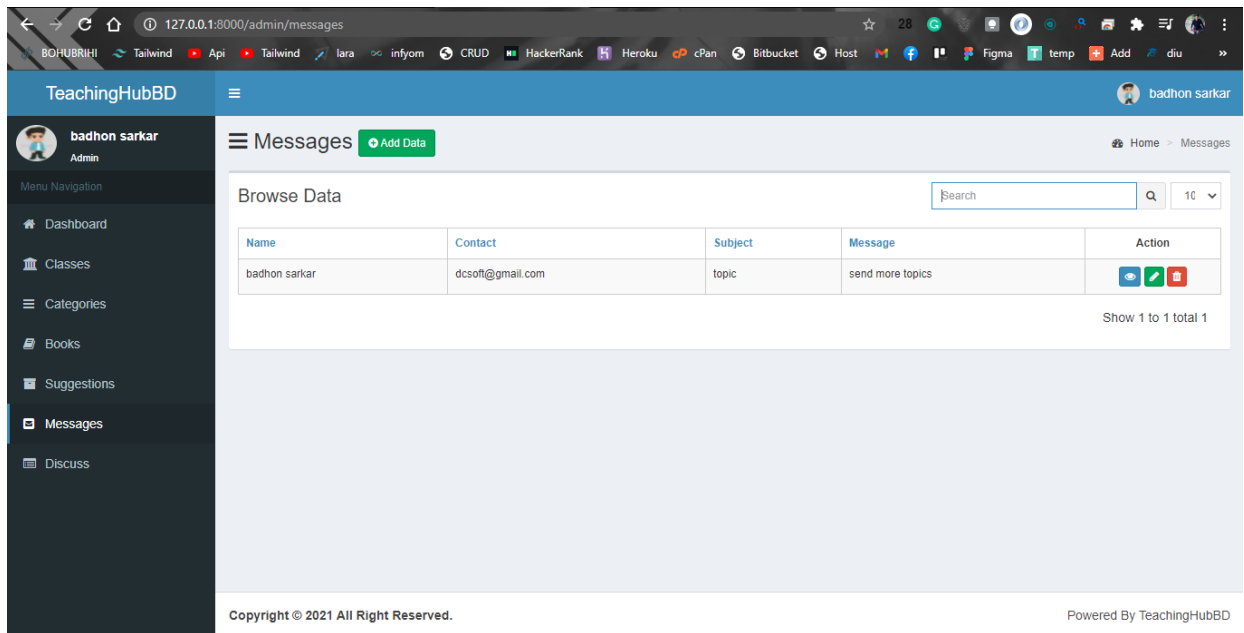


Figure 8.7.1 UI (View Message)

8.7.2 Delete Message

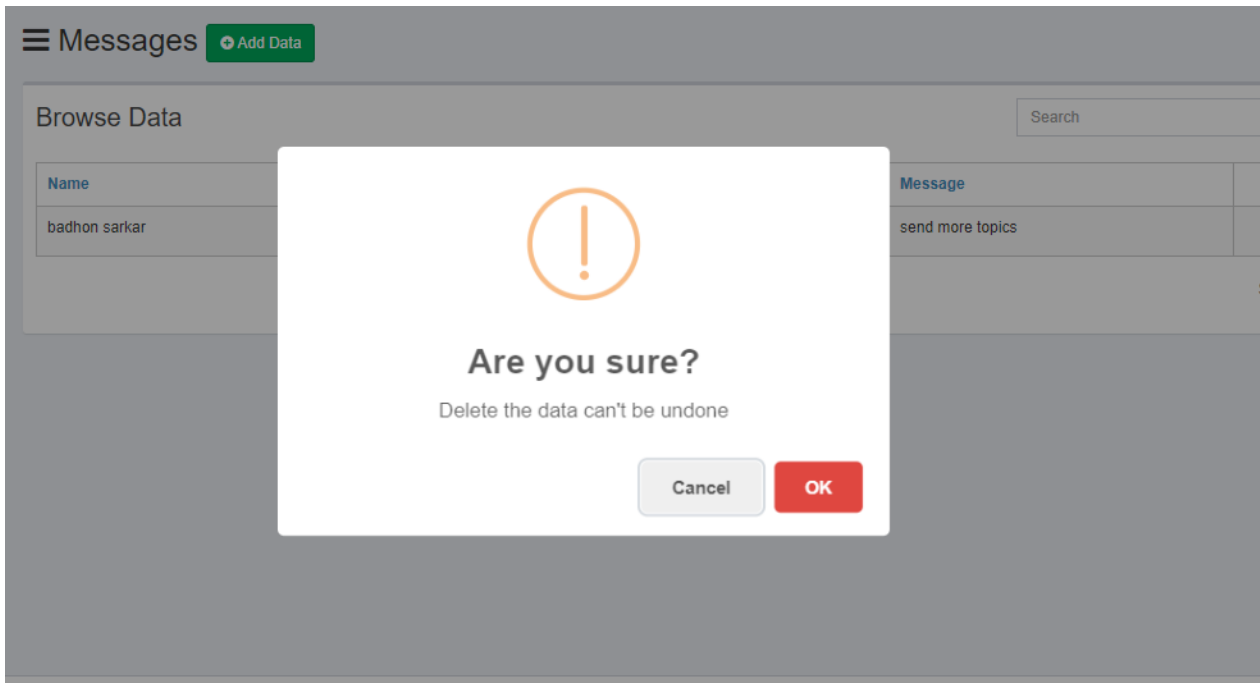
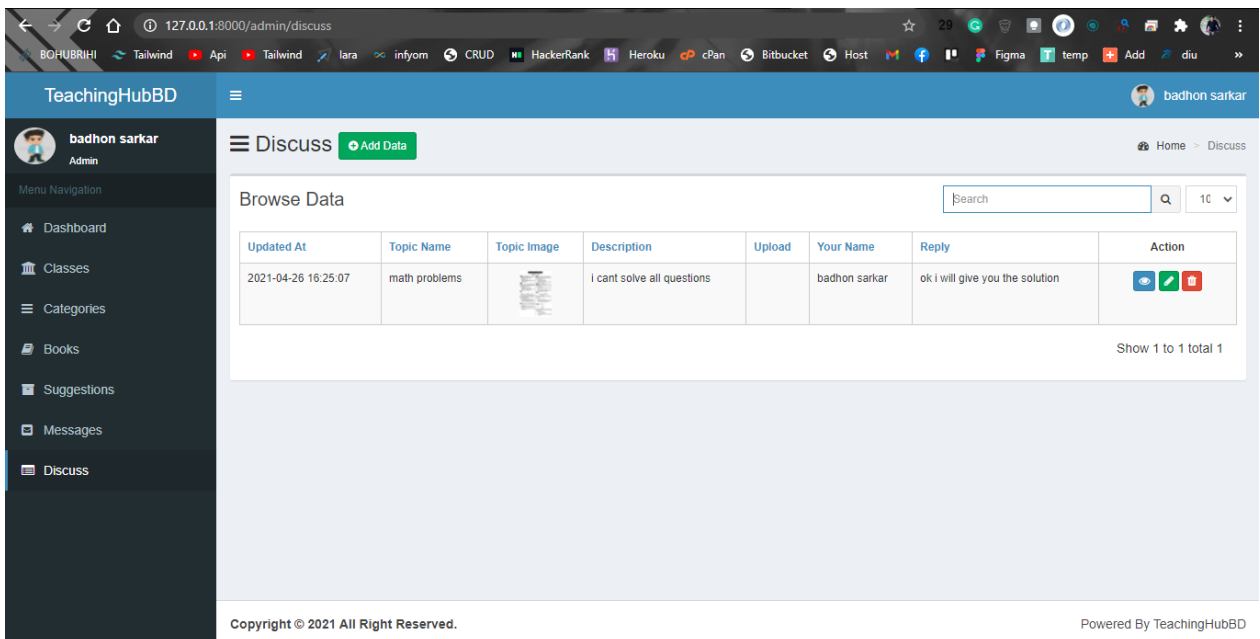


Figure 8.7.2 UI (Delete Message)

8.8 Admin Manage Discuss

8.8.1 Add Discuss



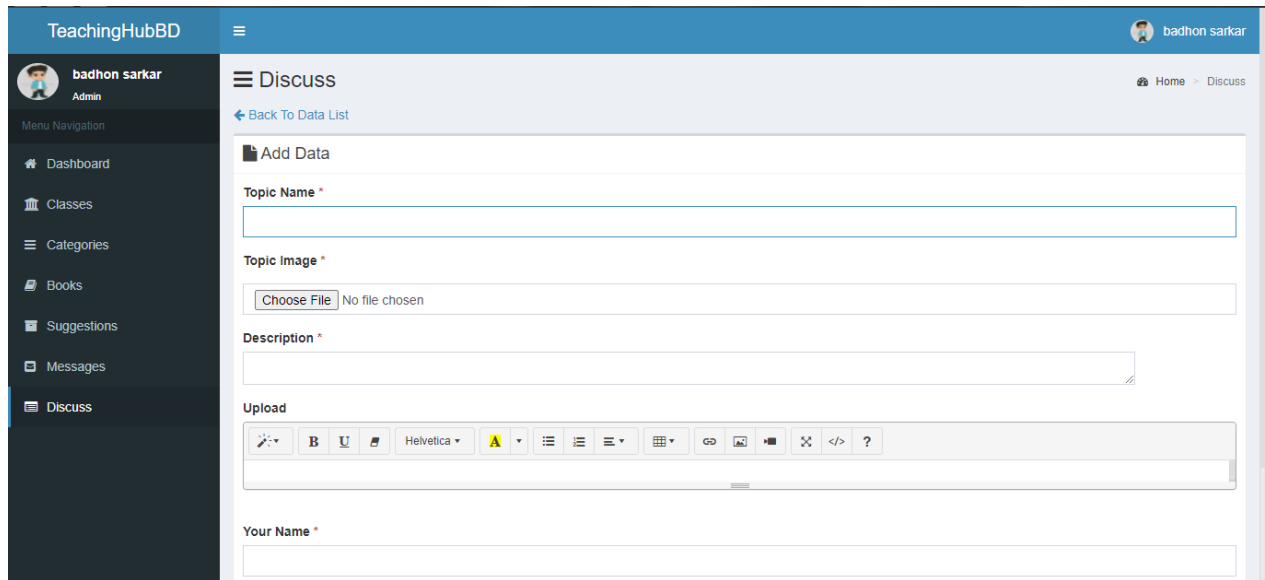


Figure 8.8.1 UI (Add Discuss)

8.8.2 View Discuss

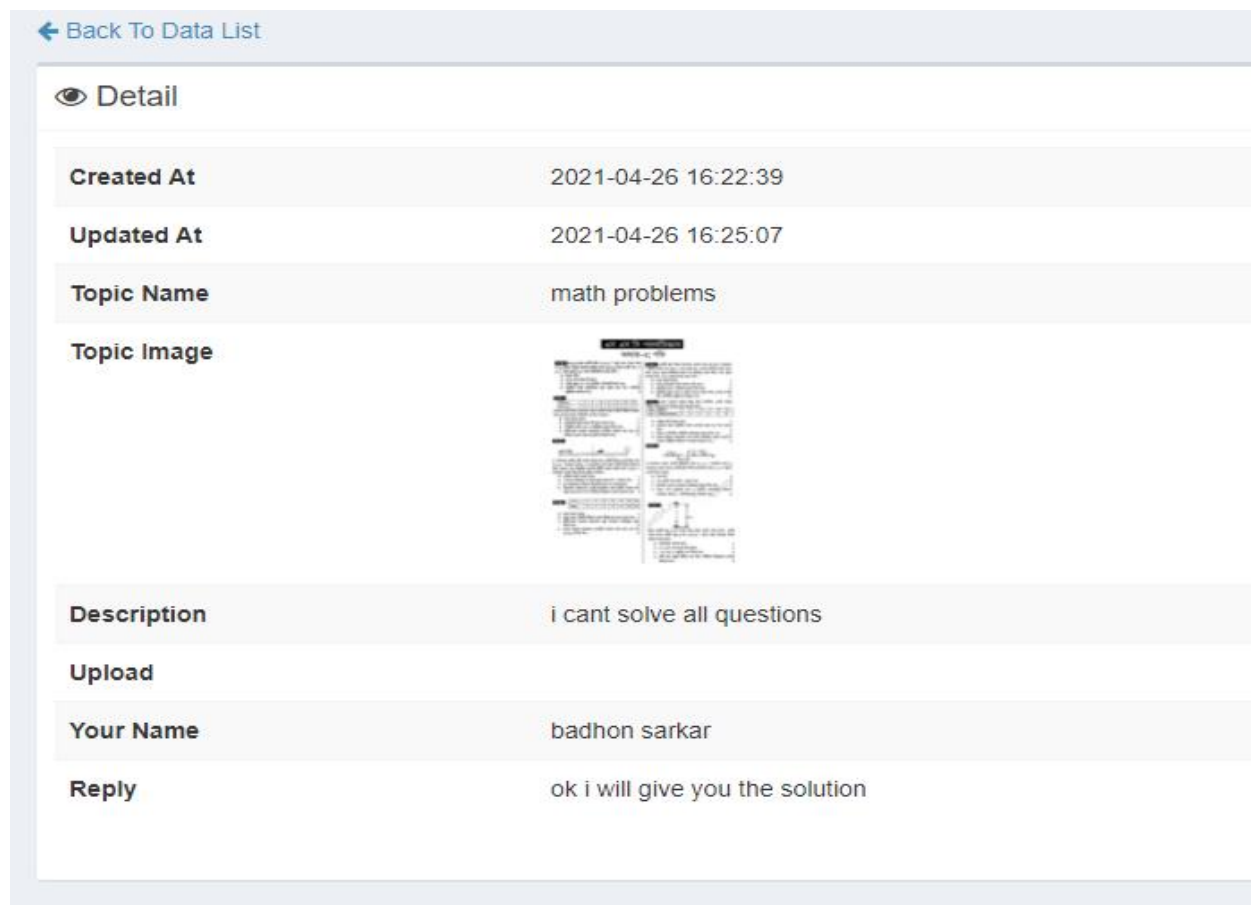


Figure 8.8.2 UI (View Discuss)

8.8.3 Edit Discuss

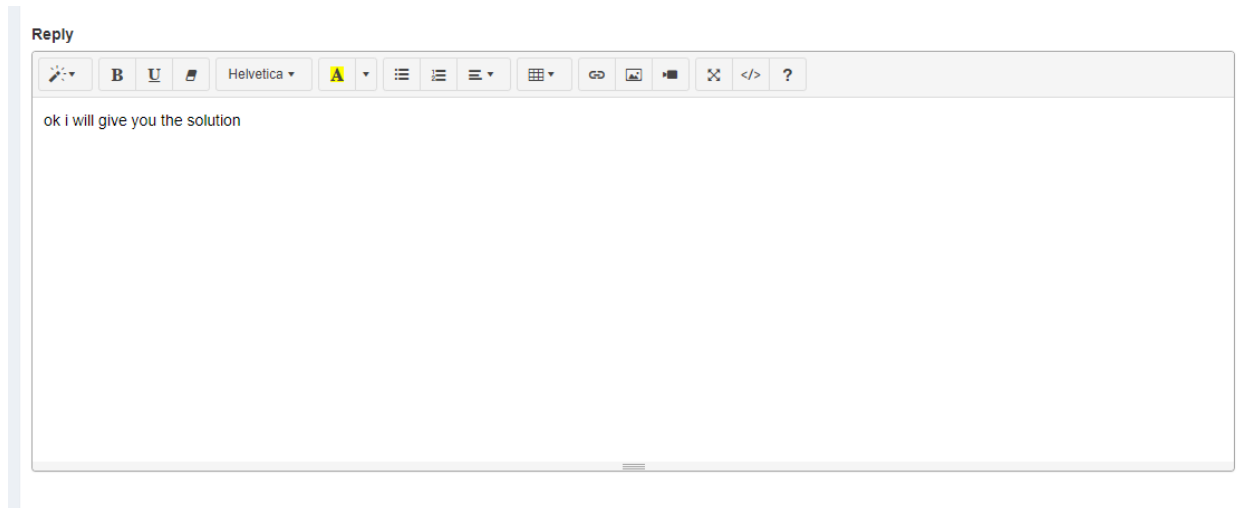


Figure 8.8.3 UI (Edit Discuss)

8.8.4 Delete Discuss

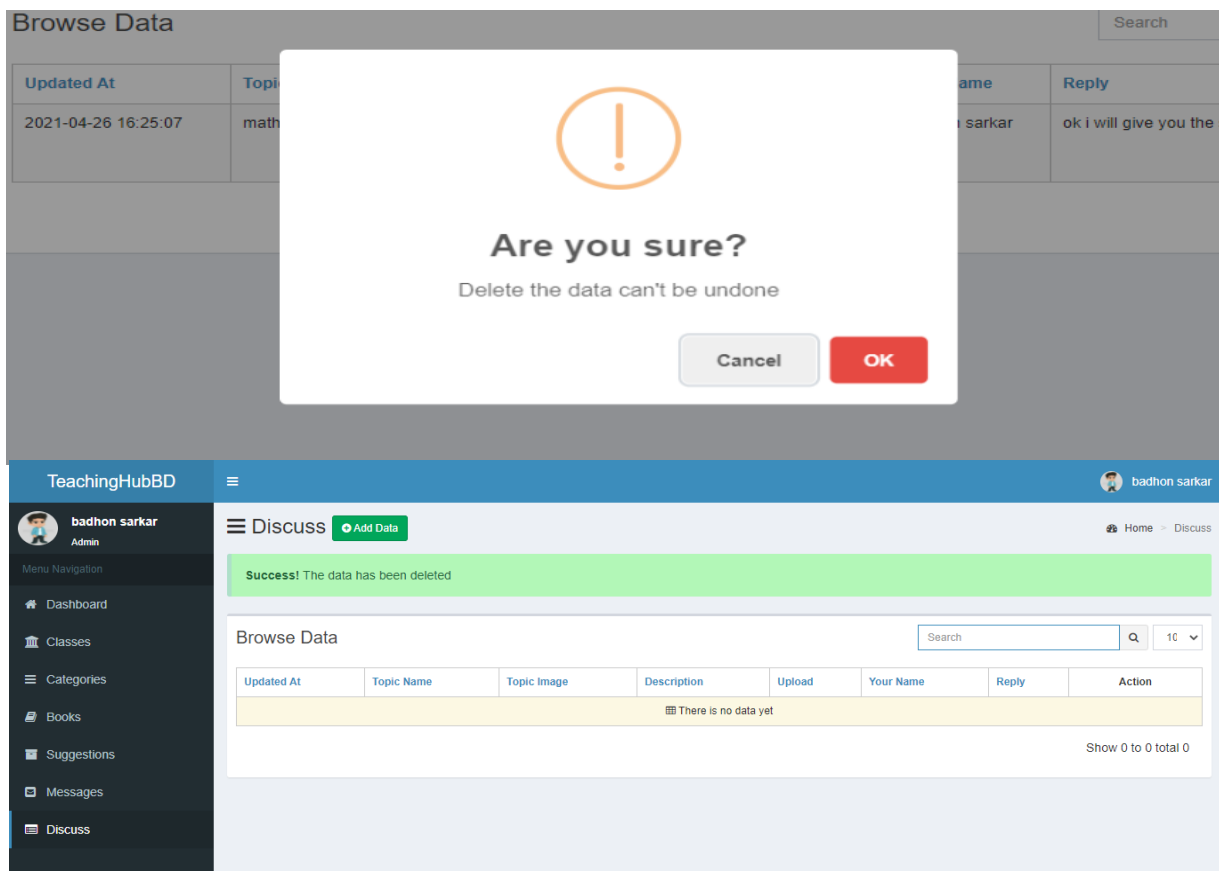


Figure 8.8.4 UI (Delete Discuss)

8.8.5 Admin Manage Profile

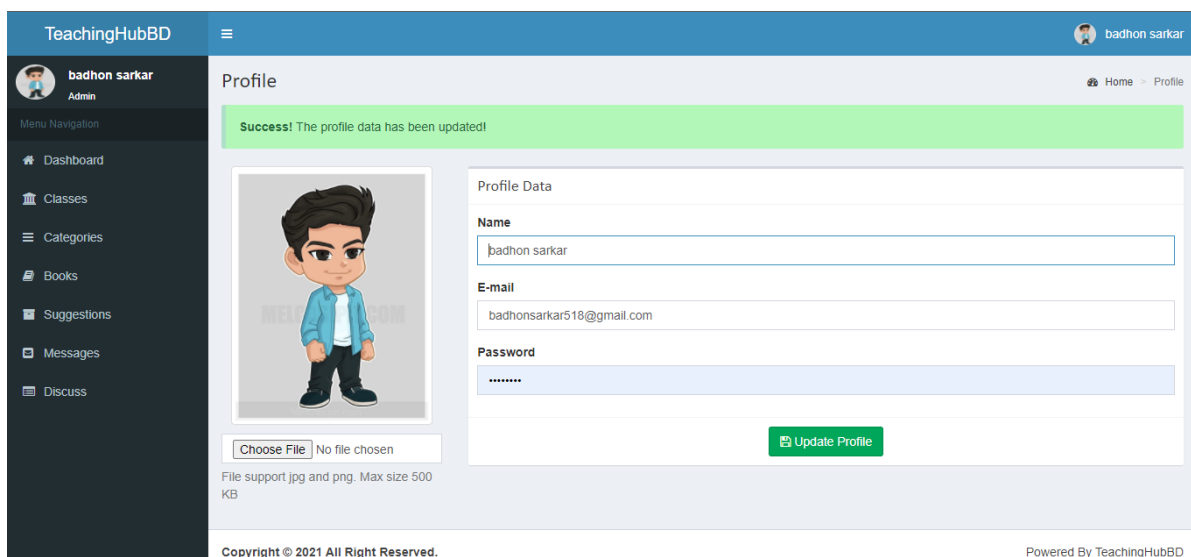
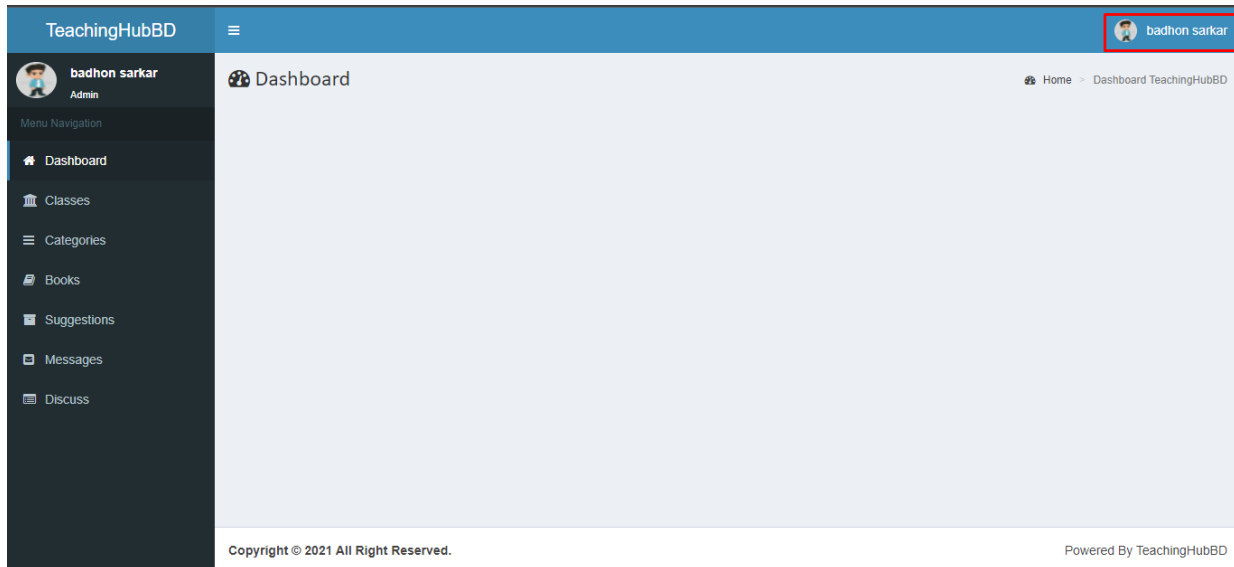


Figure 8.8.5 UI (Admin Manage Profile)

8.9 Home Page

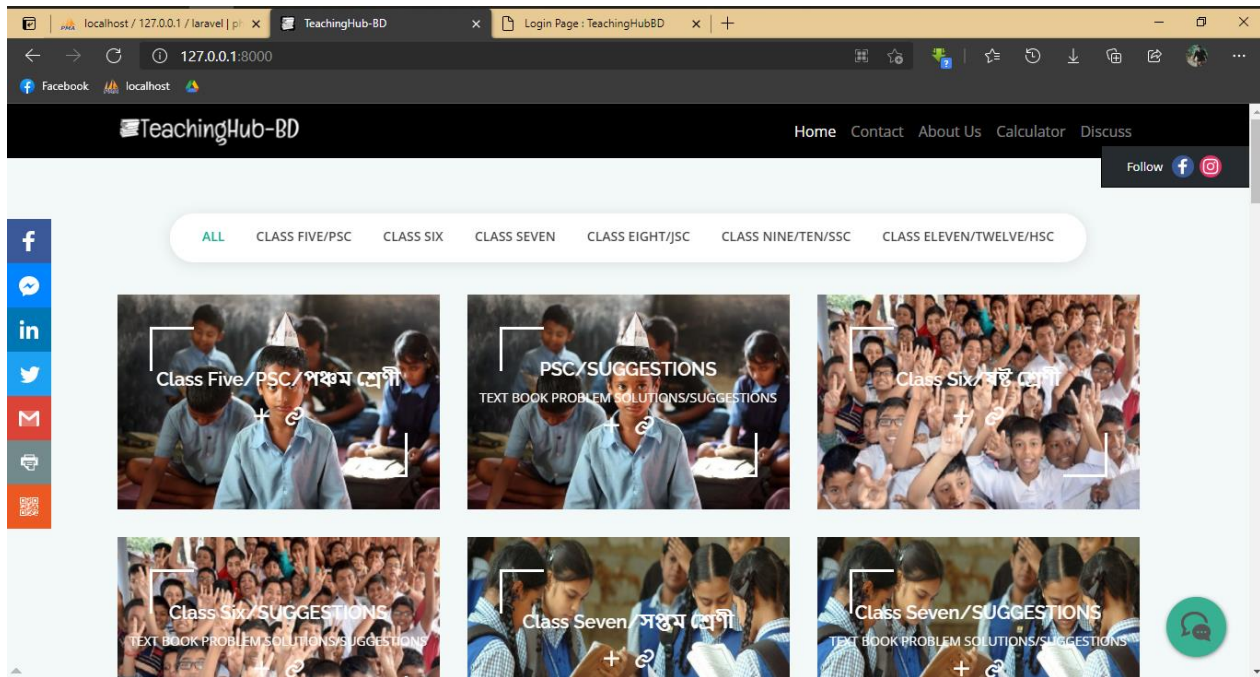


Figure 8.9 UI (Home)

8.10 Contact Page

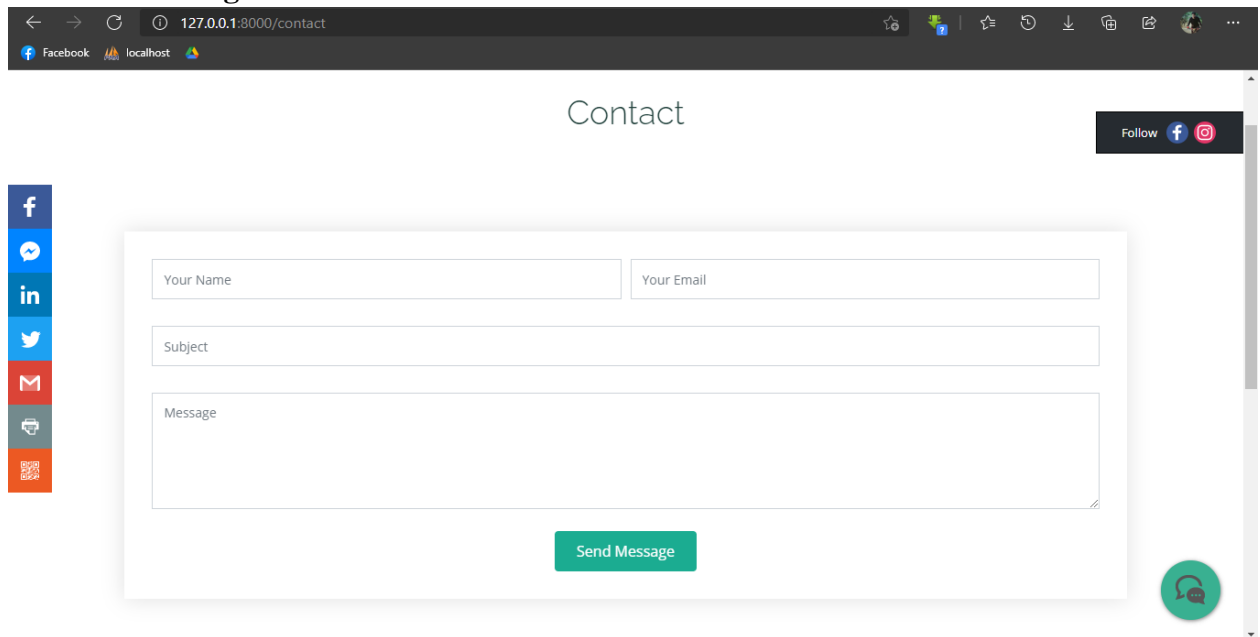


Figure 8.10 UI (Contact)

8.11 Chat Box

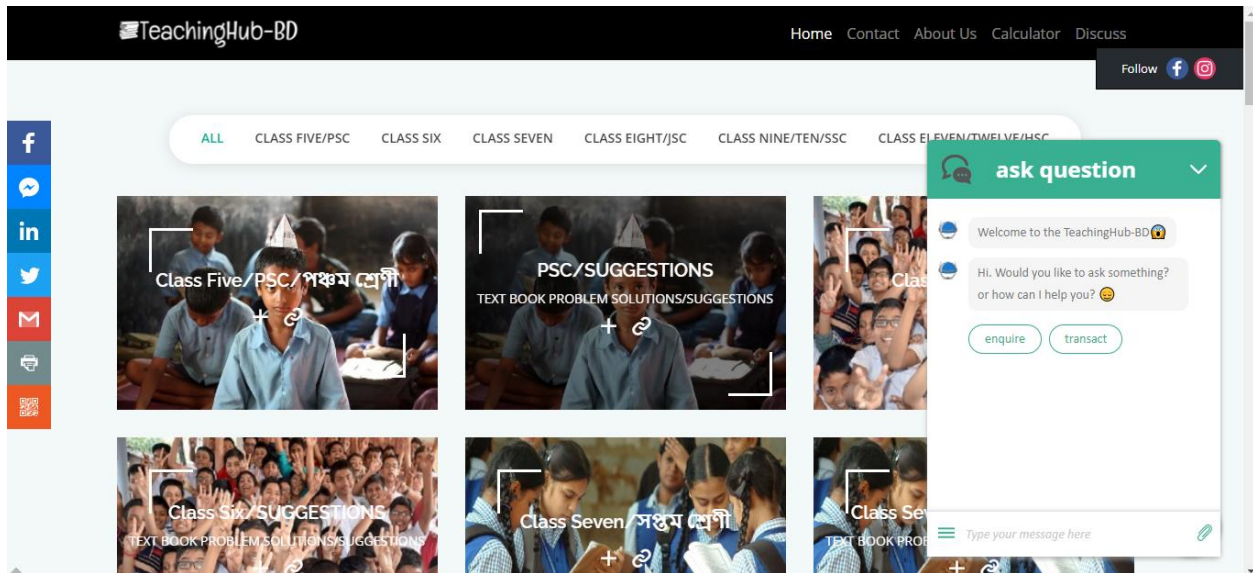


Figure 8.11 UI (chat box)

8.12 Book Page

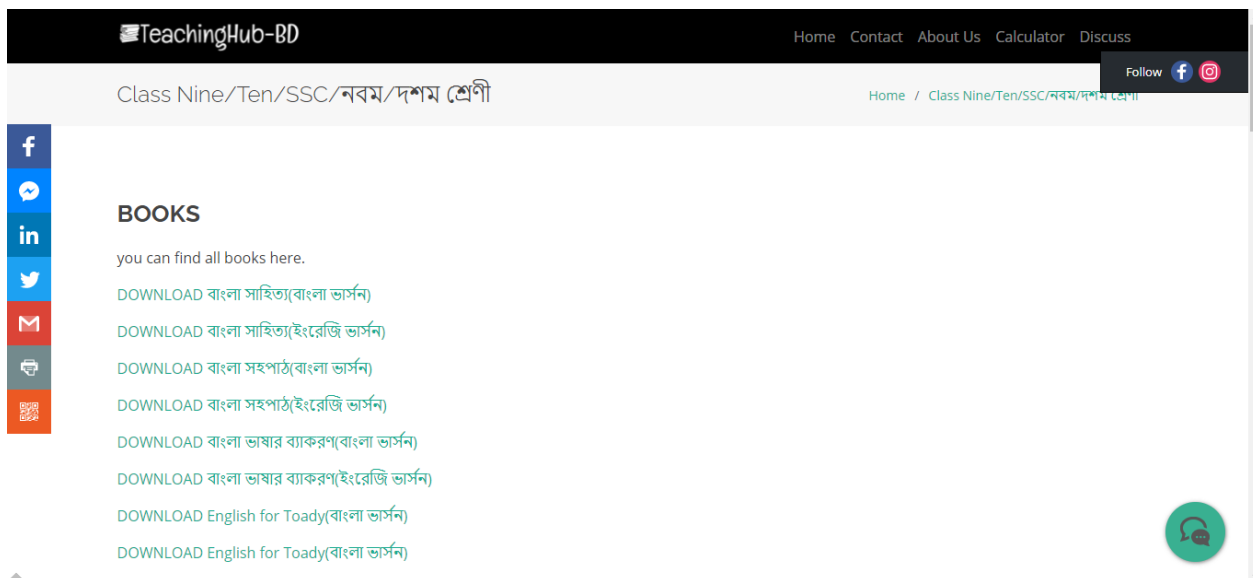


Figure 8.12 UI (Books)

8.13 Download pdf



Figure 8.13 UI (Home)

8.14 Downloaded file

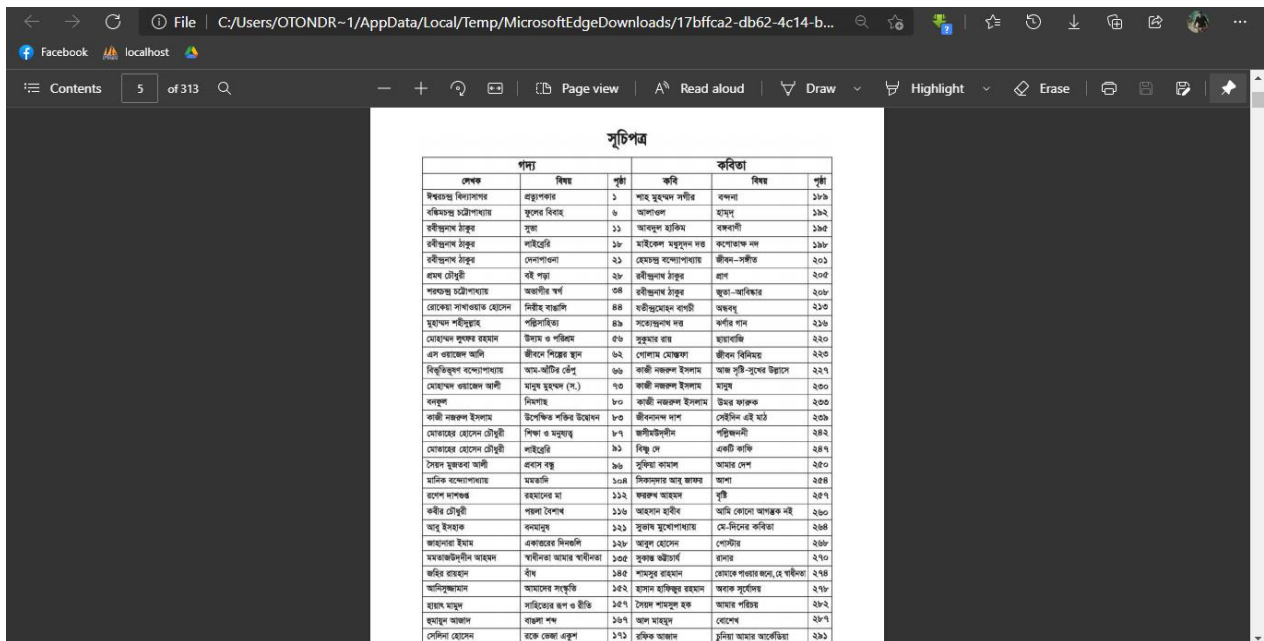


Figure 8.14 UI (Downloaded file)

8.15 Calculator Page

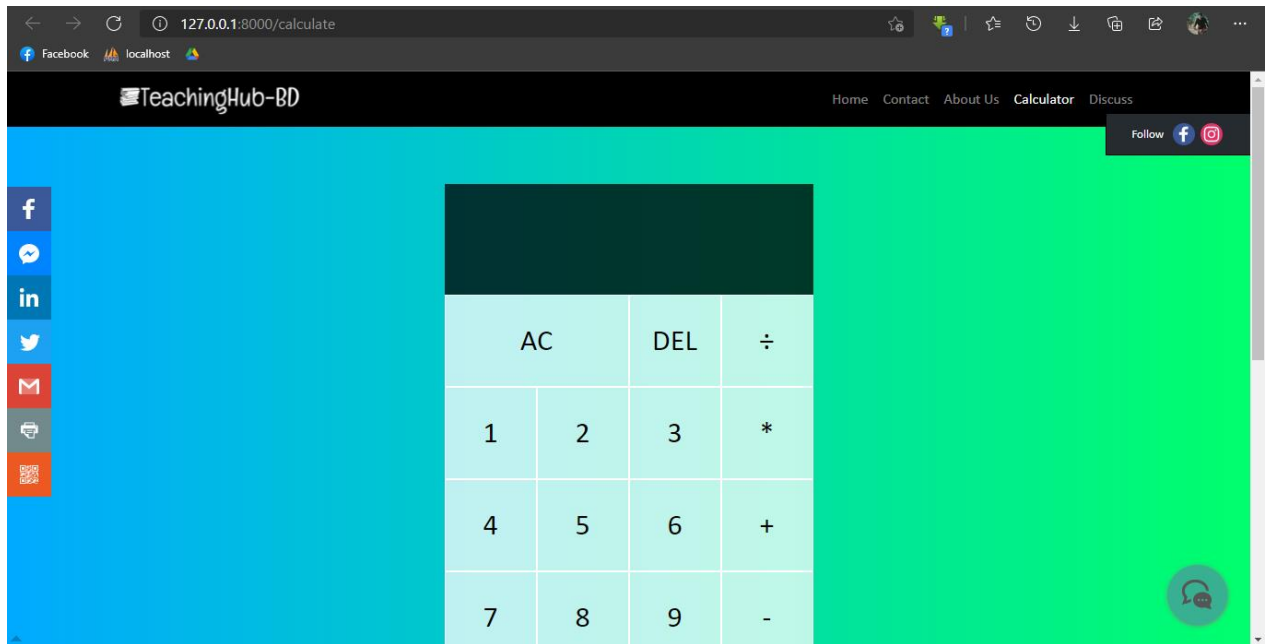


Figure 8.15 UI (Calculator page)

8.16 Discuss

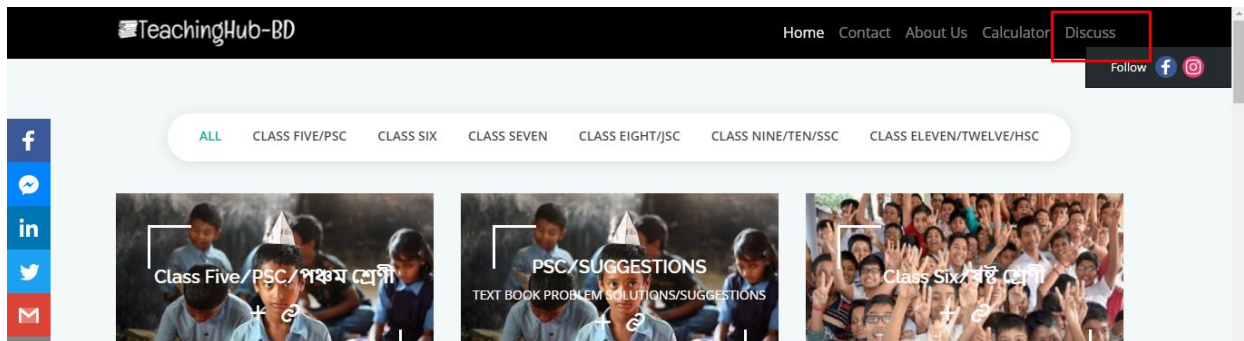


Figure 8.16 UI (Home)

8.17 User Module

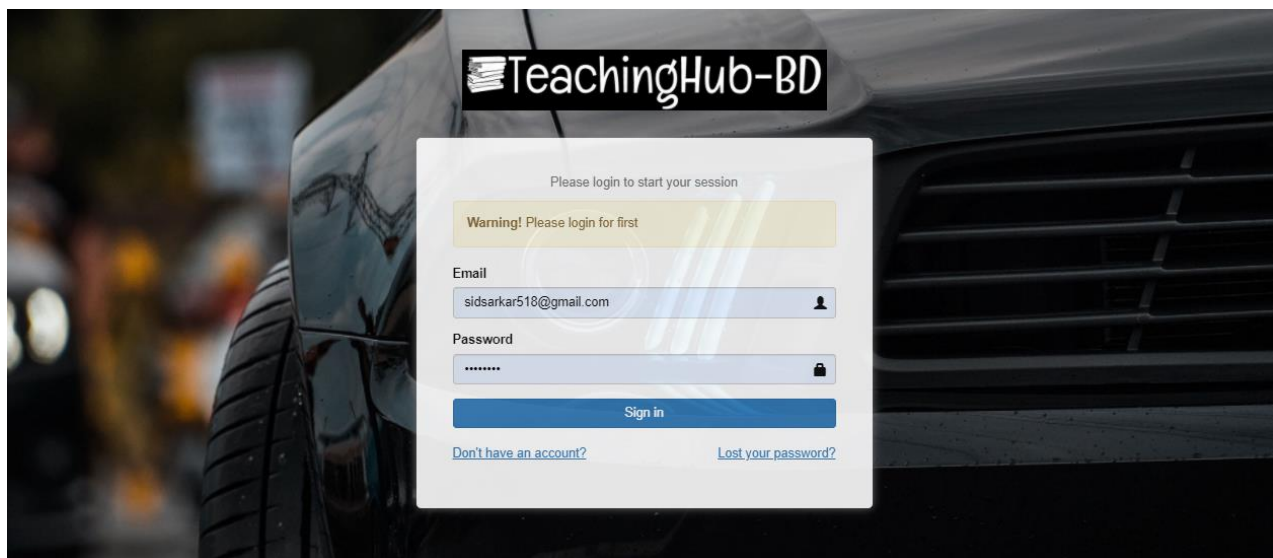
8.17.1 User registration



The screenshot shows the user registration interface for TeachingHub-BD. At the top, the logo 'TeachingHub-BD' is displayed. Below it, the text 'Please login to start your session' is shown. A yellow warning box contains the message 'Warning! Please login for first'. The registration form includes the following fields: 'Name' (empty), 'Email' (filled with 'badhonsarkar518@gmail.com'), 'Password' (filled with '*****'), and a 'Captcha' section with the question 'What is the sum of 5 and 6' and an input field containing 'Enter the value here'. A green 'Register' button is at the bottom, along with a blue link for 'Back to Login'.

Figure 8.17.1 UI (user registration)

8.17.2 User login



The screenshot shows the user login interface for TeachingHub-BD. At the top, the logo 'TeachingHub-BD' is displayed. Below it, the text 'Please login to start your session' is shown. A yellow warning box contains the message 'Warning! Please login for first'. The login form includes the following fields: 'Email' (filled with 'sidsarkar518@gmail.com') and 'Password' (filled with '*****'). A blue 'Sign in' button is at the bottom. Below the button, there are two blue links: 'Don't have an account?' and 'Lost your password?'.

Figure 8.17.2 UI (Home)

8.17.3 User blog Page

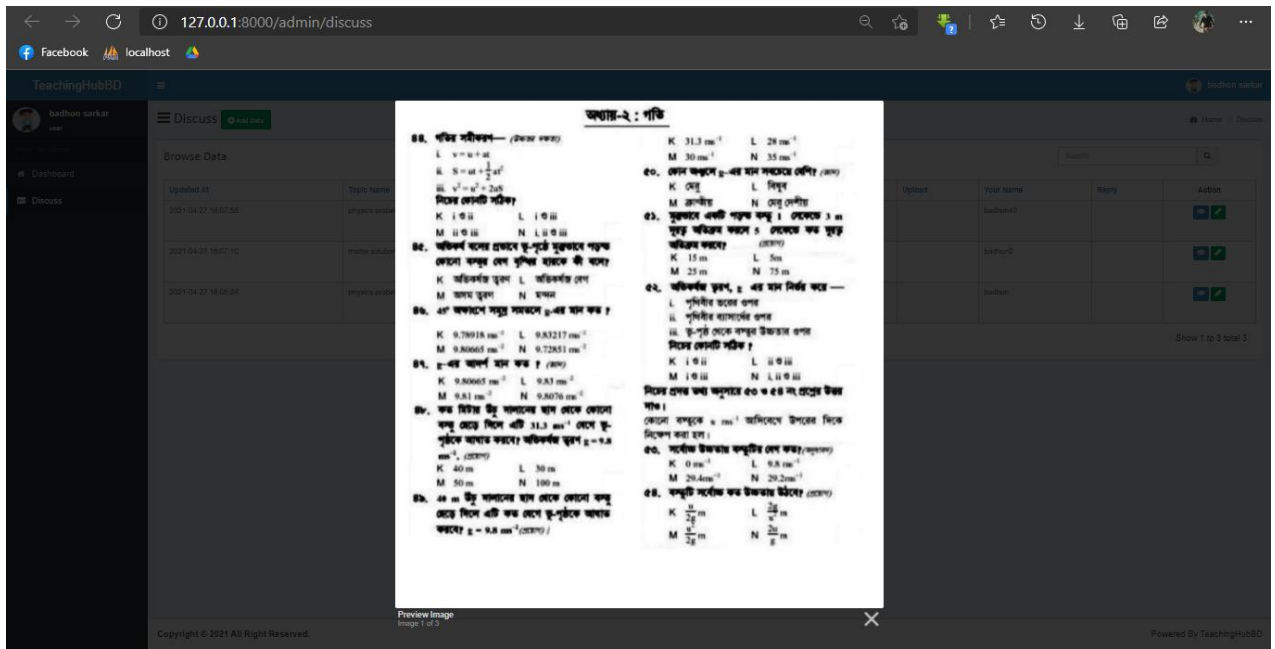
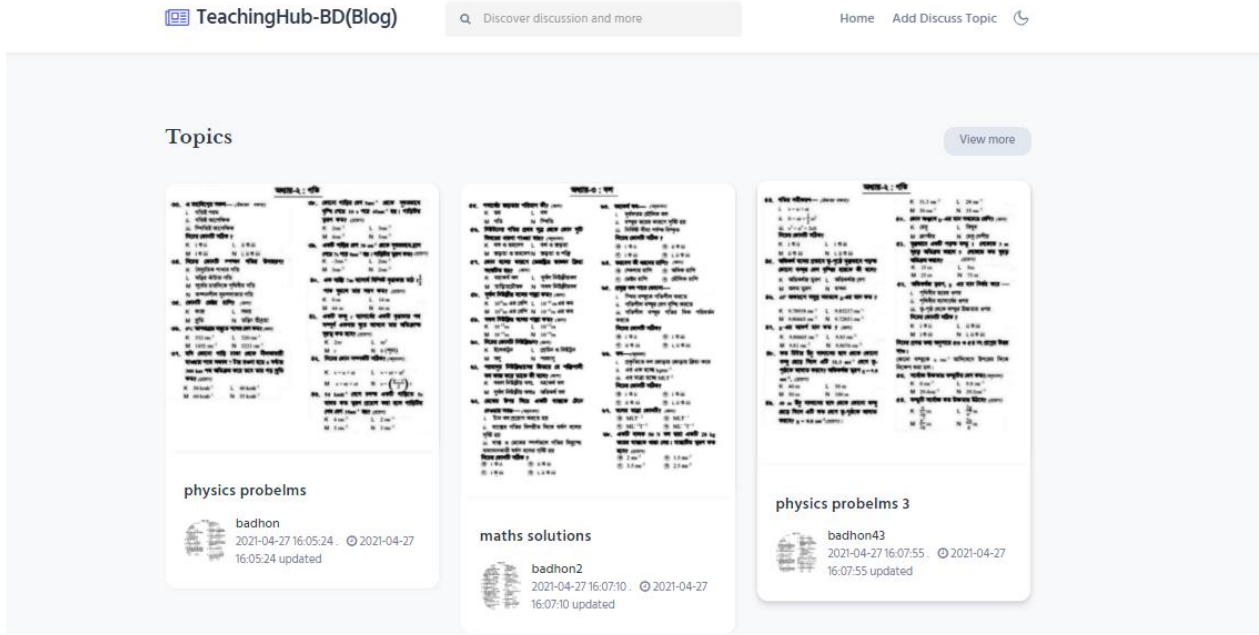


Figure 8.17.3 UI (user blog)

8.17.4 User Add Topic

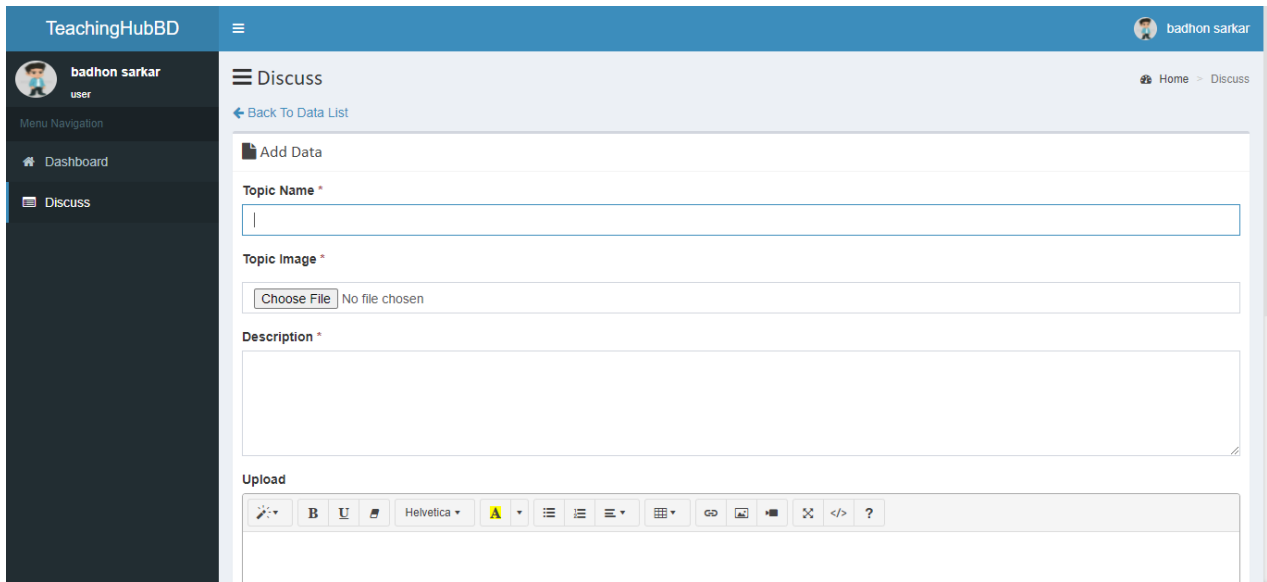


Figure 8.17.4 UI (user add topic)

8.17.5 User Add Topic

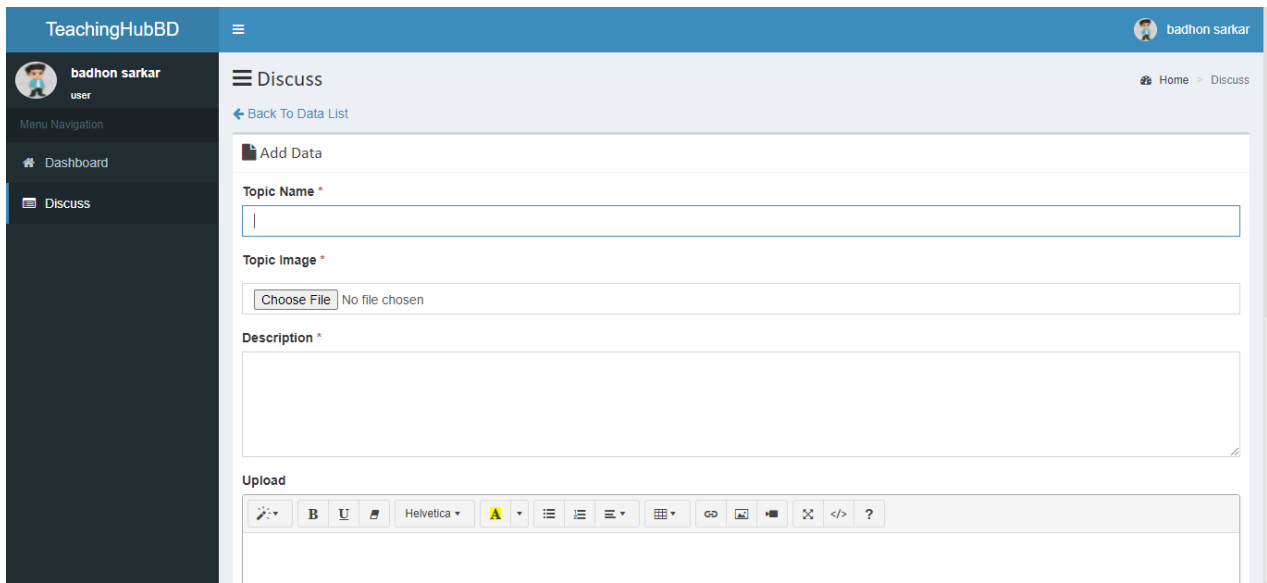
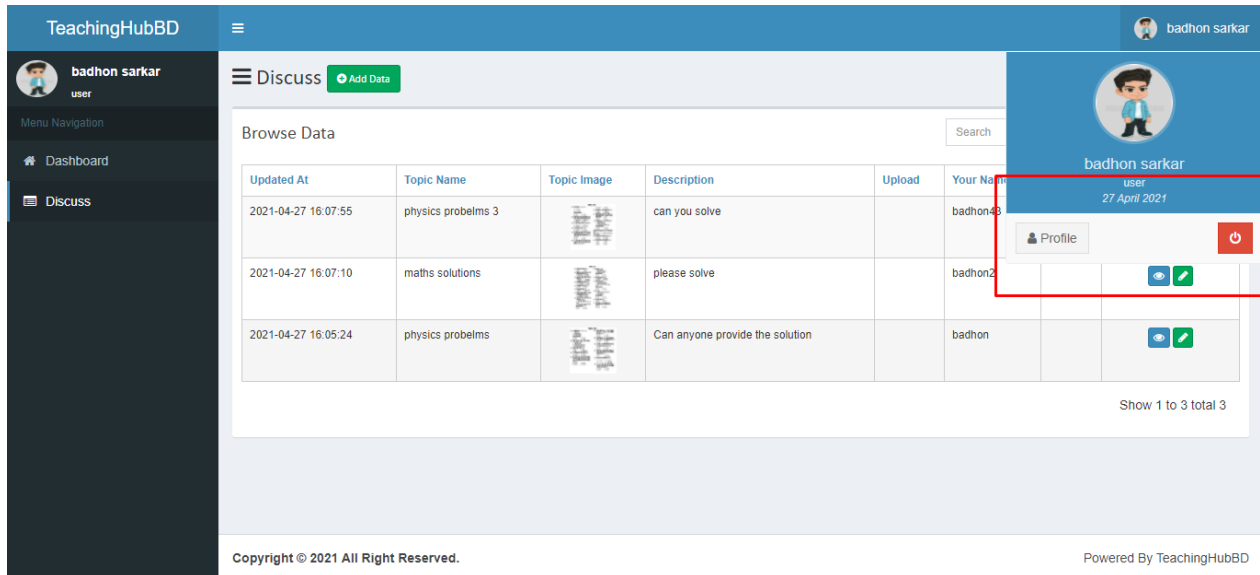





Figure 8.17.5 UI (user add topic)

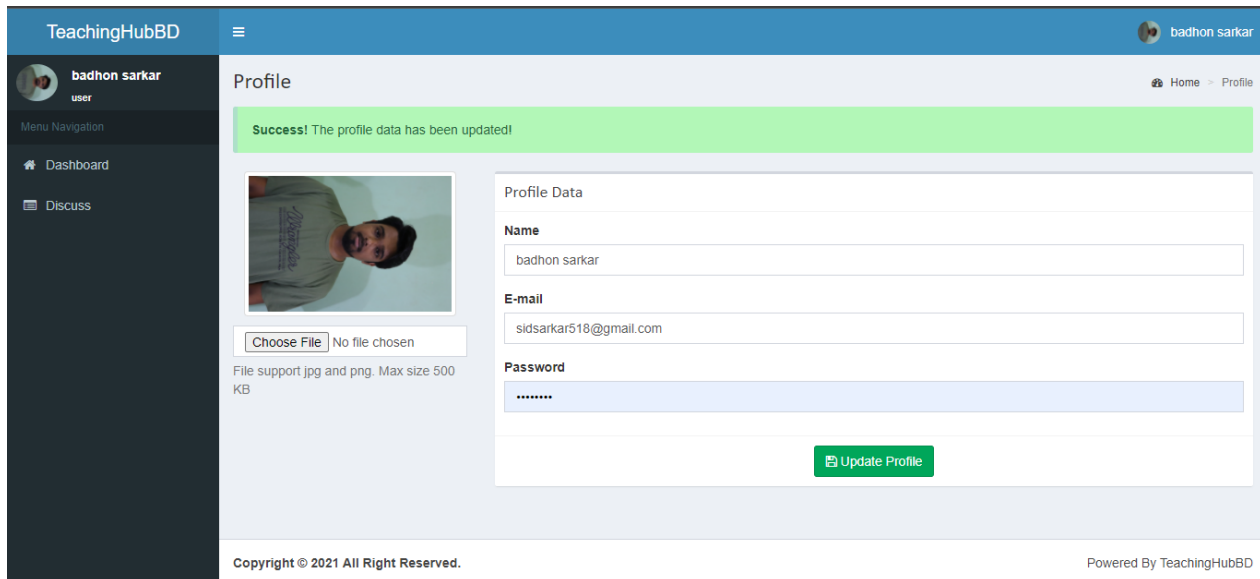
8.18 User manage Profile



The screenshot shows the 'Discuss' page of TeachingHubBD. A table titled 'Browse Data' contains the following information:

Updated At	Topic Name	Topic image	Description	Upload	Your Name
2021-04-27 16:07:55	physics problms 3		can you solve		badhon43
2021-04-27 16:07:10	maths solutions		please solve		badhon2
2021-04-27 16:05:24	physics problms		Can anyone provide the solution		badhon

A user profile dropdown menu is open for the user 'badhon sarkar', showing options for 'Profile' and a power icon. The page footer includes 'Copyright © 2021 All Right Reserved.' and 'Powered By TeachingHubBD'.



The screenshot shows the 'Profile' page of TeachingHubBD. A green success message states: 'Success! The profile data has been updated!'. The profile data form includes the following fields:

- Name:** badhon sarkar
- E-mail:** sidsarkar518@gmail.com
- Password:** (masked with dots)

There is a 'Choose File' button for profile picture upload, with a note: 'File support .jpg and .png. Max size 500 KB'. An 'Update Profile' button is located at the bottom of the form. The page footer includes 'Copyright © 2021 All Right Reserved.' and 'Powered By TeachingHubBD'.

Figure 8.18 UI (user profile)

CHAPTER-09

PROJECT SUMMARY

9.1 Link (GitHub)

<https://github.com/badhon86/TeachingHubBD-laravel>

9.2 Limitations in my project

I ran into several roadblocks along the way. I'm still studying the requisite technologies, but I haven't been able to solve these hurdles yet. But I'm confident that given enough time, I'll be able to learn advanced topics and improve the code significantly.

Mobile App:

User can use this on their mobile browser. But if it was a mobile app, it would be more suitable. But I can't develop a mobile version. Because I have a lack of knowledge about mobile app development.

9.3 Achievements & Obstacles

Since the starting of the process that I have able to learned a lot important information for development. I don't have any idea about creation of accurate design concept. Then for developing this project now I have more knowledge about design, database creation and procedure of figures. A lot of important features of the vocabulary that I have used for develop for these creations are serious. before starting my project development, I was able to understand whole diagrams, and I have successfully done my development and it's a big achievement for me.

9.4 Scope/plan for Future.

The software that is being created is of high quality. I'm doing everything I can to meet the genuine need for this stage of the treatment. However, there is still room to develop. I've launched the software and am working hard to make it the best it can be.

CHAPTER-10

PROJECT REFERENCES & PLAGIARISM REPORT

10.1 References

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10.2 Plagiarism Report

6/26/2021

Turnitin

Turnitin Originality Report					
Processed on: 26-Jun-2021 15:32 +06 ID: 1612371572 Word Count: 11761 Submitted: 1	<table border="1"> <thead> <tr> <th>Similarity Index</th> <th>Similarity by Source</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; font-size: 24pt;">9%</td> <td> Internet Sources: 7% Publications: 1% Student Papers: 7% </td> </tr> </tbody> </table>	Similarity Index	Similarity by Source	9%	Internet Sources: 7% Publications: 1% Student Papers: 7%
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