DAFFODIL INTERNATIONAL UNIVERSITY

Department of Software Engineering, FSIT

SWE-431 Project / Thesis

FARMING DIARY

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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.
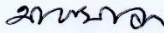
APPROVAL

This thesis/project/internship titled on "Farming Diary", submitted by Md. Asif Karim Akash, ID: 181-35-2371 to theDepartment of Software Engineering, Daffodil International University has been accepted as

satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.
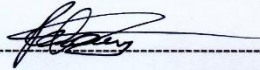
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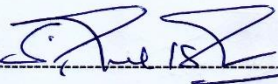--   Internal Examiner 1

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DECLARATION

It is hereby declared that, this project has been done by **Md. Asif Karim Akash** under the supervision of **Md. Fahad Bin Zamal, Assistant Professor & Associate Head (In-Charge)**, Department of Software Engineering, Daffodil International University. It also declares that neither this project nor any part of this has been submitted elsewhere for award of any degree.

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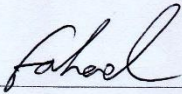
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Acknowledgment

To begin with, I consider myself fortunate because I am nearing the end of the semester. My almighty is happy with me. At the beginning of my academic career, I learned a lot about software engineering and computer science from my university's knowledgeable professors. Big brothers who are willing to help. Teachers teach us software as well as ethics, morality, and civility. Knowledge and skills related to the knowledge I owe my gratitude to my parents and relatives for providing me with this opportunity. The chance, and I'll always be to myself my family has always been supportive of me. My family places a high value on As well as being inspired, I have an opinion.

My supervisor, Mr. Md Fahad Bin Zamal, is to be thanked for allowing me to work on the project development. Sir is proud to be part of this project (Farming Diary)

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Table of Contents

Chapter 1
Introduction

1.1 Project Overview
Farming Diary is a blogging web application that provides detailed knowledge of farming to entrepreneurs who want their careers build-up from the agriculture sector. The users can operate the system with their own interests from this site. There will be a detailed knowledge of different elements of farming such as details of the crops, vegetables, fruits, granaries, and the hybrid species of each criterion. This site will incorporate mainly blogging, e-commerce for the users. There will be a certain site for blogging where users can read and write blogs. They can comment on the blogs. They can buy necessary and organic goods like seeds, baby plants, etc from the site. They can make their plan by enrolling themselves in farming. Users have to register themselves to reading blog posts blog and e-commerce facilities.

1.2 Project Purpose
The main purpose of this project, Farming Diary, is to make a website where the information of the blogs, the e-commerce site, and the additional information, ways, and correspondence given by registered accounts in the system are accumulated in an organized way. This might be helpful for the entrepreneurs who are inexperienced in the agricultural field and those who are interested in farming. It is open to all users from all sectors. The Agro, farming, and NGOs working with this section might use this site for their betterment.

1.2.1 Background
Bangladesh is an agricultural country and most of the people are dependent on agriculture for their livelihood. Still, our agricultural sector is less developed than any other and doesn't have that much access to information technology. As a result, most of them become unable to get the hybrid one at the right time. I always wanted to develop something for them so that the agricultural sector gets more and more resources and technology to use. In that regard, I've developed this blogging website which will acknowledge the general users about the perfect time and hybrid species. It will also encourage the entrepreneurs to involve themselves in agro-farming.

1.2.2 Benefits & Beneficiaries
Farming Diary would have some extraordinary benefits for the beneficiaries which rarely have formed in reality till this day. Agro-farming information doesn't accumulate in a certain website yet. As a result, people who are interested in farming need to explore different sites. This website will provide complete and accumulated information on this site, which would be best recognized

as a farming site. There will be different categories for different elements of farming. People will get the core and complete information of every single thing related to agriculture. New entrepreneurs and users will invent new ways and much unknown information.

Existing entrepreneurs and farmers are not getting this benefit where each and every information is provided for them so that they could reach our agriculture to an unimaginable level. People are used to getting this type of website for their daily needs but such a platform for agriculture is almost absent in an agricultural country like Bangladesh where most of the farmers are used to applying analog tools. As a result, our agriculture is not developing in export quality. When almost every person who is interested in farming will enroll themselves as an entrepreneur of agro-farming, our status of agriculture sector will be developed in export quality.

The beneficiaries would be the NGOs working with the agro-farming sector and for the people who want their careers to be built up using the context of agriculture. The people who are interested in farming and agriculture will also be a perfect match as the beneficiaries of this website. Unemployment is one of the greatest problems in Bangladesh, and nowadays people are involving themselves in the Agricultural sector for self-employment. This person will also be the perfect beneficiaries of this website while they will be starting up a new business or expanding their business with more sections along with the previous one. They will get the right and appropriate information and there will be more expert people to share their own experience too. As a result, the beneficiaries will get benefitted from this website more than any others and get to know more unknown information from only one website which will encourage them to improve their strategies day by day using blogs or the experience shared by experts.

1.2.3 Goal

Every project has its own goal. "Farming Diary" also has its own motif to serve vast. Its goal is to serve a complete knowledge of farming and agriculture to the users and entrepreneurs. The users will get blogs for reading and increasing their knowledge in farming and agriculture. This website will provide complete and accumulated Agro-farming information on this site, which would be best recognized as a farming site. There will be different categories for different elements of farming. People will get the core and complete information on every single thing related to agriculture. New entrepreneurs and users will invent and explore new ways and much unknown information. It will encourage the starter to enroll themselves in such a platform of farming.

It is concerned with unemployment which is one of the greatest problems in Bangladesh, and nowadays people are involving themselves in the Agricultural sector for self-employment. It is ready to deliver the knowledge to the users. As a result, they would get to know more and more unknown information from only one website which will encourage them to improve their strategies day by day using blogs or the experience shared by experts. It also intends to expand its sectors on the basis of the demand of the users. Along with delivering the knowledge, its goal is to serve the organic elements of farming to the buyers according to their wants.

1.3 Project Schedule

Every procedure has a schedule in place to ensure that the project is completed on time. It also aids the developer and all other employees in sticking to their schedules.

1.4 Gantt Chart

Activities	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8	W-9	W-10	W-11	W-12	W-13	W-14	W-15	W-16
Planning	██	██														
Requirements Analysis			██	██	██	██										
System design							██	██	██							
Implementation										██	██	██	██			
Testing														██	██	
Maintenance																██

1.5. Release Plan or Milestone

Activities	Duration in week	Total Week
Brainstorming	Week 1	1
Problem identification	Week 1, Week 2	2
Requirement specification	Week 3, Week 4	2
Requirement analysis	Week 5, Week 6	2
Design specification	Week 7, Week 8	2
Database design	Week 9	1
Client-side implementation	Week 10, Week 11	2
Server-side implementation	Week 12, Week 13	2
Black-box testing	Week 14	1
White-box testing	Week 15	1
Software release	Week 16	1

Chapter 2
Software Requirement Specification

2.1 Functional Requirements

The functional requirement referred to a mandatory function which mandatory to the system. It must be able to perform for a web and also all kind of software system. All kind of application system has some functional requirements. Now, we are showing to mention functional requirements associated with this project.

2.1.1 Login in this system

Requirement 1	Admin and users can Login in Software
Description	This is not mandatory to visit the web page but when they want to go to the blog and also want to go to the e-commerce section then they have to login first.
Stakeholders	Admin and system users

2.1.2 Registration in this system

Requirement 2	Admin and users have to register in Software
Description	This is the mandatory part of this system when users want to enter the e-commerce and blog post section.
Stakeholders	Admin and system users

2.1.3 Admin can update profile

Requirement 3	Admin and user can update profile
Description	If they feel they need to update their profile they will be able to do this. In the profile section, there will be an update profile button. Admin also update user profile
Stakeholders	Admin

2.1.4 Admin can delete profile

Requirement 4	Admin and user can delete profile

Description	If they feel they need to delete their profile they will be able to do this. In the profile section, there will be a delete button. If the admin feels any user is harmful to the system admin would be able to delete the user.
Stakeholders	Admin

2.1.5 Admin and user can post the blog

Requirement 5	Admin and user can post the blog
Description	There will be a section where admin and users are both able to post the blog
Stakeholders	Admin and system users

2.1.6 Admin can add products

Requirement 7	Admin can add products
Description	Admin will be able to add products to this system
Stakeholders	Admin

2.1.7 Users can be seen all products and details

Requirement 8	Users can be able to see all product
Description	Users see all items and descriptions and they will be using this for their personal use
Stakeholders	Users

2.2 Non-Functional Requirement

2.2.1 Make daily sell a report

Requirement 1	Make daily sell a report
Description	If admin want he/she able to make a report for daily sell
Stakeholders	Admin

2.2.2 Monthly closing report

Requirement 2	Monthly closing report.
Description	End of the month admin make a monthly closing report

Stakeholders	Admin

2.3 Data Requirements

Defining data needs in order to construct a model. Internal users would load the majority of the data into our system. We need to concentrate on a few key issues for this reason.

Consider:

1. **Entity types in the system**

2. **Locations for data routing**

3. **Data capacity and resources are required.**

4. **Sequence of data sources**

5. **Schedules for data availability**

6. **Quantity of data**

7. **Data accessibility**

2.4 Performance Requirements

It is critical to maintaining the performance of a software system. As a developer, we must manage and maintain some tasks in order to assure performance. Now I'm attempting to explain perspective by attempting to improve the performance of this system project.

2.4.1 Speed & Latency Requirements.

SLR-1	Add product and add post must be fast
Description	When admin and user add a post or product it must be added very quickly
Stakeholders	All users

2.4.2 Precision & Accuracy Requirements

SLR-2	Users information's accuracy is very important

Description	This is public software so user information accuracy is the most feature. Because many users used this system
Stakeholders	All users

2.4.3 Capacity Requirements

SLR-3	The system will handle thousands of data.
Description	The system needs to handle data thousands of data every month.
Stakeholders	Admin

2.5 Dependability Requirements

- Availability

- Reliability

- Safety

- Security

When we declare our system is trustworthy and safe, we must also say that we can meet the four dimensions listed above. We also wish to emphasize that our system is incapable of making any errors. Aside from that, it's also critical to limit the damage that system failure could do.

2.5.1 Reliability & Availability Requirements

Now I'll go through certain needs that have to do with dependability and availability.

RAR-1	The system must be available 24 hours a day, seven days a week.
Description	Our system must be available 24 hours a day, seven days a week. The system must be web-based and accessible from any location. The system must be clear of malware.
Stakeholders	Admin

2.5.2 Robustness or Fault-Tolerance Requirements

It is critical to ensure 0% crush in order to provide end-users with robustness and fault-tolerance capabilities.

RFT-1	All user access is handled by the system without any issues.
Description	At any given time, all kinds of users may access our application system. All of their requests must be handled flawlessly.
Stakeholders	System authorized user

2.5.3 Safety-Critical Requirements

In our program, customer information and account information are both safety-critical criteria.

SCR-1	All data must be kept secure, with full authorization access.
Description	Internal data of a corporation or organization is more secure. Despite the fact that our system is web-based, data cloud security is more important to us.
Stakeholders	System user.

2.6 Maintainability & Supportability Requirements

It is critical to supply end users with after-sales service or support.

2.6.1 Maintainability Requirements

MR-1	The system aids in the updating of a user's profile.
Description	It is important to update security systems on a regular basis.
Stakeholders	System user

2.6.2 Supportability Requirements

To some extent, supportability needs may have been related. Like:

- Testability

- Extensibility

- Adaptability

- Maintainability

- Compatibility

- Configurability

- Serviceability

- Install ability

All of the above standards for supportability are met by my application.

2.6.3 Adaptability Requirements
My system software has no requirements for adaptation.

2.7 Security Requirements
When it comes to accessing our software application system, some authentication and authorization mechanisms are still in use. The techniques will be provided by each module of this application system. Now, I'll give you an explanation in the following paragraphs.

AR-1	A security mechanism is provided by the application.
Description	Every module is built in such a way that only authorized and verified users can access it.
Stakeholders	Admin

2.8 Usability and Human-Interaction Requirements
When someone or a corporation develops a system, they should aim to make it user-friendly and simple to use for the end-users**.**

2.8.1 Ease of Use Requirements
Our application is both simple to use and comprehend.

EUR-1	End-users must be able to use the application.
Description	This system is user-friendly enough for the administrative and accounting officers to run.
Stakeholders	Admin

2.8.2 Personalization and Internationalization Requirements

Our application system has given us customization and internationalization requirements. This system can only be accessed by authorized people, such as admin officers, who have access levels that are properly maintained.

2.8.3 User Documentation Requirements

There are two sorts of documentation in any document. One type of internal documentation is that which is written by application engineers. This paper was created to help system engineers and analysts with the development life cycle.

2.8.4 Training Requirements

Training requirements are involved after service application. The training requirements are critical for properly teaching end-users on the system so that they can run it without difficulty. After releasing the whole product to the market, we first provide training to various end-users such as general users and admin.

2.9 Look and Feel Requirements

The term "look and feel" relates to how the system will appear to the user, as well as how the user interface or graphical user interface of our system will appear to the user

2.9.1 Appearance Requirements

Admin and Accounts users must be aware of which input fields are mandatory and which are optional. As a result, I'll use labels for all of the input fields. Text, radio, checkbox, spinner, and other types of input fields are possible.

AR-1	Labels of mandatory fields must be bold.
Description	To make things easy for users, the necessary field's label must be bold, and all input fields must have placeholders.
Stakeholders	Admin & Users

2.10 Operational and Environmental Requirements

Operational and environmental requirements refer to performance, capacities, measures, and processes.

2.10.1 Expected Physical Requirements

There are no expected physical requirements in our system.

2.10.2 Requirements for Interfacing with Adjacent Systems

There are no prerequisites for interfacing with other systems in our project.

2.10.3 Release Requirements

Because it is a web-based application, an internet connection, and a web browser are required to access the system.

2.11 Legal Requirements

The terms and conditions for privacy and policy of any company are primarily mentioned in legal requirements. Our application's terms and conditions state that no third-party software that is not connected to the cloud is authorized to use our data for commercial purposes.

2.11.1Compliance Requirements

For our system, there are no specific compliance requirements.

2.11.2 Standards Requirements

There are no specific standards requirements for our system.

Chapter 3
Use case of the proposed system

3.1 Use-case Diagram

The user and system access levels are clearly indicated in the use case diagram. In our system, there are two players. Each performer has a distinct role to play. And they're already marked on the use case diagram. In a nutshell, this figure will explain our system.
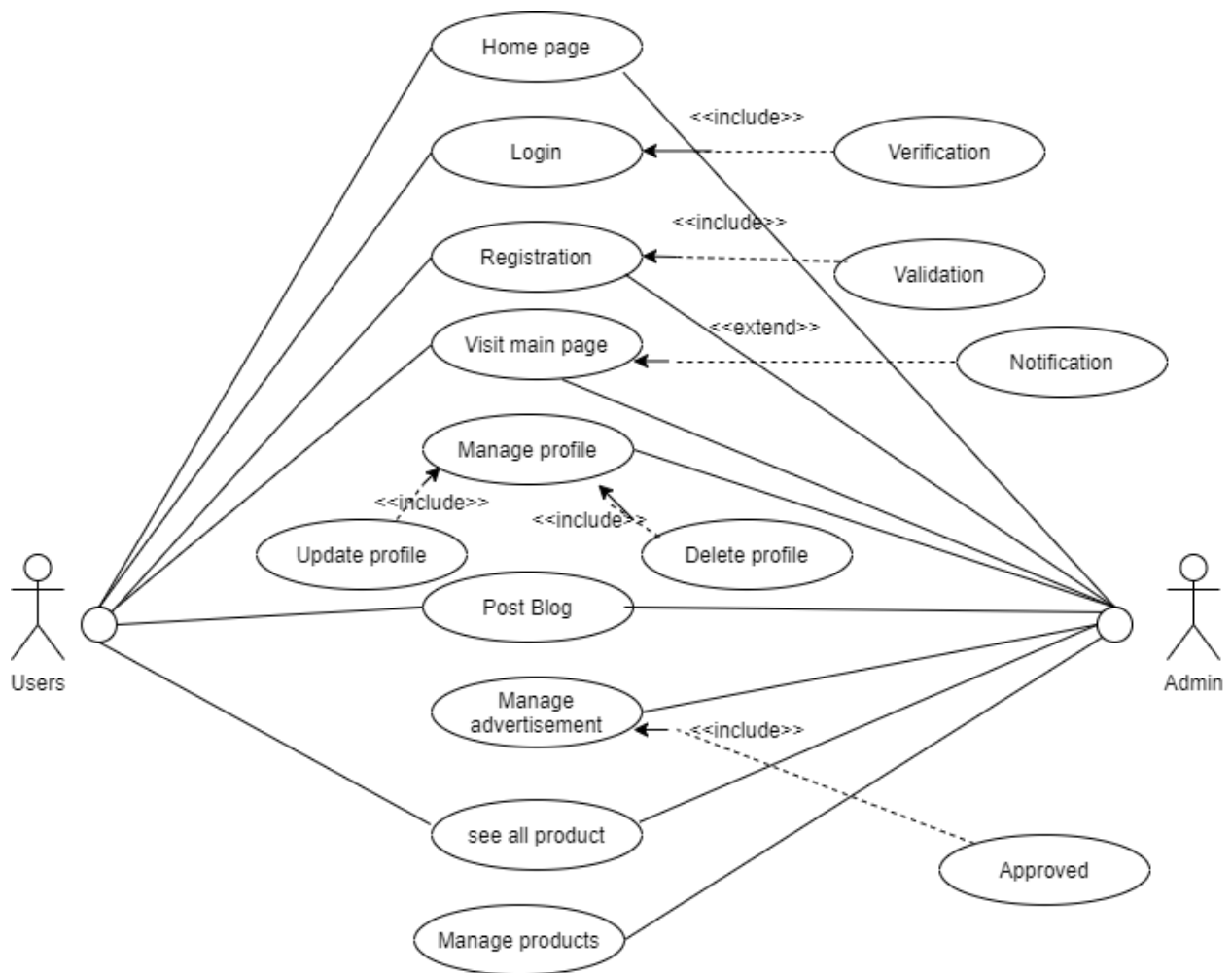
Use Cases Description
3.1.1 Login

Use case id	UC 1
Use case name	Login
Description	If user uses this system smoothly they have to login first otherwise they won't be able to use this completely. This is also same for admin. First he/she have to login first for control this system
Actors	Admin ,Users

3.1.2 Register

Use case id	UC 2
Use case name	Register
Description	This is the mandatory part of this system. User information is very important for this because they will be able to post blog.
Actors	Admin ,Users

3.1.3 Home page

Use case id	UC 3
Use case name	Home page
Description	When users register and login this system they will be able to access the main page which is blog and product
Actors	Admin ,Users

3.1.4 Manage profile

Use case id	UC 4
Use case name	Manage profile
Description	If anything changed is important then admin will able to edit delete or add something in the profile section
Actors	Admin

3.1.5 Post blog

Use case id	UC 5
Use case name	Post blog
Description	This is the main feature of this system. Users will be able to read blogs and post blogs. This is the fun factor in this system.
Actors	Admin , Users

3.1.6 Access all product

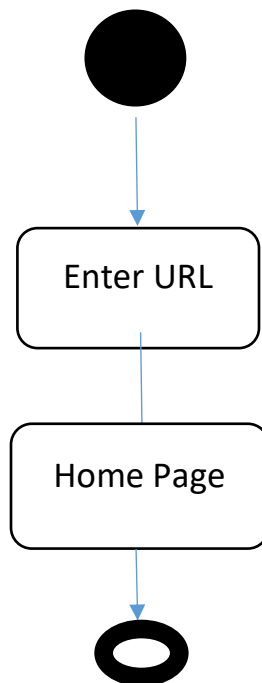| Use case id	UC 6
Use case name	Access all product
Description	Users will be able to see all products also read details and they will be in contact with the seller.
Actors	Users

3.1.7 Manage product

Use case id	UC 7
Use case name	Manage product
Description	If the admin wants he will be able to add product edit product delete also.
Actors	Admin

3.2 Activity Diagram

I have prepared activity diagrams according to my use case. These activity diagrams are properly referring the flow of the individual conditions of my project

3.2.1 Home page for anyone

3.2.2 Admin and user can log in

Enter email and password

Correct email and password?

No → Invalid email or password

Yes

Login successful

User system is display
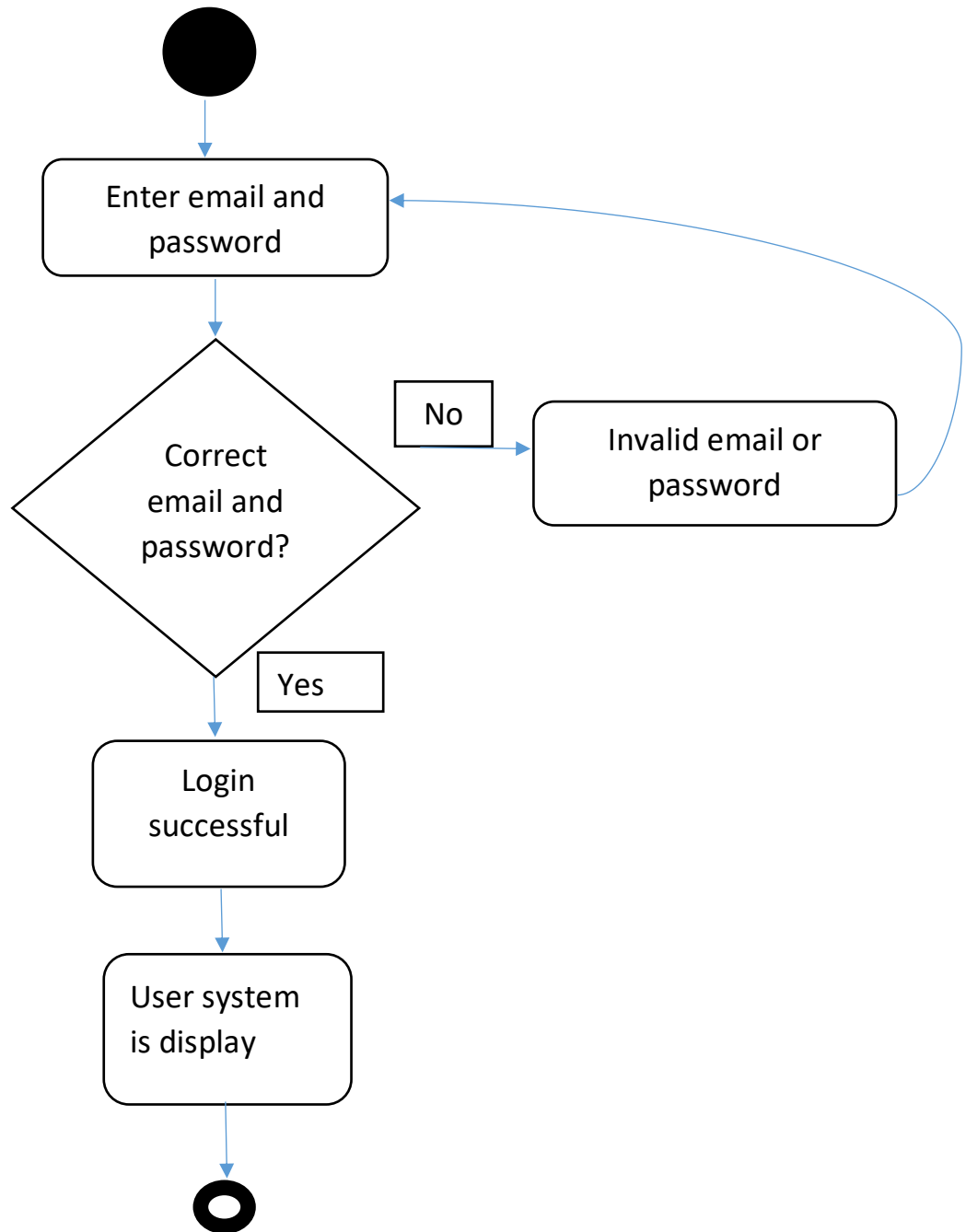
3.2.3 Admin and user can register
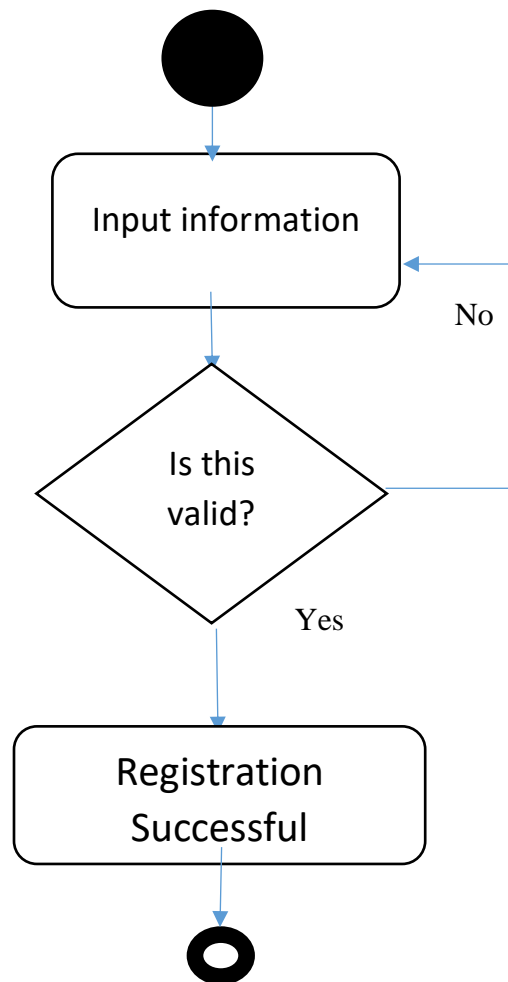
3.2.4 Admin users can access the main page
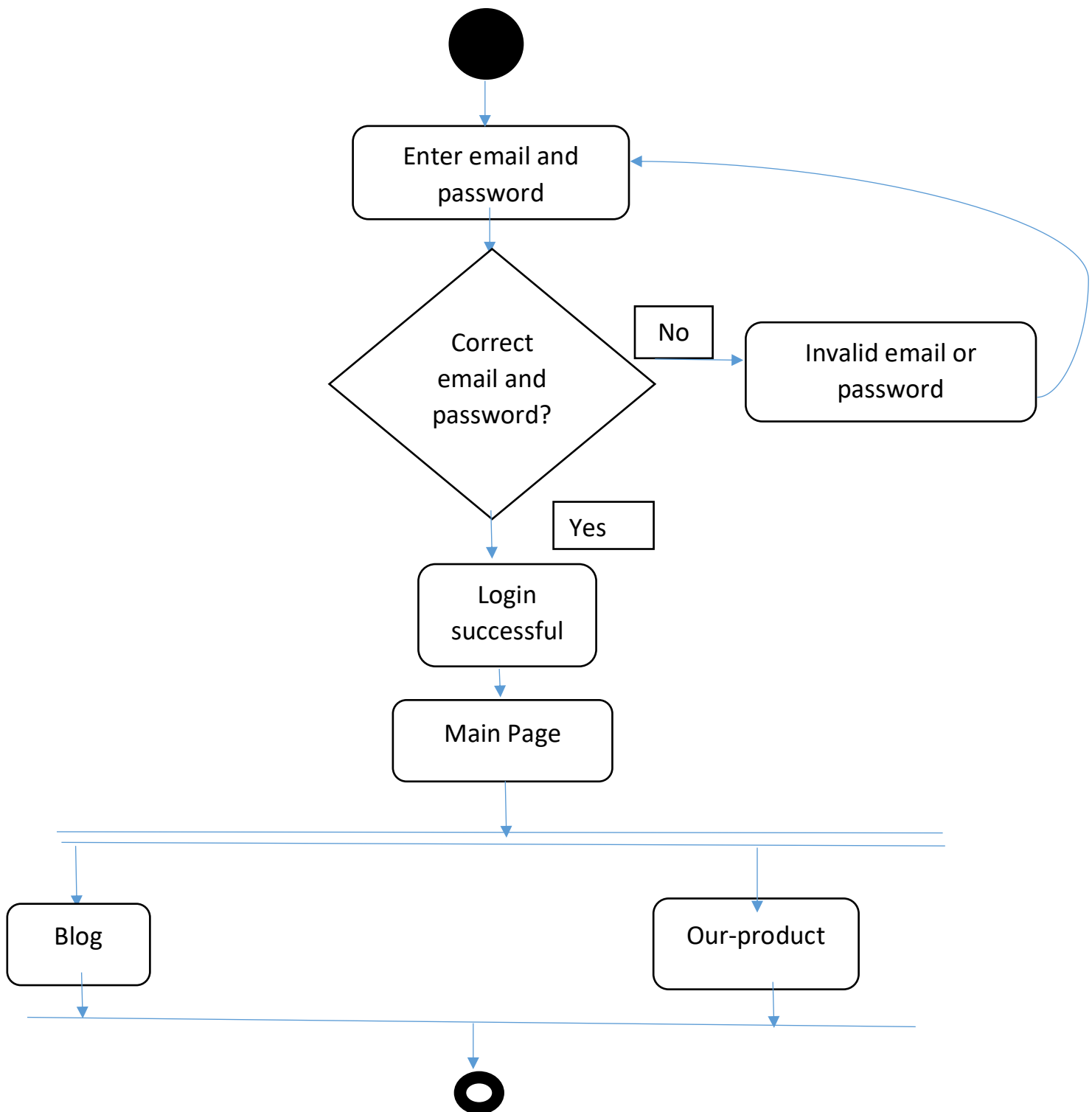
3.2.5 Admin can manage the profile

Admin panel

Users

Update profile

Delete profile
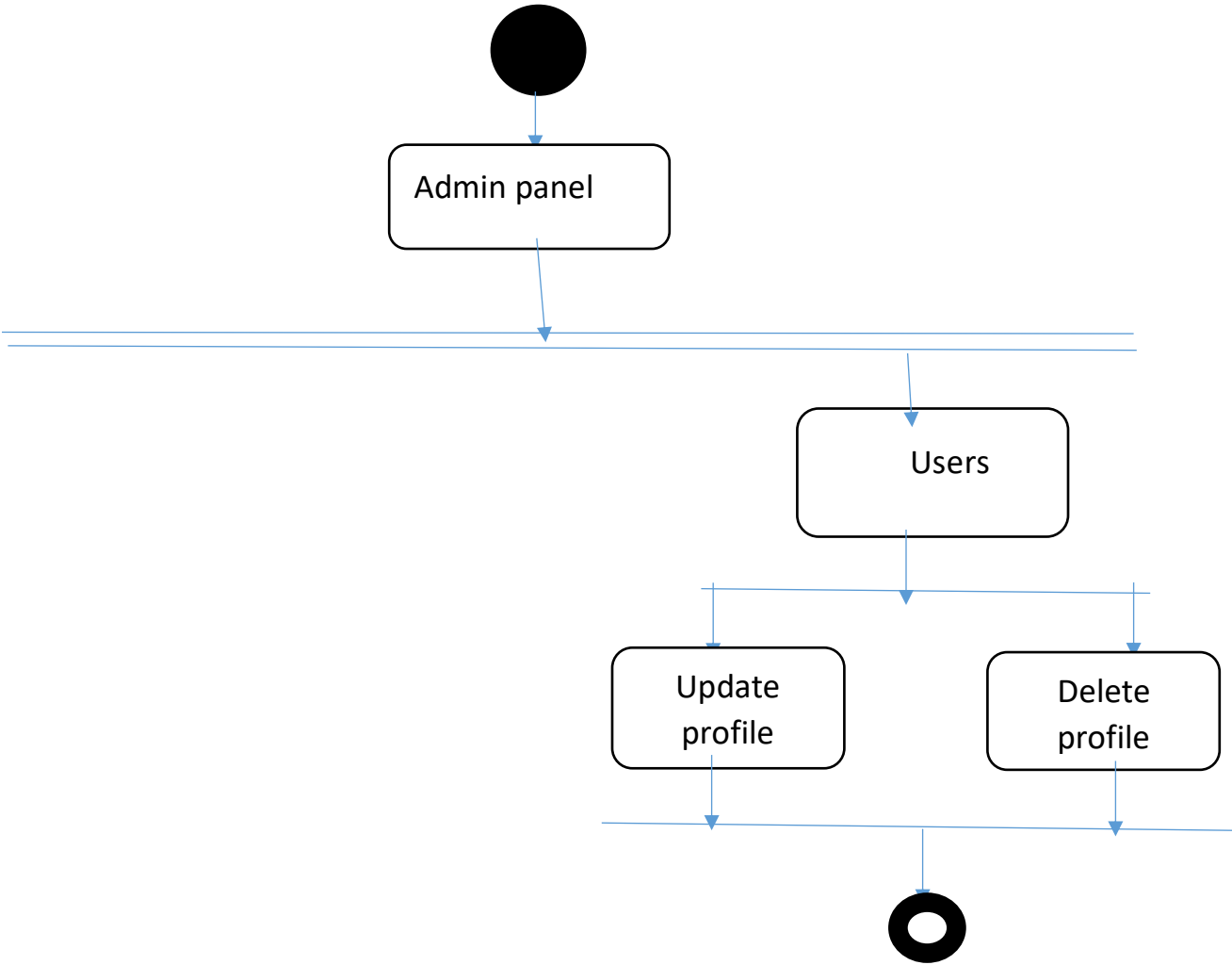
3.2.6 Admin and user can post blog

```
        ●
        │
        ▼
  ┌──────────────┐
  │  Home page   │
  └──────────────┘
        │
════════▼════════════════
        │
        ▼
  ┌──────────────┐
  │    Blog      │
  └──────────────┘
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        ▼
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  │   Create     │
  │   blog       │
  └──────────────┘
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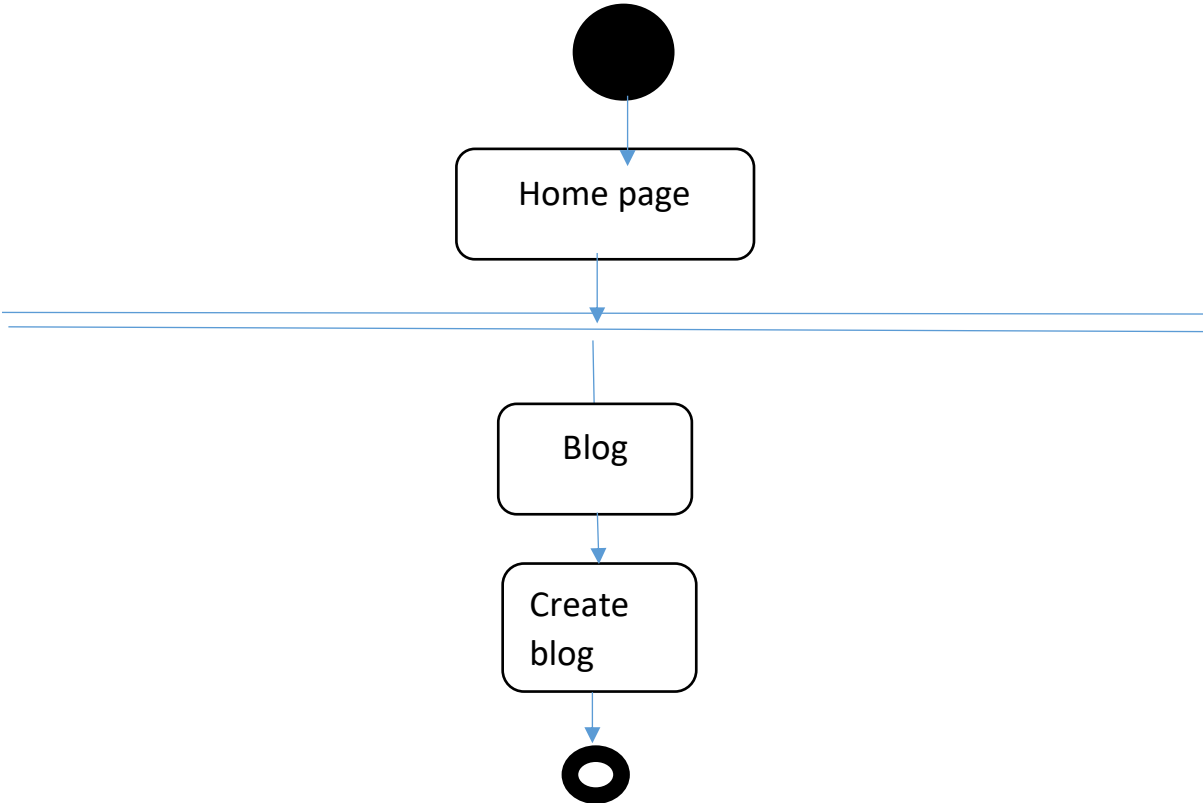
3.2.7 Admin can manage products
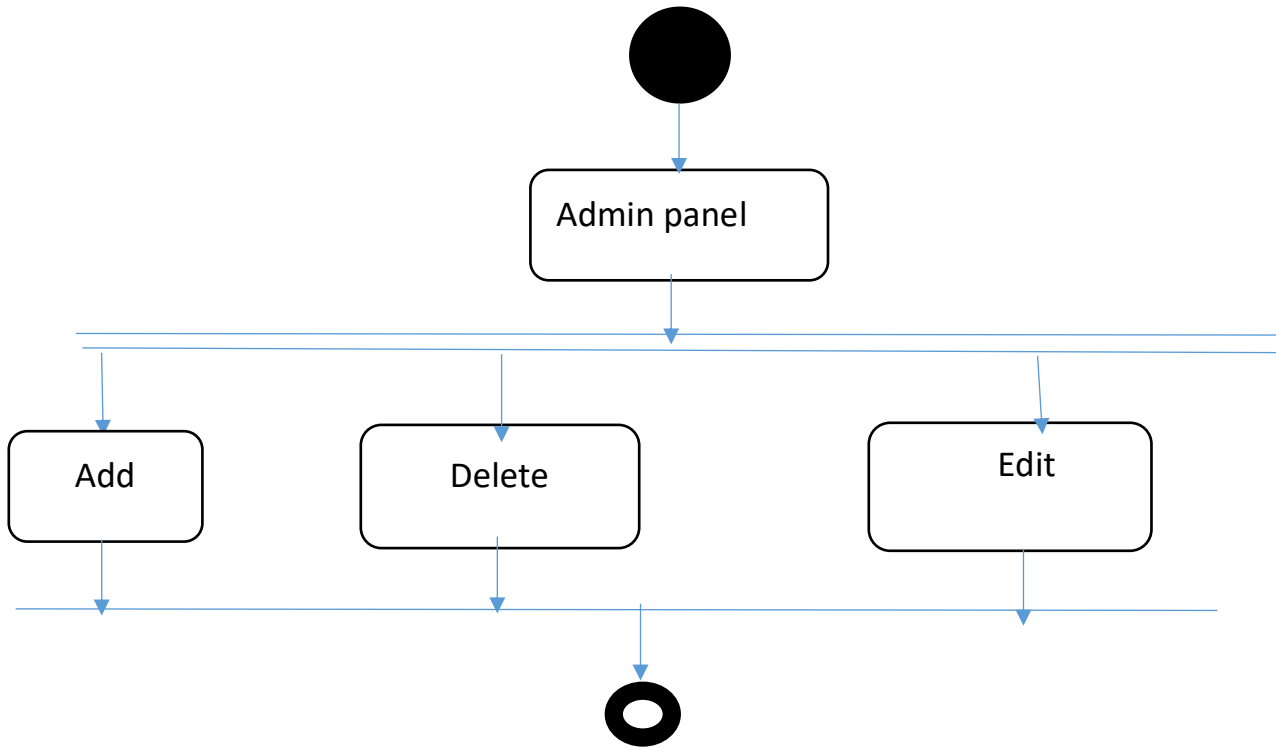
3.2.8 Users can see all products

Main Page

Our product
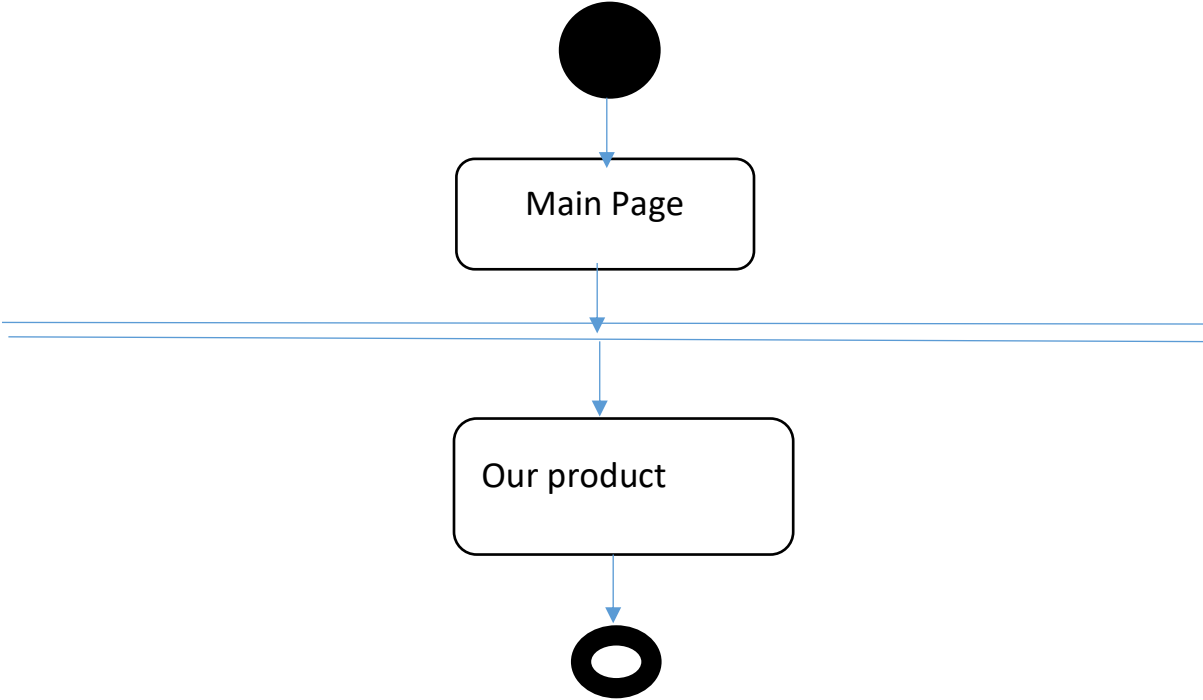
3.3 Sequence Diagrams

Mainly sequence diagrams understand how the data will be followed in any application. Now we are going to show some sequence diagrams.

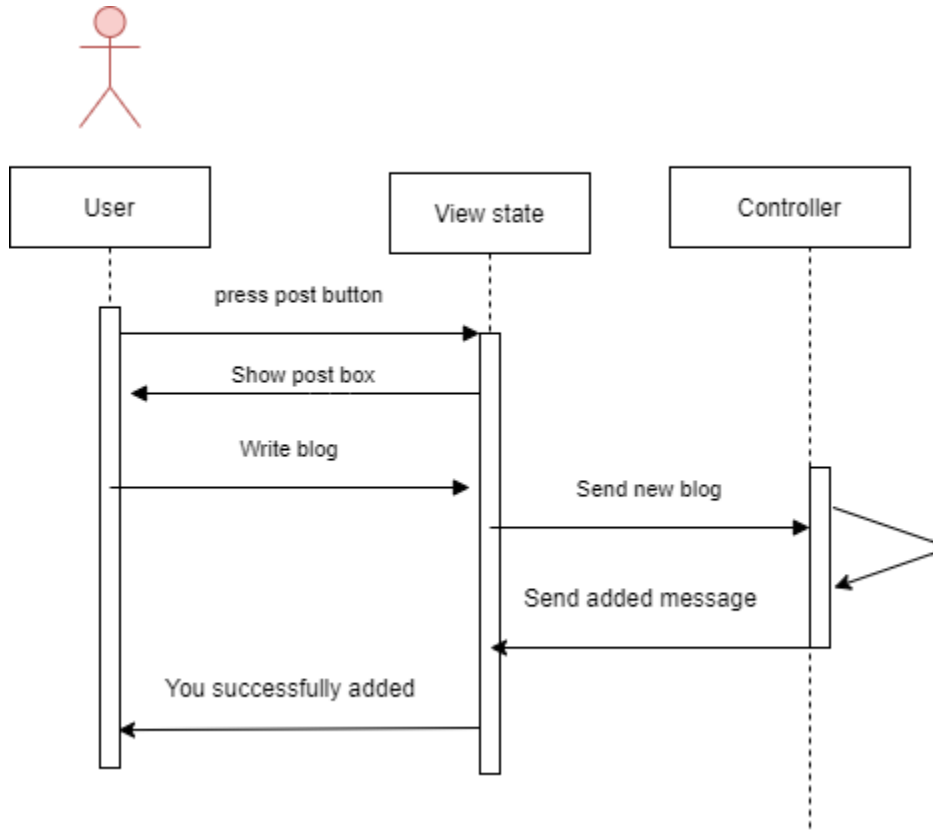### 3.3.1 For the user and admin login
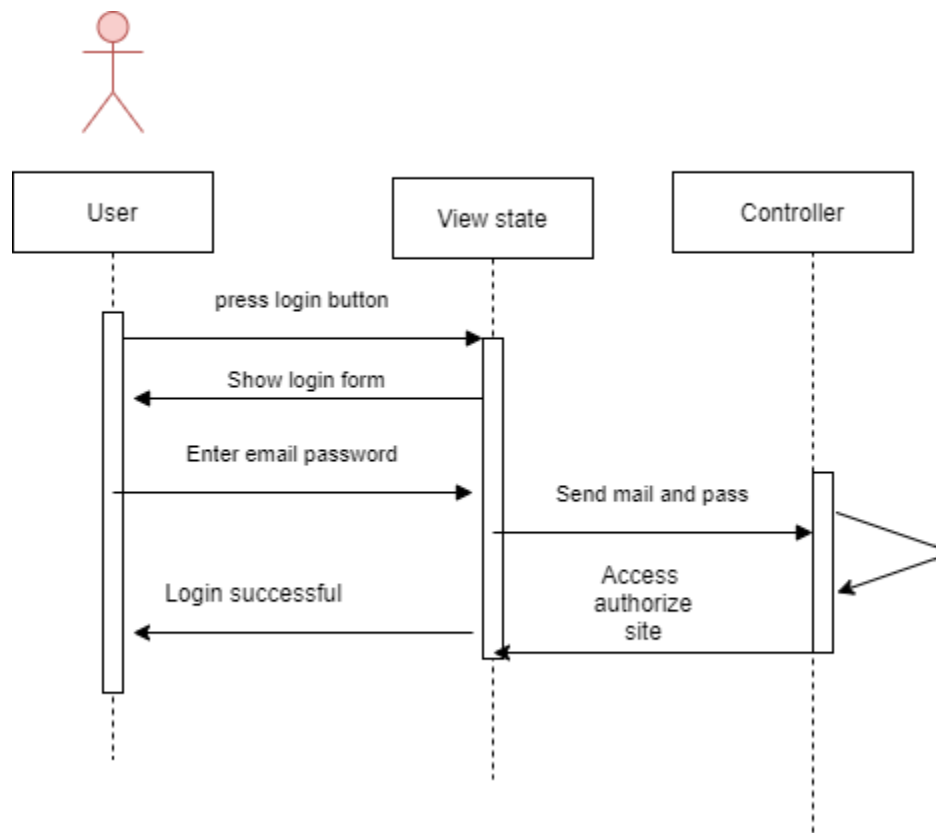
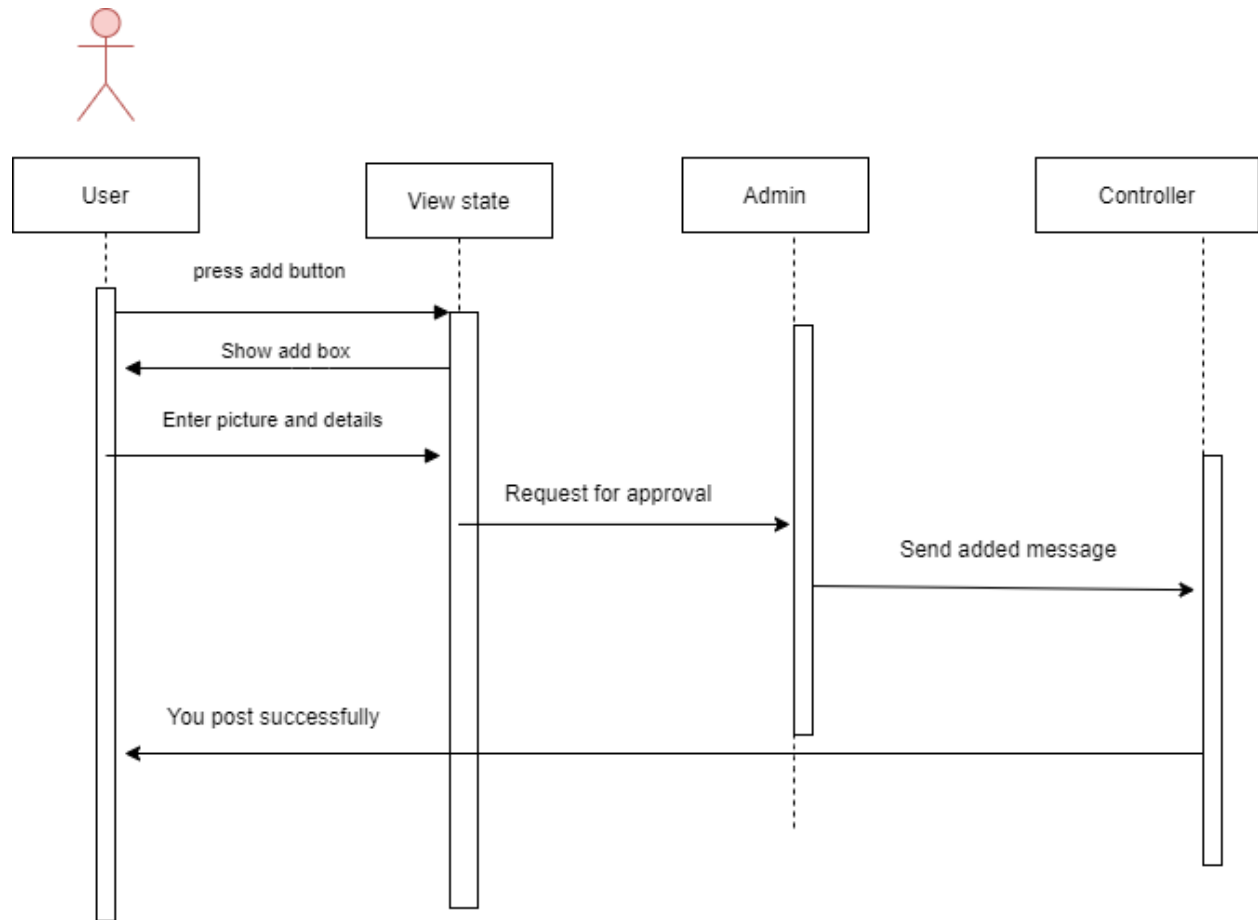## 3.3.2 For users register
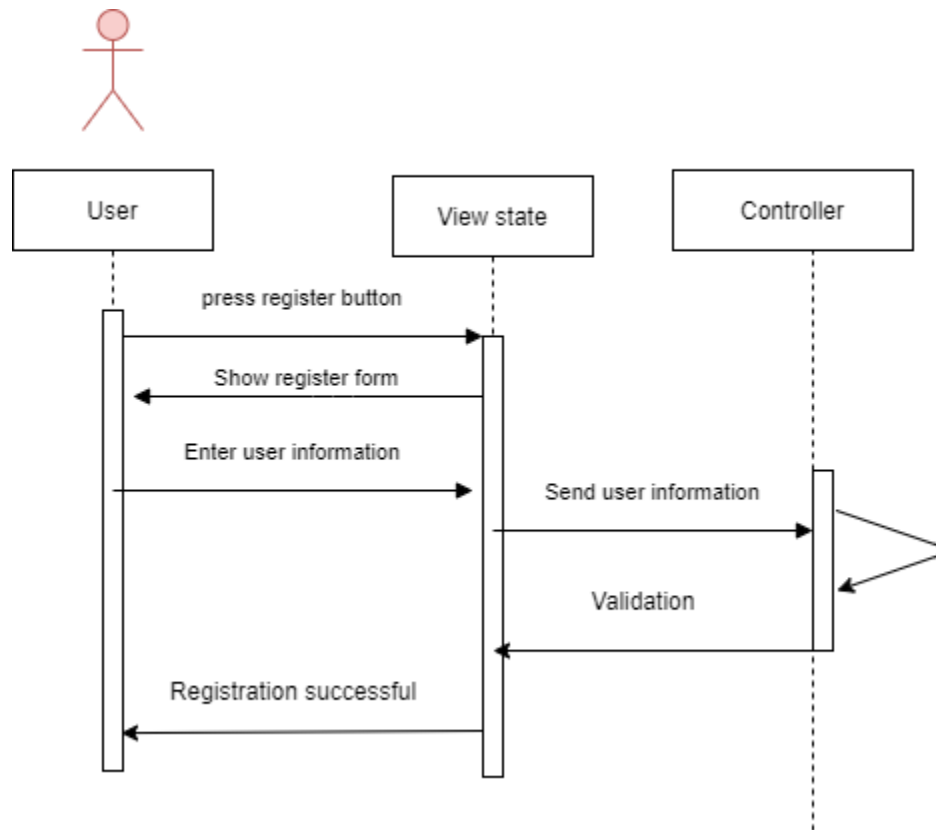
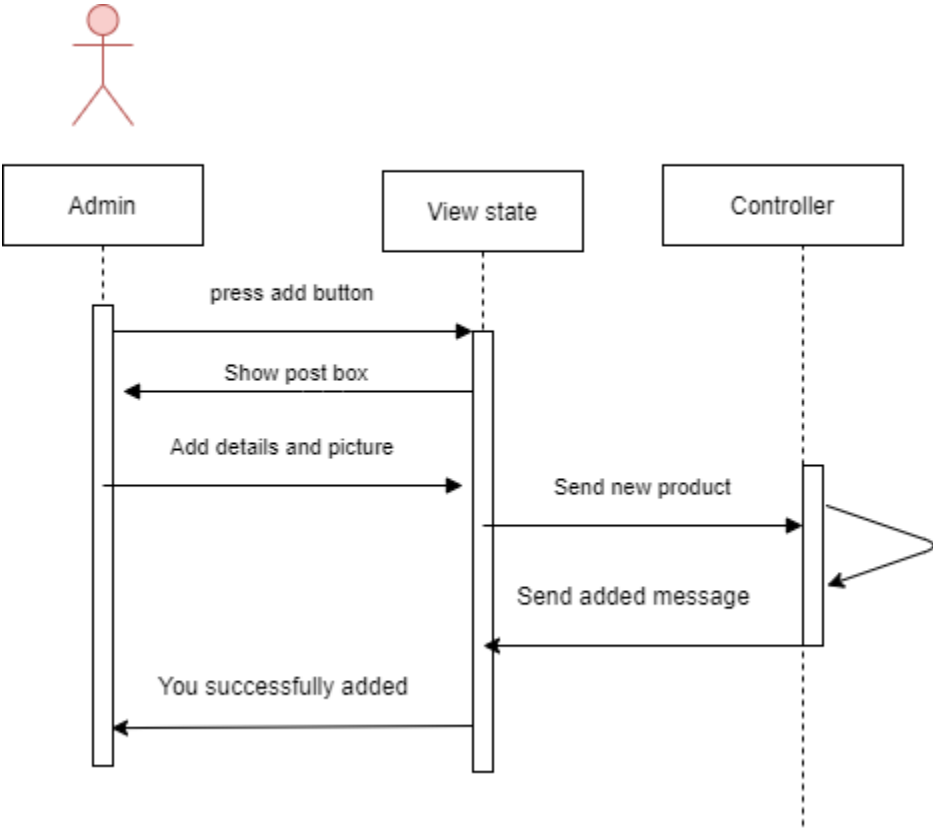### 3.3.3 Admin can update profile
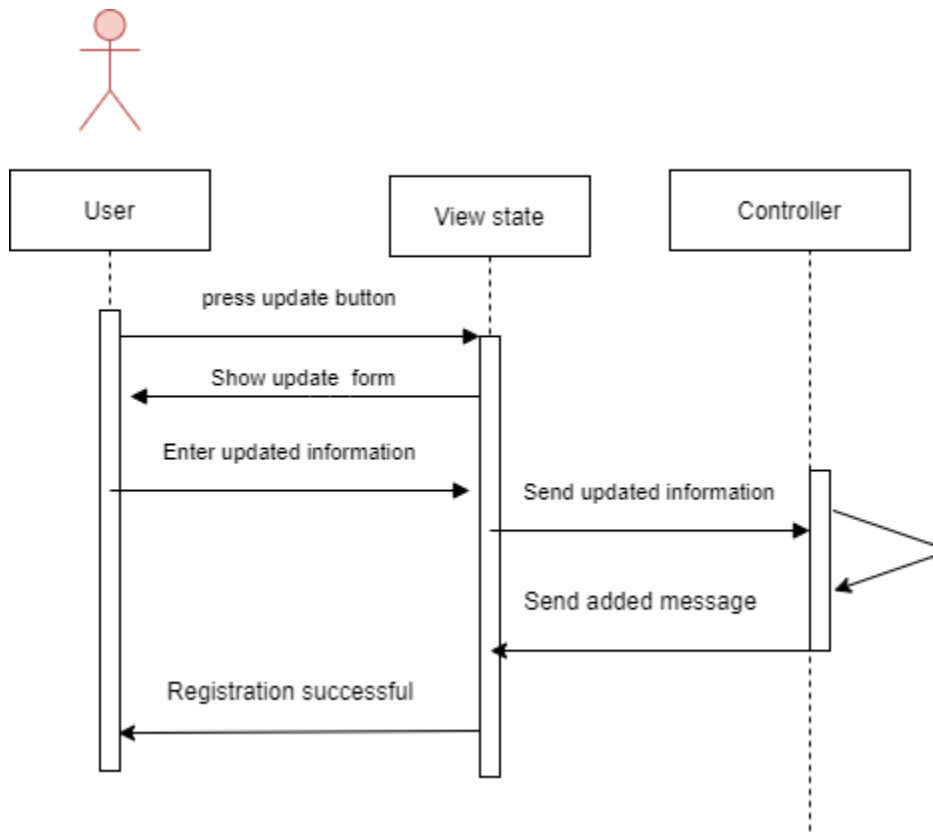
3.3.4 Admin can delete profile
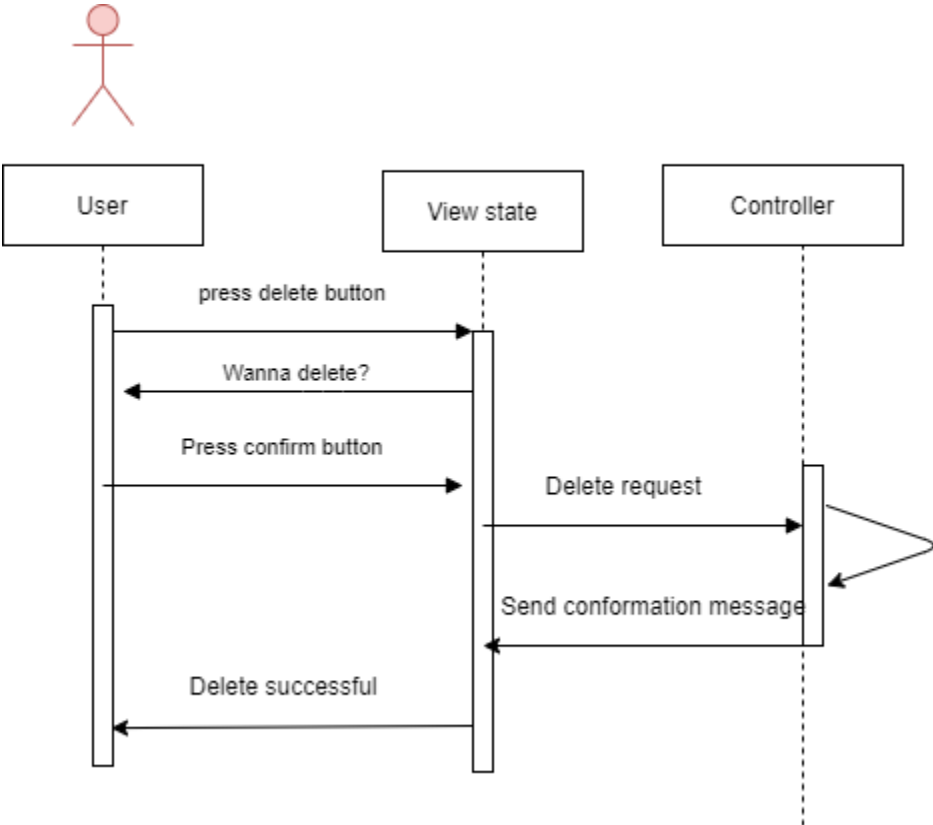
3.3.5 User and admin can post blog

3.3.6 Admin can post Advertisement

3.3.7 Admin can add product

Admin   View state   Controller

press add button

Show post box

Add details and picture

Send new product

Send added message

You successfully added

Chapter 4
System Design Specification

4.1 Development tools and technology
Developing software tools are must be needed. There are many different kinds of tools for developing software in a different language. For my project development, I used the laravel MVC framework, and for the editor purpose, I used visual studio.

4.1.1 User Interface Technology
I've used Html, CSS, and Bootstrap for frontend development.

4.1.2 Programming Language
While developing software, the most important part is a programming language. The security, performance, and some of the other features are related to programming language. I've used Html, CSS, and bootstrap for frontend development, and Entity framework for database design in the visual studio. I've used PHP the server-side programming language. I applied that in the laravel framework as well. Both of them are open sources to the general-purpose scripting language. I've used google chrome.

4.1.3 Integrated Development Environment
IDE stands for Integrated Development Environment. Programmers write code on IDE. After that IDE provides the feature to execute the source code. For developing my web application, I have used one IDE. To develop my web version, I have used visual studio which is powered by Microsoft Company. It is a commercial IDE for a cross-platform environment. It is programmed to suggest code to the programmers also.

4.1.4 Database Server
For developing our whole project, we have followed Relational Database Management System or RDBMS. We found that xamp which provides the feature of RDBMS. So we should not have any issue using the visual studio local database. It is also very easy to use. It can also be able to ensure security, scalability, high performance, and so on.

4.2 Entity Relation Database diagram (ERD)
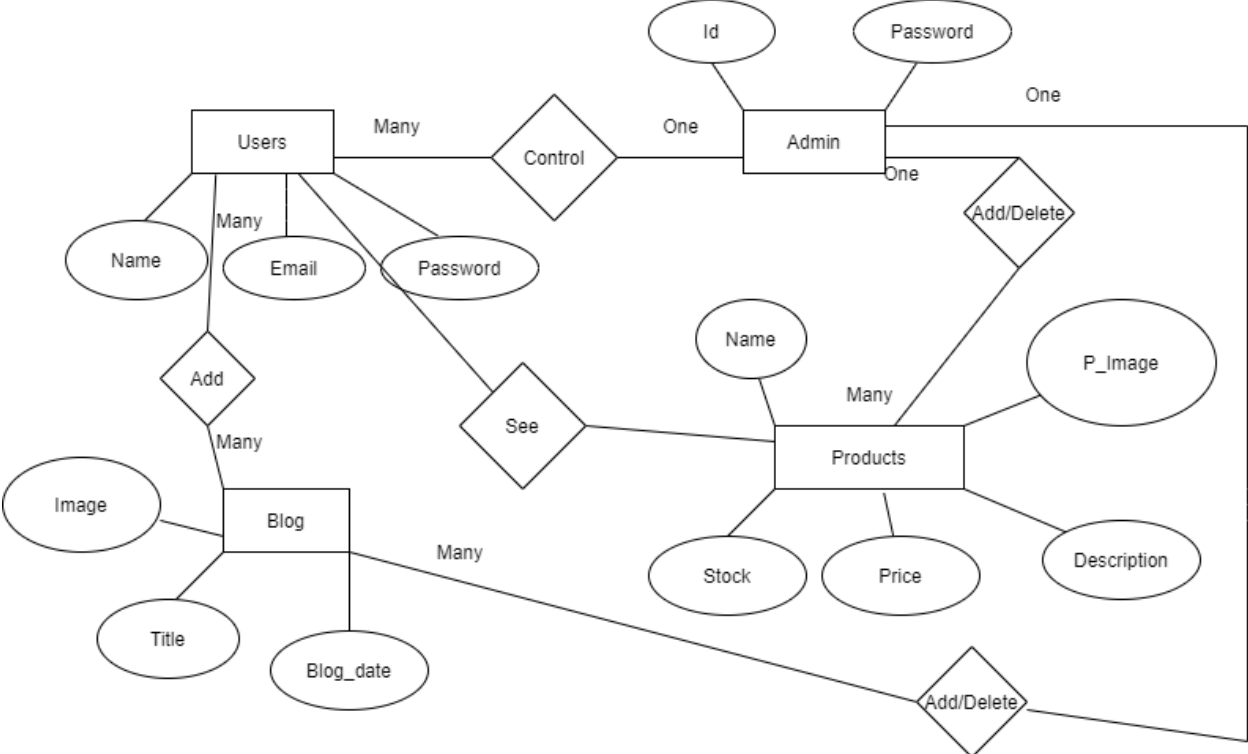
Chapter 5
System Test

5.1 Testing Features

Features of the testing square measure taken under consideration to change sensibly the sensible} demand to the appliance system for testing the project practical choices, over one testing methodology unit of measurement follow to form certain the tactic works properly. Virtually every feature and utility have utterly totally different characteristics. Those space units are designed to make the applying extra useful, intuitive, reliable, secured, scalable, effective, and economical.

5.1.1 Features to be tested

Features	Priority	Description
Register	1	Registration should be valid by the user
Login	1	Users need to documented by login
Logout	1	Session should be destroyed once logout
Update profile	2	When the admin update one thing it ought to work properly
Delete profile	2	Selected things deleted properly
Add blog	1	This is that the most significant operate. When users and admin post or add blog it should visible the blog page properly
Delete posted blog	2	Admin deleted any post it should delete successfully
Manage products	1	Admin add products and remove products this function has to properly

Here,

 3 = Low priority

2 = Medium Priority

1 = High priority

5.2 Testing Strategy

In order to check any system, a method for testing the method should be followed. This nut is primarily accustomed take a look at the item, methods, and total accessible resources. We have a tendency to principally utilize it to check some options which may be broken or hacked. The take a look at team leads ought to examine it then. Reckoning on the kind of application system that has to be evaluated, several testing methodologies are used.

5.2.1 Test approach

The tester should adopt some methodology to finish the complete method. We're demonstrating 2 testing approaches to assist you to perceive the testing method.

● Automation testing

Automation takes a look acting could be a term for a take a look acting technique during which test engineers produce scripts supported the test arrange and so utilize acceptable tools to check the program. Automation testing is employed by much each software system company of late.

● Manual testing

Manual testing is additionally the name of a method for testing Associate in the nursing application by searching for issues or vulnerabilities. While not the utilization of any automation technologies, take a look at engineers manually take a look at and execute the take a look at cases during this procedure.

5.2.2 Black Box Testing

The process of testing a package while not seeing the code is thought of as black-box testing. It merely tests the applying system exploitation valid and invalid input. If the system's links work fitly, the system is incorrectly tested. Useful and non-functional recorder testing square measure each potential. It disregards a system's internal mechanisms. To implement, we've determined to use similar category partitioning and boundary worth analysis methodologies.

5.2.3 Equivalent Class Partitioning

Equivalent partitioning is another name for equivalent class partitioning. The supplied data is separated into categories using this technique. Those data sets are predicted to behave in a similar way. Each group functions in the same way as the others. The key benefit of using the equivalent class partitioning strategy is that the total number of test cases is reduced from infinite to finite. Another benefit is that it can be used at all levels of testing. For legal input value output, meaning data will be produced. However, if the input value is incorrect, the output will not produce useful data.

5.2.4 Boundary Value Analysis

The software testing that allows input data to be included within a boundary range is known as boundary value analysis. Test engineers initially define the boundary value using this method. They then select a certain boundary and develop test cases that will be run through the application for testing purposes. Testers employ test cases to test applications software after they've completed those duties.

5.2.5 White Box Testing

White box testing, also known as clear box testing, glass box testing, open box testing, transparent box testing, code-based testing, or structural testing, is a type of testing approach. It is the polar opposite of black-box testing. In black-box testing, the internal architecture or algorithms are not known to the testers, but in white box testing, the entire program design is known to the testers.

For white box testing, testers can also predict the outcome of each test case.

- Unit Testing

- Integration Testing

- System Testing

The main advantage of white-box testing is that testing is more throughout and the testing can be started from the very beginning stage.

5.2.6 Pass / Fail Criteria

The test engineers will establish pass/fail criteria. They'll create pass/fail criteria based on which input data is working and which isn't. The data that has been well-worked will be deemed pass criteria. The remaining input data will be used as a failure criterion.

Now I'll give you the pass/fail criteria.

1. The failure of the system will not be considered a pass case.

2. If a criterion is met 100 percent of the time, it is only regarded as a pass criterion.

3. It's also a fail criterion if data can't be displayed properly to the program.

5.3 Testing Schedule

Test Phase	Time
Testing plan create	1 Week
Test specification	2 Week
Unit testing	During Development time
Component test	1 Week
Test Phase	Time
Integration testing	1 Week
Validating use cases	1 Week
Testing user interfaces	1 Week
Load testing	1 Week
Performance testing	1 Week
Release to production	1 Week

5.4 Trace Ability Matrix

Project Manager			Business Analyst Lead		
QA Lead			Target Implementation Date		
BR#	Category / Functionality / Activity	Requirement Description	Use Case Reference	Test Case Reference	Comments
BR-1	Functional	Register	Use case 3.1.2		
BR-2	Functional	Login	Use case 3.1.1		
BR-3	Functional	Update profile	Use case 3.1.4		
BR-3	Functional	Delete profile	Use case 3.1.4		
BR-4	Functional	Add product	Use case 3.1.7		
BR-5	Functional	Delete product	Use case 3.1.7		

5.5 Testing Environment

Testing environment refers to preparing the hardware and software environment so that test engineers can execute test cases as needed. Aside from hardware and software, to carry out test plans, network configuration may be required. Some critical areas must be set up in order to create a testing environment.

Those are:

- Test data

- Database serves

- Client's operating system

- Front end running environment

- Browser

- System and application

- Network

- Hardware with server operating system

- Documentation is also required. Like: user manuals, installation guides, configuration guides, documents, etc.

5.6 Test Cases

A test case is a set of rules, regulations, or conditions that can be used to determine if a system is capable of meeting the tasks or requirements specified in the test cases. We all know that any application has the potential to have flaws or break holes. This is a pretty common occurrence. And software testing methodologies are frequently used to address these difficulties. However, if we do not address these difficulties, the entire application development process may be jeopardized. As a result, adequate testing is required. I've written some test cases to help us test our application. Now I'm going to give them to them.

5.6.1 Register

Serial No	Test Case	Input	Expected output	Actual output	Result
1	Add Name	Input any value	Correct	Correct	Passed
2	Email check	Without @	Invalid email	Please include an @	Passed

3	Password	Not 8 character	Not right	Password must be 8 characters	Passed

5.6.2 Login

Serial No	Test Case	Input	Expected output	Actual output	Result
1	Email check	Unregistered mail address	Error	These credentials do not match our records	Passed
2	Password check	Any password	Error	These credentials do not match our records	Passed

5.6.3 Create blog

Serial No	Test Case	Input	Expected output	Actual output	Result
1	Blog Title	Empty	Error signal	The description field is required	Passed
2	Blog description	Empty	Error signal	The description field is required	Passed
3	Blog Image	Empty	Error signal	The description field is required	passed

5.6.4 Products

Serial No	Test Case	Input	Expected output	Actual output	Result
1	See product	Click Our products Button	Open page	See all products	passed

2	Add product	Fill-up all field	Added data	Products see on product page	Passed

5.6.5 Admin can add, edit and delete

Serial No	Test Case	Input	Expected output	Actual output	Result
1	Add	Necessary value	Added successfully	Added things see on the page	Passed
2	Edit	Edit value	Update successfully	Update value see on the page	Passed
3	Delete	Press delete button	Delete successfully	Erase on page	passed

Chapter 6
User manual

6.1 Home page

6.2 Register Page
User and admin both have to register first. First, click the register button then fill up the form.

Name

Md. Asif Karim Akash

Email

asif35-2371@diu.edu.bd

Password

••••••••••

Confirm Password

••••••••••

Already registered?   **REGISTER**

6.3 Login Page
Register users click the login button then enter their register mail and password. Then they will be able to access the full system.

6.4 Admin and users both read the blog

Click the blog button then the blog page will be open and registered users can read all post

Create Blog

Latest Blogs

Jersey Cow

The Jersey is a British breed of small dairy cattle from Jersey, in the British Channel Islands. It is one of three Channel Island cattle breeds, the others being the Alderney – now extinct – and the Guernsey. Weight: Male: 540–820 kg (1,200–1,800 lb); Female: 400–500 kg (900–1,100 lb). Dairy milk yield is found to be 20 liter whereas cross bred jersey, cow gives 8-10 liter per day.

Jasmine Rice

Jasmine rice is a long-grain variety of fragrant rice. Its fragrance, reminiscent of pandan and popcorn, results from the rice plant's natural production of aroma compounds, of which 2-acetyl-1-pyrroline is the most salient. To cultivate jasmine rice, choose a place that gets plenty of sunlight and water. If weed removal is not very important, the crop will not get the required space and nutrients. Before sowing, the seeds should be soaked in water for 12 - 36 hours, after which the seeds are dug into small pits. Then cover with soil. The pits are dug in the same rows. Watering daily should always be done in moist soil. Beds should be built around them to allow water to build up. After 90 to 180 days, when the jasmine rice plant is 15 inches long, it should be drained and allowed to dry. Jasmine rice is then removed from the stalks by machine or by hand.

6.5 Create Blog

Admin and registered users can only post a blog. For this, they have to click create a blog then they found a box to post a new blog. Fill up all empty box click add button then a new blog will be added.

Back To Blogs

Blog Title

Tomato

Blog Description

Growing tomatoes is often the impetus for starting a vegetable garden, and every tomato lover dreams of growing the ultimate tomato: firm but juicy, sweet but tangy, aromatic, and blemish-free. If you are starting tomatoes from seed, give the seedlings plenty of room to branch out.1 Yes, that means thinning the seedlings to one strong plant per cell or small pot. Snip the weaker, smaller seedlings in favor of the best grower. Crowded conditions inhibit their growth, which

Blog Image

Choose File   sow_grow_tomtato.jpeg

Submit

6.6 Our product

When someone clicks our product button they will be able to see all products. This is for those who need this information. Users found their product price and seller address and phone number.

Trending Product

Rice
Price: 55 taka kg
Seller Address: Shukrabad,01724535360

Potato
Price: 25 taka kg
Seller Address: Rangpur,01724535360

Tomato
Price: 85 taka kg
Seller Address: Norshindi,01724535880

Chicken
Price: 140 taka kg
Seller Address: Bhai Bhai farm,01724535360

Cucumber
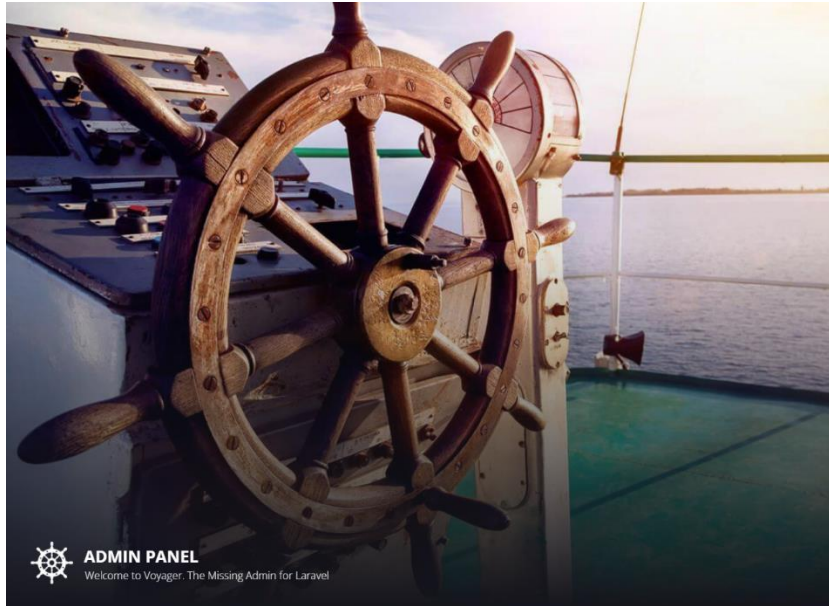Price: 35 taka kg
Seller Address: Jessore,01724535360

Beef
Price: 520 taka kg
Seller Address: Savar Dairy,01724535360

6.7 Admin Panel

This section is for admin. Admin has to login first for entering the control panel. In this panel, the admin will be able to access all the information. If he wants he will be able to edit delete and add anything.

SIGN IN BELOW:

E-mail
admin@admin.coms

Password
••••••••

☐ Remember me

LOGIN

ADMIN PANEL
Welcome to Voyager. The Missing Admin for Laravel

Blogs ⊕ Add New 🗑 Bulk Delete

Show [10 ▾] entries   Search: [   ]

☐	Name ⇕	Image ⇕	Description ⇕	Created At ⇕	Actions
☐	Tomato		Growing tomatoes is often the impetus for starting a vegetable garden, and every tomato lover dreams of growing the ultimate tomato: firm but juicy, sweet but tangy, aromatic, and blemish-free. If you ...	2021-12-27 14:14:56	✎ Edit 🗑 Delete 👁 View
☐	Jasmine Rice		Jasmine rice is a long-grain variety of fragrant rice. Its fragrance, reminiscent of pandan and popcorn, results from the rice plant's natural production of aroma compounds, of which 2-acetyl-1-pyrrol ...	2021-12-14 06:01:36	✎ Edit 🗑 Delete 👁 View
☐	Jersey Cow		The Jersey is a British breed of small dairy cattle from Jersey, in the British Channel Islands. It is one of three Channel Island cattle breeds, the others being the Alderney – now extinct – and the ...	2021-12-14 05:32:00	✎ Edit 🗑 Delete 👁 View

Showing 1 to 3 of 3 entries

‹ Previous [1] Next ›

44

Products ● Add New 🗑 Bulk Delete

Show 10 ▾ entries   Search: [   ]

	Name	Price	Category	Gallery	Description	Created At	Image	Actions
☐	Cabbage	Price: 25 taka kg	vagetables		Seller Address: Rangpur,01724535360	2021-12-14 05:28:45		👁 View ✎ Edit 🗑 Delete
☐	Beef	Price: 520 taka kg	meat		Seller Address: Savar Dairy,01724535360	2021-12-14 05:26:57		👁 View ✎ Edit 🗑 Delete
☐	Cucumber	Price: 35 taka kg	daily cooking		Seller Address: Jessore,01724535360	2021-12-14 05:21:36		👁 View ✎ Edit 🗑 Delete
☐	Chicken	Price: 140 taka kg	meat		Seller Address: Bhai Bhai farm,01724535360	2021-12-14 05:20:18		👁 View ✎ Edit 🗑 Delete
☐	Tomato	Price: 85 taka kg	vagetables		Seller Address: Norshindi,01724535880	2021-12-14 05:18:27		👁 View ✎ Edit 🗑 Delete

👤 **Users** ● Add New 🗑 Bulk Delete

Show 10 ▾ entries   Search: [   ]

	Name	Email	Created At	Avatar	Role	voyager::seeders.data_rows.roles	Actions
☐	11111	tanjilakarim1107@gmail.com	2021-12-26 12:41:18		Normal User	No results	👁 View ✎ Edit 🗑 Delete
☐	Asif Akash	asifakash2371@gmail.com	2021-12-13 18:08:21		Normal User	No results	👁 View ✎ Edit 🗑 Delete
☐	Admin	admin@admin.com	2021-12-13 17:52:42		Administrator	No results	👁 View ✎ Edit 🗑 Delete

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Chapter 7
Conclusion, Project Summary, Future scope

7.1 Project Summary
Since the middle of this year, I've been working on this project. To meet the requirements of stakeholders, this project has required hard effort, patience, and perseverance from the beginning. Following that, I offered a design. Then I got down to business. Any application software relies heavily on databases. As a result, I created a database diagram with tables that have suitable relationships. After that, I produced the user interface and received their approval to proceed to the next step. My application's UI is very straightforward and easy to grasp, it must be emphasized. After everything was completed, I began writing the project's fundamental functionality. Actually, completing a project is not the end of the process. There are a few more critical chores to complete. And that is what testing is all about. It's also referred to as quality control. A quality assurance staff can be found in almost every software organization. Their primary task is to locate software flaws or vulnerabilities. If any bugs persist after the project is handed over to the stakeholders, the entire project may be ruined. As a result, a testing strategy is critical. And, after completing the assignment, I am confident in the project's quality.

7.2 Limitations
I ran into some roadblocks while working on this project. Now I'll give you a quick rundown of those.

7.2.1 Limitation of Products
The system performs a bridge between the sellers and the buyers. The customers can gather information and target the seller for collecting their expected goods. The system doesn't incorporate the e-commerce platform. As a result, the customers fail to add the products to the cart and to the favorite list, confirm the order, make the payment or delivery system using the Farming Diary

7.2.2 Limitations of Blogs
This site is the best platform incorporating blogs along with visual interpretations or images. While going through a blog, people often get queries on different parts and they try to communicate with the writer via comment or inbox in that regard. On that point, it fails to let people communicate over comment section or any other criteria.

7.2.3 No mobile app version

I don't have a mobile version of the system to handle. However, web bootstrap is available for web-based mobile operating systems such as Windows or iOS. However, I have not created mobile apps for these versions. As a result, users must have access to a web browser.

7.3 Obstacles and Achievements

I feel that if there are no hurdles in the way of a project's development, then there are no challenges. Because we all know that challenges allow us to demonstrate our worth. Obstacles, challenges, and accomplishments all serve as stepping stones to success**.**

I had no idea how the software development life cycle worked before starting this project. I learned how to get a row of needs from clients while working on this project. Following that, I learned system analysis, database design, and a variety of other skills. My supervisor has been really helpful to me since the beginning of this project's growth.

7.4 Future Scope

Putting aside all of the drawbacks, this site will have a significant impact on our agricultural sector, opening up more and more opportunities for self-employment in the future. It will be built as an e-commerce site where users can place orders, pay for them, and receive their products either at home or at a pick-up location. It can also be used as a social networking platform for agricultural businesses and those who are interested in agro-farming. It may provide self-employment opportunities for young farmers or those who work in a personal environment. Furthermore, Farming Diary will assist the agriculture sector in reaching previously inconceivable heights, providing the ideal opportunities for entrepreneurs to flourish and young people to be inspired.

7.5 References

I've learned a few things from various platforms. Those references will, of course, be mentioned. Those resources are extremely beneficial to the success of my project. Now I'll list the names in below.

1. www.google.com

2. www.youtube.com

3. www.wikipedia.com

4. www.getbootstrap.com

5. www.w3schools.com

6. www.stakeoverflow.com

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