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E-Buy-Garden

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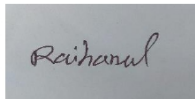
A project submitted in partial fulfillment of the requirement for the degree of Bachelor of Science in Software Engineering

Department of Software Engineering
Daffodil International University
Spring- 2020

DECLARATION

DECLARATION

We hereby declare that we have taken this project under the supervisor of **Md. Anwar Hossen**, Senior Lecturer, **Department of Software Engineering, Daffodil International University**. We also declare that neither this thesis/project nor any part of Project has been submitted elsewhere for award of any degree.



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Abstract

E- buy garden is a e commerce site which can help people to buy a product online . people can buy a product online without going to market . Using this application people reduce their time so they spend their time properly. Using this application people also released their physical hard work by order product from online. In this application people can buy men , women and kids accessories with a easy way. This is cash on delivery system people confirm their order and get home delivery with agent.

Key words: E-Buy-Garden

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Md.Raihanul Kabir

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Chapter 1

Introduction

1.1 Project Overview

E- Buy Garden is a online Shop management System or E-commerce site where User can visit the website and view the product then user can order the product. User confirmed their order and pay money by credit card and bkash

In this web application customer view the best sell product by location wise .If Dhanmondhi area best sell product is polo T -shirt E-buy Garden show polo T – shirt is best sell in Dhanmondhi . Customer also rating the product and comment about the product.

1.2 Project Purpose

E- Buy Garden is a online shop management system so people can easily reduce their unnecessary hard work . They can save their necessary time and spend with a proper way. people can buy a product with low cost because most often time E-buy Garden give more attractive discount.

1.2.1 Background

Nowadays people will wish want to buy a product so what they do now! he or she must be go to market. At first choice the product, sells man took the product to the customer. It's a hamper of time and work. Nowadays many unknown E-commerce website stabilized but they did not show proper discount of a product .but in this web application people find a product easily with a proper discount .they can also search a product by location wise that which product is best sell in this area. They can also rat this product.

Usually, the patron can be requested to fill or pick out a billing deal with, a delivery address, a transport alternative, and price facts such as a credit score card variety.

1.2.2 Benefits Beneficiaries

Now List to benefits and Beneficiaries this application

- In this web application people easily buy a product without going to home
- People find best sell product with location or area wise

- user get rate a product
- user get more and more offer
- Stay open 24*7/365
- People also pay bill bikhaskh or credit card
- customer can find some unique product
- People brought a product with low cost
- It is a authenticated and trustful web application

So, The our motive is to create an online place where a Public can buy for there choice product.

1.2.3 Goals

E-Buy Garden is one of the earning sources for businessman and part time sells man those who have evolved E-commerce businesses.

1.3 Stakeholder

Two main Stakeholder for this system:

- Admin
- User

Admin : Admin can put up submit any product for promoting which the public should buy the product. All instances admin accumulate all motion and reply feedback of purchasing information.

User : User buy product with easier and simple process. User can find their chosen product with very short period of time.They can buy product with details description.User comment any product and also provide more information to complete their transaction.

1.4 Proposed System Model

I have already organized a website. This model will clarify our proposed gadget in short.

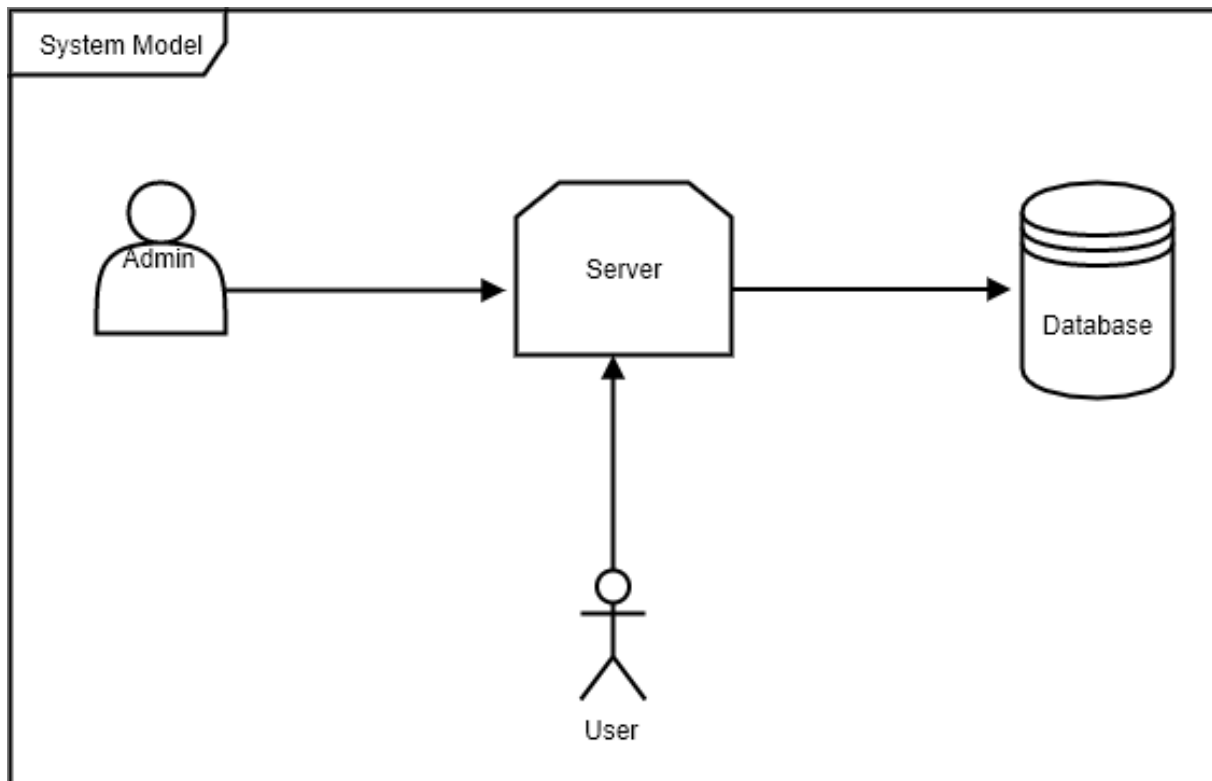


Figure 1.1: System Model

1.5 Project Schedule

Right scheduling is helping to complete the venture correctly and on time. Project scheduling makes ideal paintings go together with the go with the flow to little by l time-body. The scheduling is ought to for internet software.

1.5.1 Gantt Chart

Gantt chart is especially production manipulate tools. It remained us to complete our assigned obligations within a certain time period. For growing an internet site, it's miles on the customer's use. Now I will display a Gantt chart for our task the software:



Figure 1.2: Gantt chart

1.5.2 Release Plan or Milestone

The release plan or milestones are given below:

Activities	Duration in Month	Total Month
Brainstorming	First-half(First month	0.5(Half month)
Problem identification	First month	1
Requirement specification 1.5	Second-half (Second month)	Third month
Requirement analysis	Third month	1
Sketching	Fourth month	1
Design specification	Fourth month	1
Database design	Second-half (Fourth month)	0.5
Post for booking party center	First-half (Fifth month)	1.5
Post for laundry service	Second-half(Fourth month)	1
Quality assurance 1	Second-half (Third month)	First-half(Fourth month)
Test case	First-half (Fifth month)	0.5
Unit testing 1	Second-half (Fourth month)	Fifth month
Black-box testing 2	Fifth month	Sixth month
Website	Eight	1

Table 1.1: Release Plan

Chapter 2

Software Requirements Specification (SRS)

2.1 Introduction

In this chapter, periodic patterns mining relevant literature's in unstructured and structured databases have been reviewed. The main focus of this project is mining periodic patterns in E-BUY service representation model. At first, some periodic patterns mining research in unstructured database are described briefly. Finally, we conclude this chapter mentioning some limitations of existing works and make clear our motivation.

2.2 Functional Requirements

Functional requirements seek advice from the characteristic that's ought to belong to the gadget. Functional necessities are mandatory to perform the software device. There is no gadget with our practical requirements. Now, we are going to speak about practical necessities for my application.

Priority Chart : A Prioritization Matrix is a useful method to identify which issues are the most important to paintings on solving first. The Matrix facilitates you rank problems or problems generated via brainstorming. Using Priority Chart we will perceive which characteristic need to get High Priority and which one should be Medium and which one is Low.

In Priority Matrix there is two part one is "Important" another one is "Urgent". If any function is:

Important also Urgent = High Priority

Important but Not Urgent = Medium Priority

Not Important but Urgent = Low Priority

Not Important and Not Urgent = Ignore It

Important also Urgent	Yes	No
Yes	High Priority	Medium Priority
No	Low Priority	Ignore It

Priority of our system features based on Priority Chart

Freq.No	Use case	Important	Urgent	Priority
FR01	Create Profile	Yes	Yes	High
FR02	Login Of Admin	Yes	Yes	High
FR03	Post for Items	Yes	Yes	High
FR04	Order for Items	Yes	Yes	High
FR05	View Items	No	Yes	Medium
FR06	View Chart List	Yes	Yes	Medium
FR07	View Profile	No	Yes	ignore It
FR08	Edit Admin profile	Yes	Yes	Medium
FR09	Conformation Post	Yes	Yes	High

Table 2.1: Priority Chart.

2.2.1 Admin Registration

FR01	Create Profile		
Description	Admin can create the profile with Valid require information like Name, Phone number, Address, Email etc. Admin must be login into the Application for perform this task.		
Stakeholder	Admin	Priority : High	

2.2.2 Login For Admin

FR02	login for Admin		
Description	Admin can create an account. And also that they showing that notice for items.		
Stakeholder	Admin	Priority : High	

2.2.3 Post For Items

FR03	Post for Items		
Description	Admin can post Items where all public can buy for Items under Bangladesh.		
Stakeholder	Admin	Priority : High	

2.2.4 Order For Items

FR04	Order For Items		
Description	When customer can checks out then user public can order for Items under Bangladesh.		
Stakeholder	User	Priority : High	

2.2.5 View Items

FR05	View Chart List		
Description	User can see all products for buy.		
Stakeholder	User	Priority : Medium	

2.2.6 View Chart List

FR06	View Chart List		
Description	User can able to see all products. After a period of session the all activity of public, goes to previous history.		
Stakeholder	User	Priority : Medium	

2.2.7 Admin View Profile

FR07	View Profile		
Description	Admin can able to see his profile . After a period of session the all activity of public, goes to previous history.		
Stakeholder	Admin	Priority : Medium	

2.2.8 Admin edit their Profile

FR08	Edit their profile		
Description	Admin can Edit their order post. For edit their have to go their apply through clicking previous button on menu bar “Edit”. And click the Edit button user can edit their own profile.		
Stakeholder	User	Priority : Medium	

2.2.9 Conformation Order Post

FR9	Conformation Post		
Description	Admin getting order product notification from user, then admin check the schedule and other info and confirm the post.		
Stakeholder	Admin	Priority : High	

2.3 Data Requirements

For attaining the version objectives data necessities prescribed scope and product of detail required. What statistics are needed for constructing the version may be known through amassing device records. Instead of amassing fashionable system facts it’s better to accumulating precise machine information. A usual process float can provide greater particular records. A method waft also facilitates to build a version constructing procedure.

We focus some of main points:

- Route order products and their capability
- The type of entity and their attributes
- Types of resources
- Entities movement
- What activity
- Quantity of data

2.4 Performance Requirements

Defined performance specs incorrectly can lead to disputes among user and E-BUY authority.

2.4.1 Speed and Latency Requirements

This is rare, in a few cases the reaction time may be dictated by means of legal necessities. Response time is critical for personal pride. If any gadget loaded greater than 10 seconds then a person keeps away from them of all activity.

RT1	View and order should be displayed less than 4 seconds		
Description	When user or Admin want to see any information then the view result must be show less than 4 second		
Stakeholder	User,Admin	Priority : Medium	

2.4.2 Precision or Accuracy Requirements

Always display the correct end result to all sorts of customers. Wrong facts stands up the false impression.

PAR1	View Result must be accurate		
Description	When the User or Admin want to see any information then the view result must accurate.		
Stakeholder	User,Admin	Priority : Medium	

2.4.3 Capacity Requirements

The gadget should be capable of assisting a positive amount of user and a certain amount of interactions.

RT1	Supporting a sure quantity of user and a certain amount of inter-actions.		
Description	Suppose the machine must guide two hundred People and one hundred interactions according to day.		
Stakeholder	User,Admin	Priority : Medium	

2.5 Dependability Requirements

The dependability is measured based on 4 dimensions. Such as:

- Reliability
- Availability
- Durability
- Reliability

Dependability is the capacity to offer offerings that can defensibly be depended on within a time-length.

2.5.1 Reliability Requirements

Reliability is the opportunity of failure-loose operation of a machine over a special time within a detailed environment for a precise cause.

DR1	The device should be failure-loose		
Description	The device ought to be failure-loose operation gadget and technical error-unfastened over a certain time inside this form of surroundings		
Stakeholder	User,Admin	Priority : High	

2.5.2 Availability Requirements

AR1	The ability of the system to supply service when requested		
Description	The device must be to be had on 24 X 7. The ability of the gadget to deliver provider when requested		
Stakeholder	User,Admin	Priority : High	

2.5.3 Durability Requirements

D1	Ensure that the system can cope with all user access or any outside tolerance		
Description	The device can address an blunders all through execution. Also, make certain that the system maintains well even of the failure of some of its additives		
Stakeholder	User,Admin	Priority : High	

2.6 Maintainability Support ability Requirements

System protection is most crucial necessities. For lack of safety the records could be stealing, manipulating information and causing denial of carrier.

Some security related categories

- Permission to access data
- Verification
- Securing information
- Security policies

2.6.1 Access Requirements

Reduce unauthorized get entry to there have some boundaries. There remain a few authentication and authorization method.

- Strong Access Control Measures
- Maintain an Information Security Policy

- Regularly Monitor and Test Networks
- Build and Maintain a Secure Network

2.6.2 Integrity Requirements

Ensure that facts and communications aren't deliberately corrupted through unauthorized advent, deletion, change. We use a Hash fee for touchy records.

2.6.3 Privacy Requirements

Privacy requirements are in the main needed for a device. In our system, we accomplice the Users and admin vicinity and all and sundry can see best the area this is related to them.

2.7 Usability and Human-Interaction Requirements

The system can be failed for Usability. User Experience is one of the most crucial factors for any system. The device must be clean to apply, easy to recognize and easy to research.

2.7.1 Ease of Use Requirements

This application may be very clean to use and smooth to comprehensible. There is not any long technique to finish a mission. Users can whole their motion with some steps.

2.7.2 Personalizing

In my Project, there are no personalising and internationalization requirements.

2.7.3 Politeness Requirements

I made this device primarily based on a centered place and all of those centered areas customers have acknowledged approximately our system because this device is making their life simpler. User can recognize this device by means of very own.

2.7.4 Accessibility Requirements

The requirements for the way smooth it needs to be for the customers and our system is very a great deal clean to buy product and recognize.

2.7.5 User Documentation Requirements

Gather the user expects and have to do it in the machine well is mandatory due to this requirement given by means of the consumer immediately. And after the complete system consumer can provide new requirements then it's additionally be added in the machine.

2.7.6 Training Requirements

If it wishes to train the person to apply the system nicely then it's a have to to training them nicely. In our venture, we don't need this type of training for consumer but a simple guide for them.

2.8 Look and Feel Requirements

If your systems look garbage then the person can experience boring and not going to the following step. Look and sense necessities are how the machine will appear to be and the way the consumer interface or graphical user interface of our machine will display to the consumer.

Chapter 3

Requirement Analysis

3.1 Introduction

I have use case diagram. And there are actors. Each actor plays a one-of-a-kind role. And those are already indicated to this use case diagram. This diagram will clarify my application in quick.

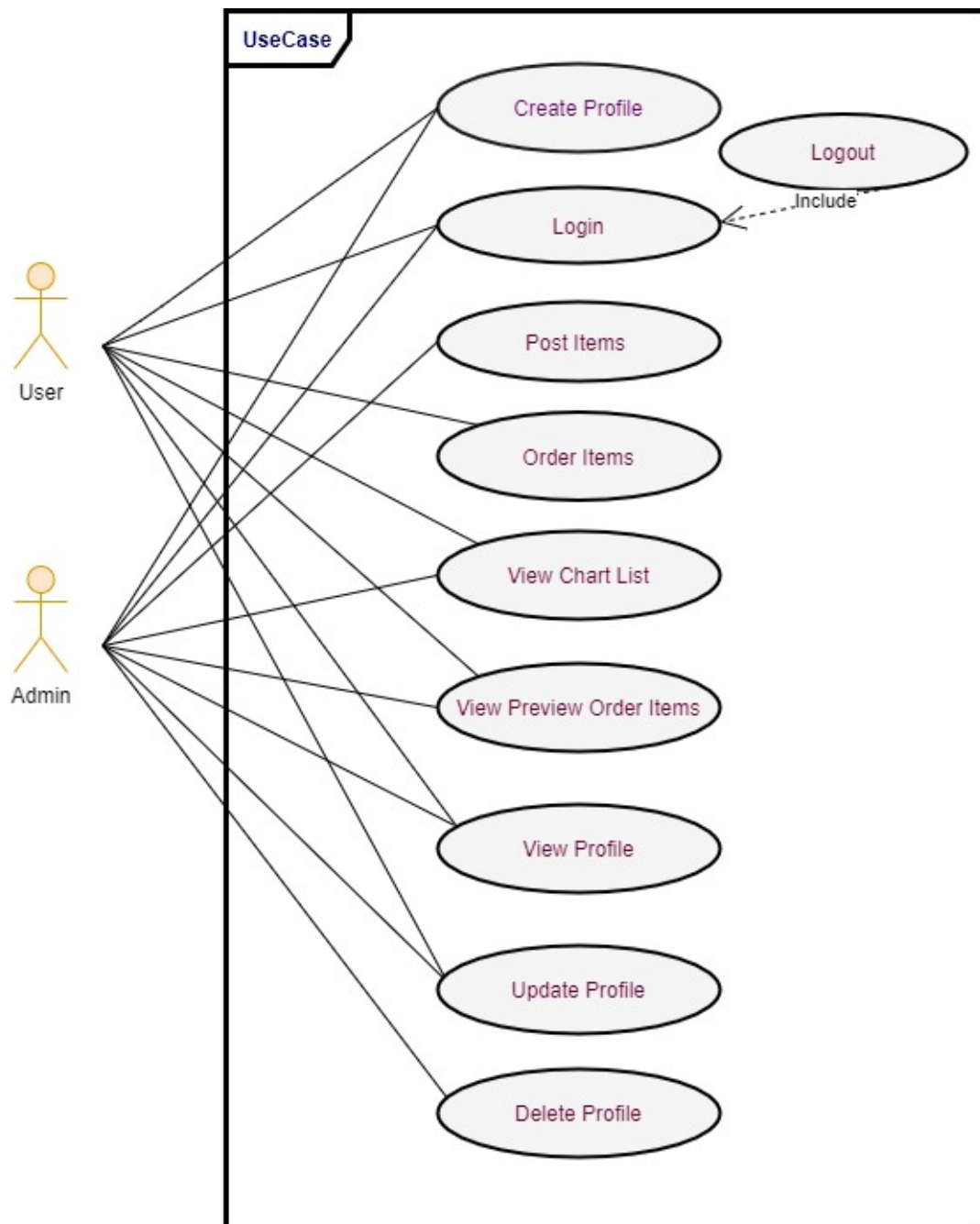


Figure 3.1: Use Case diagram for "E-Buy-Garden"

3.1.1 Case of Registration

Use Case	Create Profile	
Goal	Create Admin profile accounts	
Preconditions	User type must be admin	
Success End Condition	Create Admin profile successfully	
Failed End Condition	Can not create account	
Primary Actors	Admin	
Trigger	Admin click on the “Registration” button	
Description / Main Success Scenario	Step	Action
	1	Fill up all require information
	2	Create admin profile
Alternative Flows	Step	Action
	2a	Can’t admin user profile
	2a	Can’t access the system
Quality Requirements	N/A	

3.1.2 Case of Login

Use Case	Login For Admin	
Goal	Admin input the software after the login efficaciously	
Preconditions	Admin must exist in database	
Success End Condition	Admin can access the system	
Failed End Condition	The user name and password is not valid	
Primary Actors	Admin	
Trigger	Admin click on the “login” button	
Description / Main Success Scenario	Step	Action
	1	System display the login page
	2	Admin enter his Email and Password
	3	Admin click on the login button
	4	Admin access the system
Alternative Flows	Step	Action
	1	Email and Password in not valid
	2	Can’t access the system
Quality Requirements	Step	Requirements
	1	N/A

3.1.3 Case of Post Items

Use Case	Items Post	
Goal	Admin can post to Items Post schedule	
Preconditions	User type must be Admin	
Success End Condition	Successfully this post for items	
Failed End Condition	The Admin submit for post items.	
Primary Actors	Admin	
Trigger	Click on the “Post” button	
Description / Main Success Scenario	Step	Action
	1	Admin can be able to see order items
Alternative Flows	Step	Action
	1	Admin can't the post
	2	Can't access the system
Quality Requirements	N/A	

3.1.4 Case of Order Items

Use Case	Order for items	
Goal	User can be buy to any items	
Preconditions	Fill up all require information field	
Success End Condition	Successfully order for items	
Failed End Condition	User can't Order Items	
Primary Actors	User	
Trigger	User click on the “Order” button	
Description / Main Success Scenario	Step	Action
	1	User provide all required information
	2	Submit the order for any items
Alternative Flows	Step	Action
	1 Can't access the system	User can't order for items 2
Quality Requirements	N/A	

3.1.5 Case of View Order chart list

Use Case	View Order chart list	
Goal	User and Admin can see details information of any items	
Preconditions	User type must be public or Admin	
Success End Condition	See chart list details	
Failed End Condition	There are can't see of chart list	
Primary Actors	Admin And User	
Trigger	Click on the "Chart" button	
Description / Main Success Scenario	Step	Action
	1	User or Admin can be able to see chart list details
Alternative Flows	Step	Action
	1	User can't see all chart list
	2	Admin can't see all chart list
Quality Requirements	N/A	

3.1.6 Case of View Previous Order Items

Use Case	View Previous order items	
Goal	View Previous order items	
Preconditions	User type must be user or Admin	
Success End Condition	User or Admin see his all previous history	
Failed End Condition	Can't available see of order items	
Primary Actors	Admin Or User	
Trigger	Previous history data visible click on "order"	
Description / Main Success Scenario	Step	Action
	1	User data appear to People
	2	User click on "Previous History" button to see his previous history
	3	Admin click on "Previous History" button to see his previous history
Alternative Flows	Step	Action
	2a	User can't able to see his previous history
Quality Requirements	N/A	

3.1.7 Case Of View Profile

Use Case	View Profile	
Goal	User can be viewed there profile	
Preconditions	User type must be user	
Success End Condition	Successfully user see profile on account	
Failed End Condition	Can't Viewed profile	
Primary Actors	Admin	
Trigger	Press the "Profile" button	
Description / Main Success Scenario	Step	Action
	1	user data appear to E-buy garden
	2	user click on "Profile" button to see his previous history
Alternative Flows	Step	Action
	2a	Admin can't be able to see profile
	2a	Admin can't access the system
Quality Requirements	N/A	

3.1.8 Case Of Update Profile

Use Case	Update Profile	
Goal	Admin and user can be edit his profile	
Preconditions	User type must be Admin , and login on profile	
Success End Condition	Admin can be update his profile	
Failed End Condition	Admin can't update his profile	
Primary Actors	Admin	
Trigger	Update profile data visible to the admin click on "Update" button	
Description / Main Success Scenario	Step	Action
	1	Admin data appear to E-BUY Garden
	2	Admin to see his previous history
Alternative Flows	Step	Action
	2a	Admin can't be able to update his profile
	2a	Admin can't be able to access his profile
Quality Requirements	N/A	

3.1.9 Case Of Delete Profile

Use Case	Delete Profile	
Goal	Delete an profile	
Preconditions	User type must be Admin and login on profile	
Success End Condition	Delete the profile	
Failed End Condition	can't elected the account	
Primary Actors	Admin	
Trigger	To the delete an profile click on "delete" button	
Description / Main Success Scenario	Step	Action
	1	Admin data appear to E-Buy garden
	2	Admin see his profile
Alternative Flows	Step	Action
	2a	Admin can't be able to this time
	2a	Admin can't be access to this time
Quality Requirements	N/A	

3.2 Activity Diagram

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

3.2.1 Create profile

User can create a profile and offer the profile to the server, and using this profile Users entry the system.

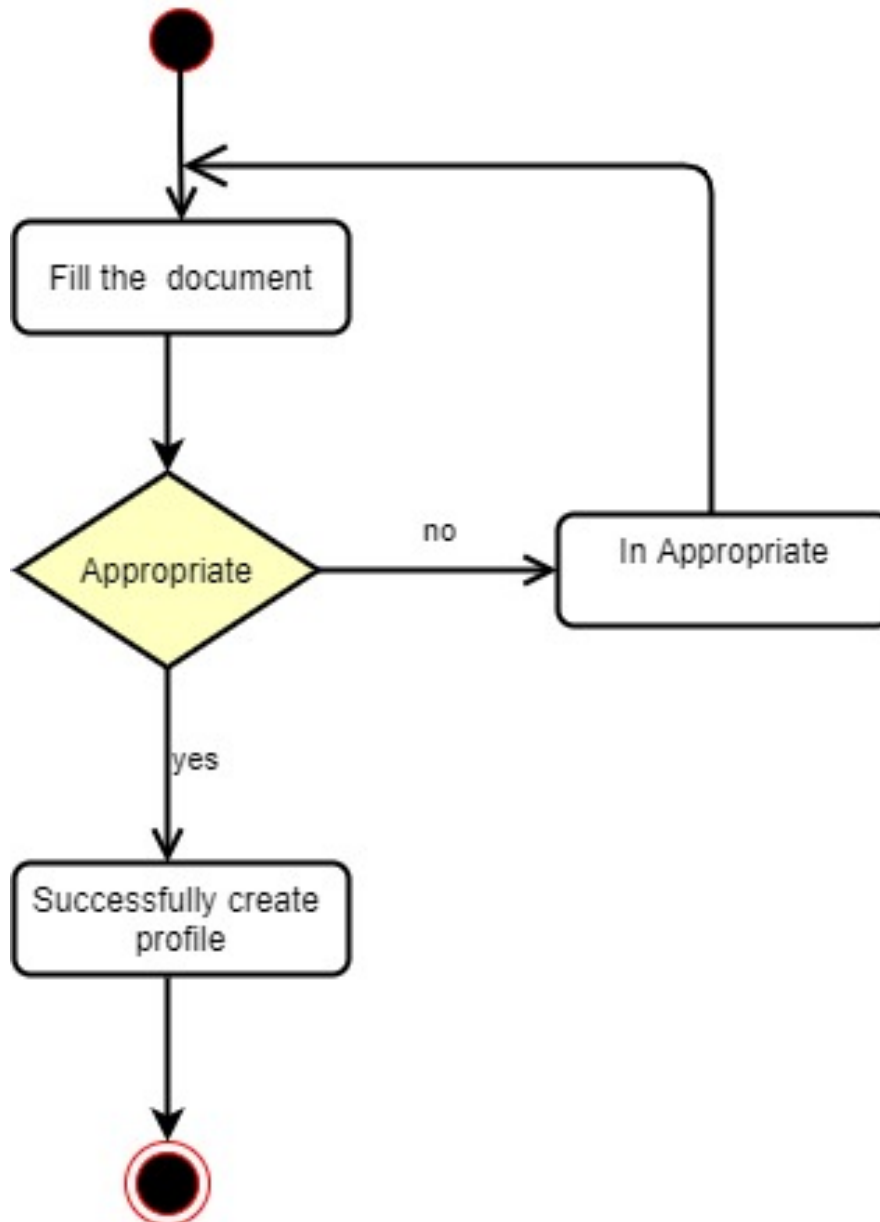


Figure 3.2: Activity diagram for Create Profile

3.2.2 Login profile

Admin or user also wish to verify them by login into the device, the usage of electronic mail and password.

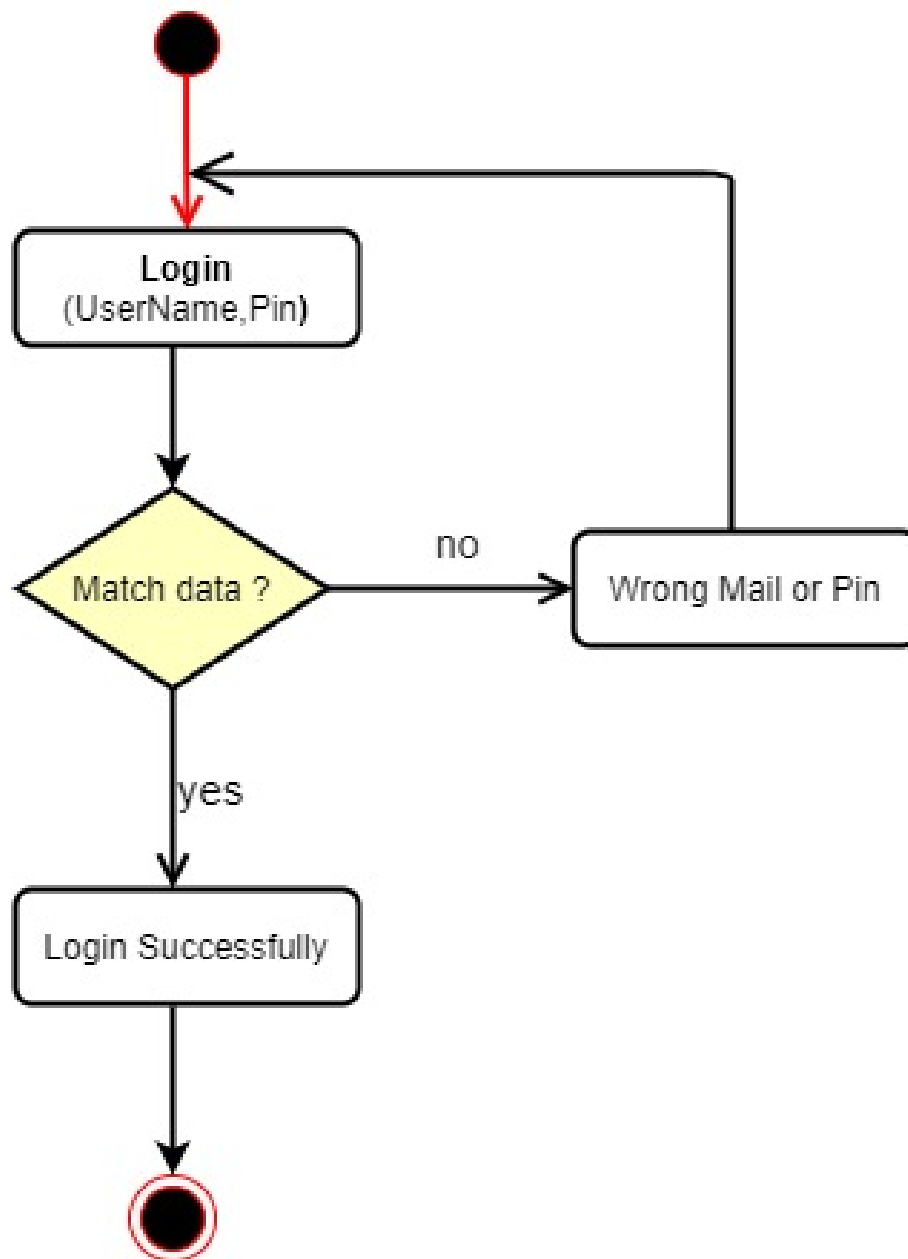


Figure 3.3: Activity diagram for Login Profile

3.2.3 Post Items

Only the admin can post for the items.

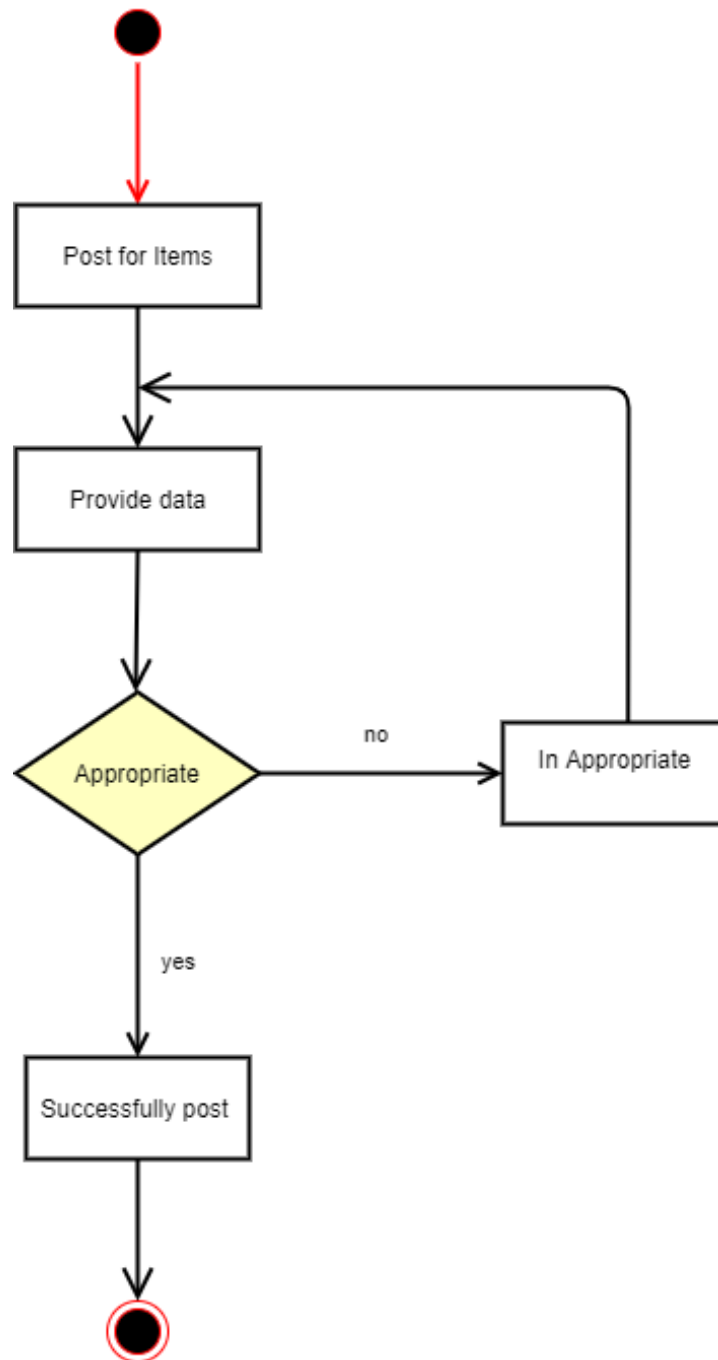


Figure 3.4: Activity diagram for items post

3.2.4 Order Items

Only the user can order to items.

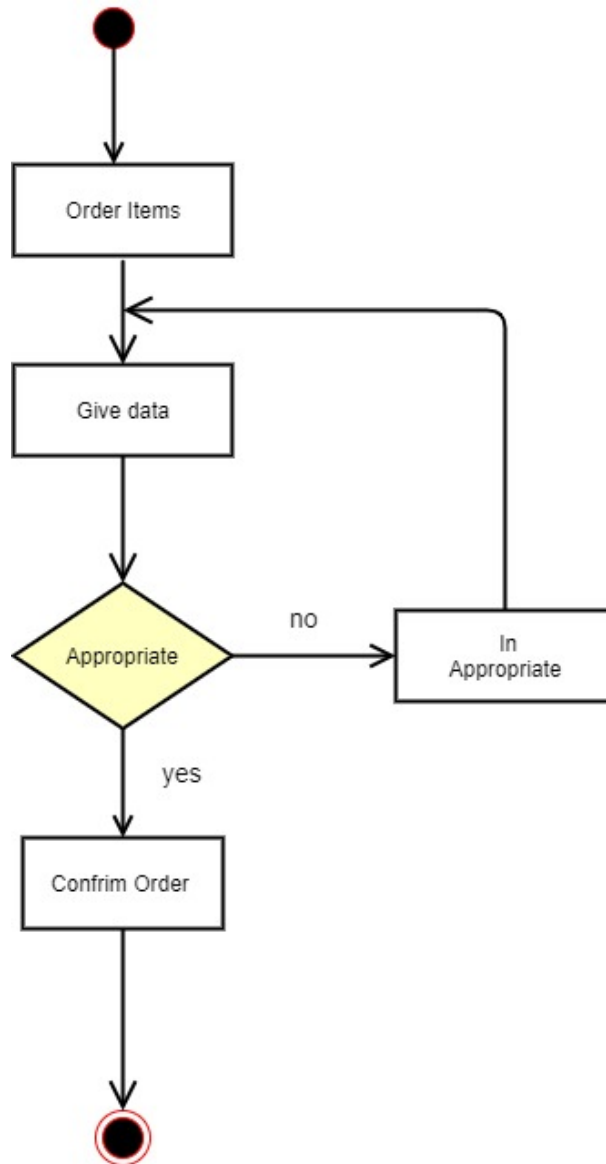


Figure 3.5: Activity diagram for order items

3.2.5 View chart list

User can view order list. There is an order provider information chart and admin can view it.

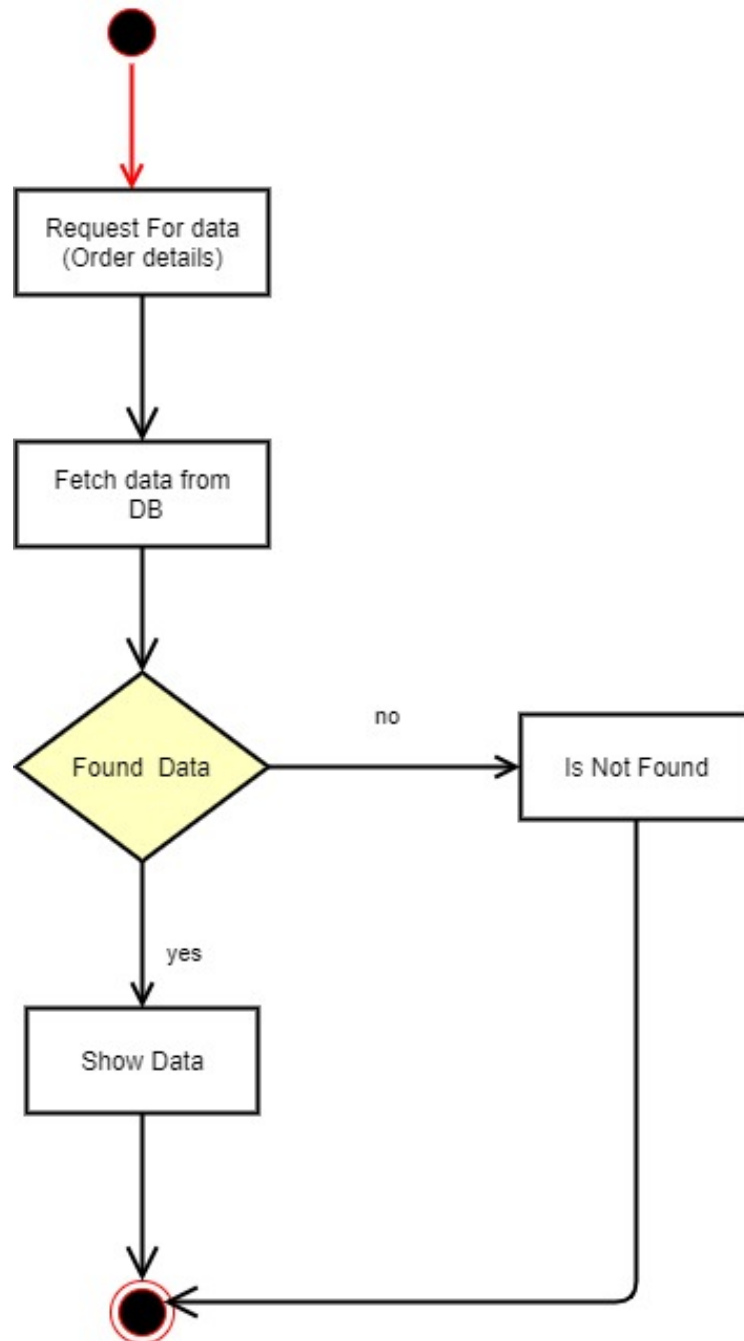


Figure 3.6: Activity diagram for View chart list

3.2.6 View previous order history

User doing some activities such as post for items order, view order list, etc. Then these activities will be recorded can see those activities in the previous history part.

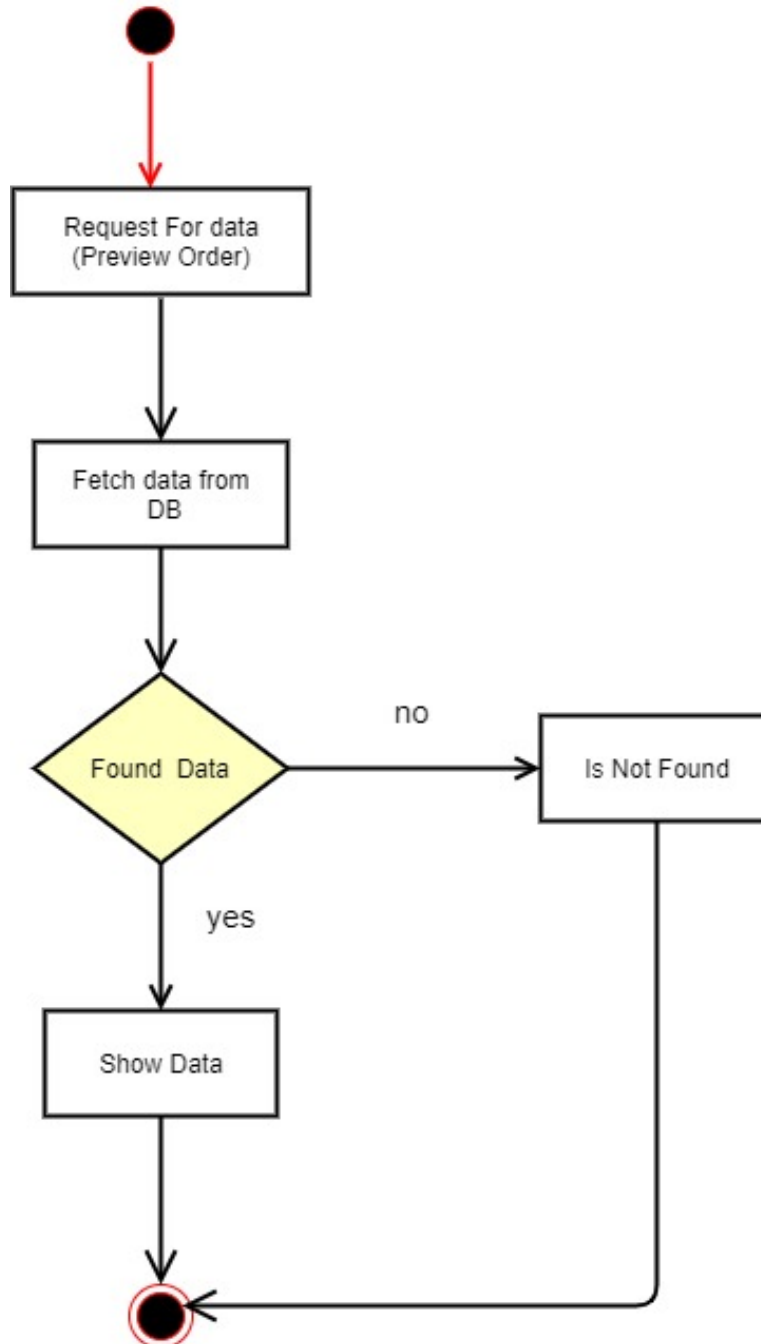


Figure 3.7: Activity diagram for View previous order

3.2.7 View profile

User or Admin can see there profile.

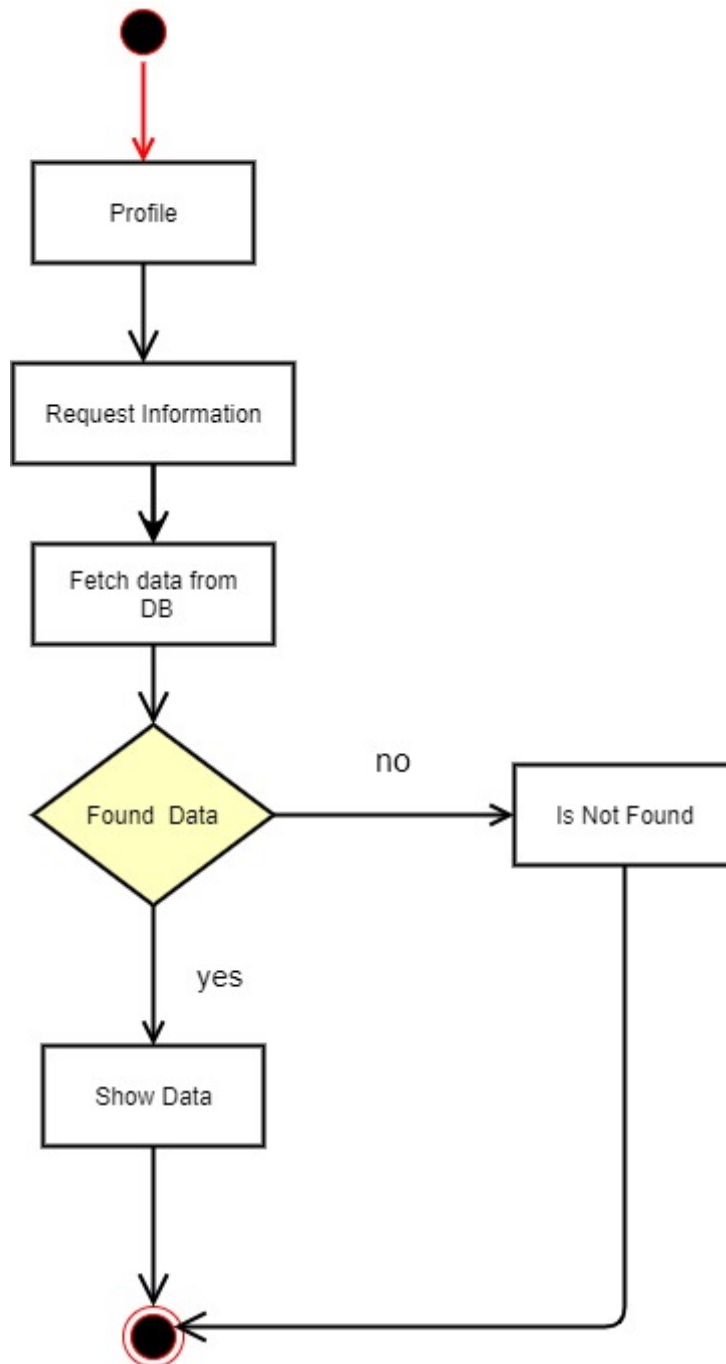


Figure 3.8: Activity diagram for View profile

3.2.8 Update profile

User or Admin want to that, they ought to replace their profile then they are able to without problems edit their own profile.

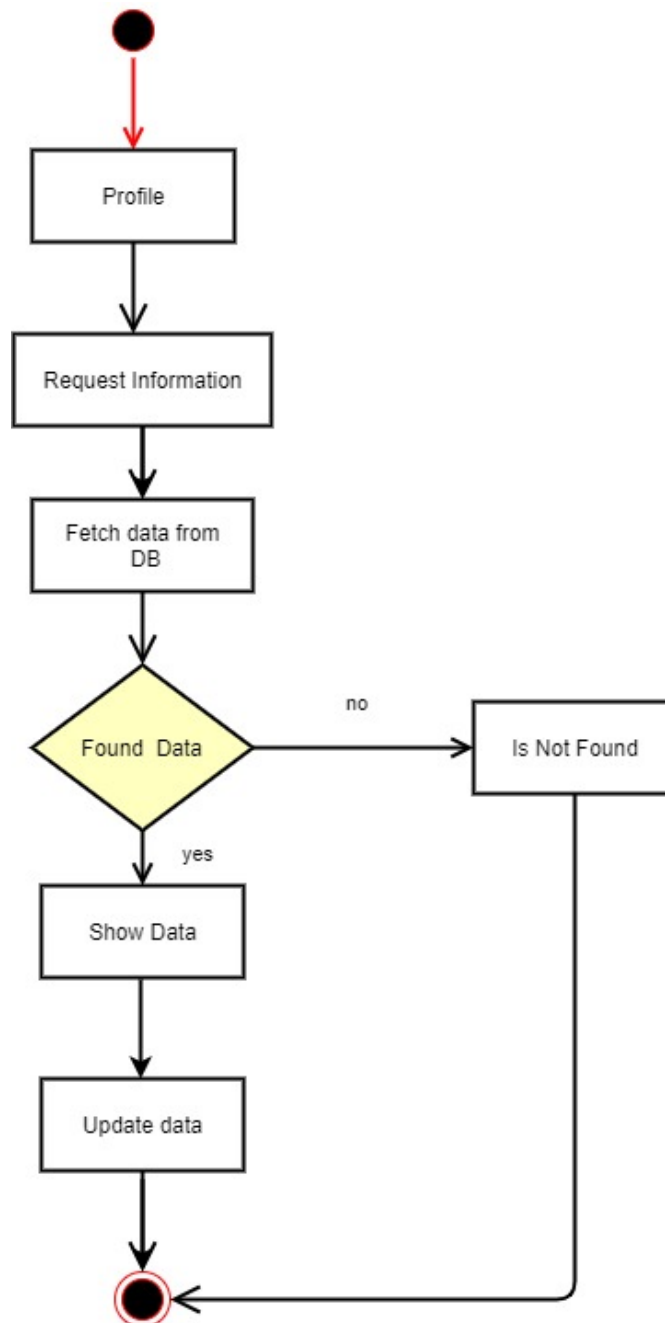


Figure 3.9: View profile

3.2.9 Delete profile

User or Admin want to that, they ought to delete their profile then they are able to without problems delete their own profile.

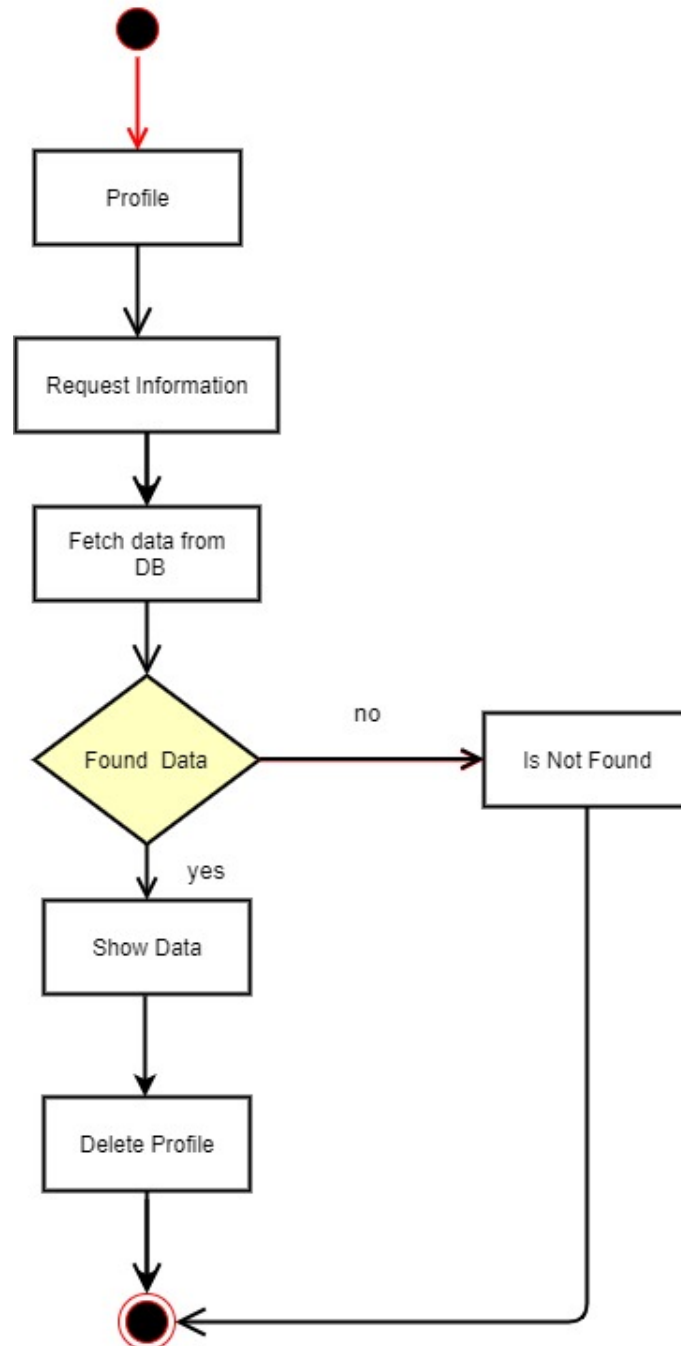


Figure 3.10: Activity diagram for Delete profile

3.3 Sequence Diagrams

Mainly collection diagrams understand how the facts could be followed in any utility. Now we are going to reveal a few sequence diagrams.

3.3.1 Create profile

User can create a profile and offer the profile to the server, and using this profile user entry the system.

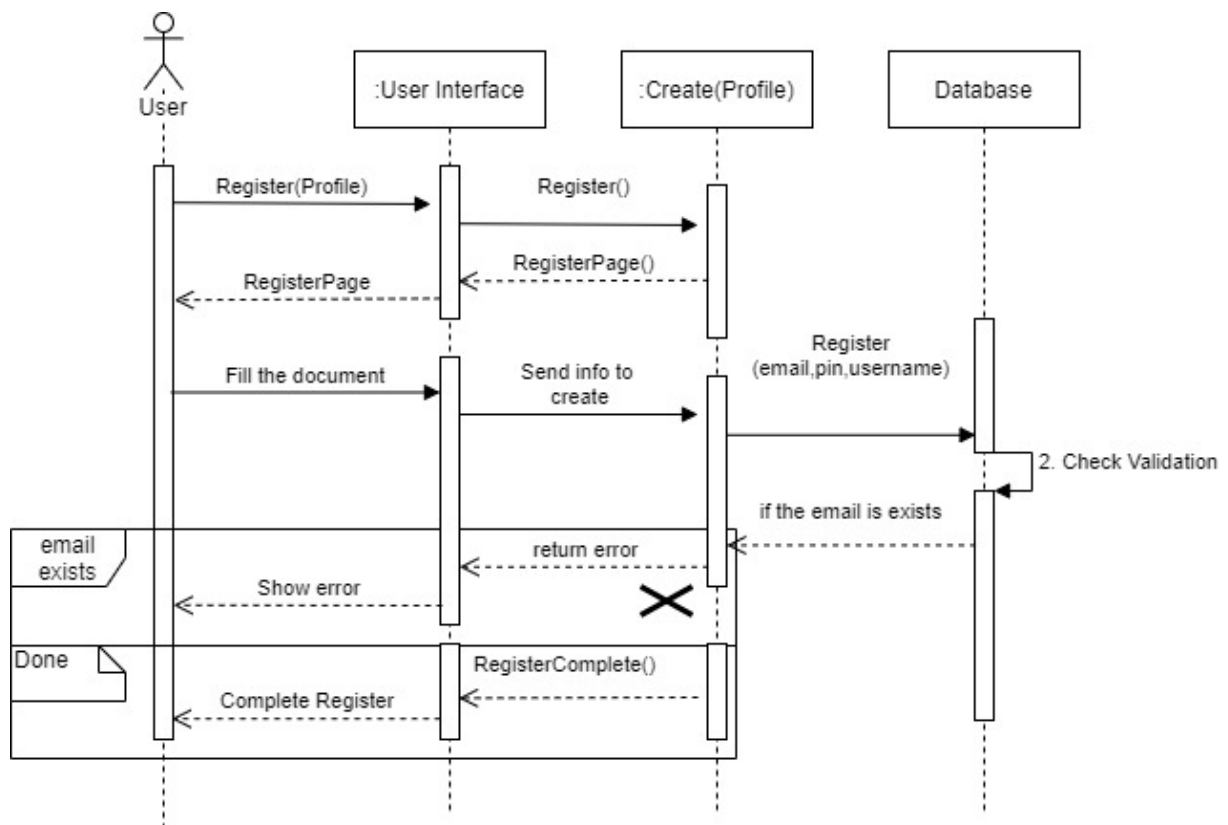


Figure 3.11: Sequence diagram for create profile

3.3.2 Login profile

Admin or User login the system using the mail and password.

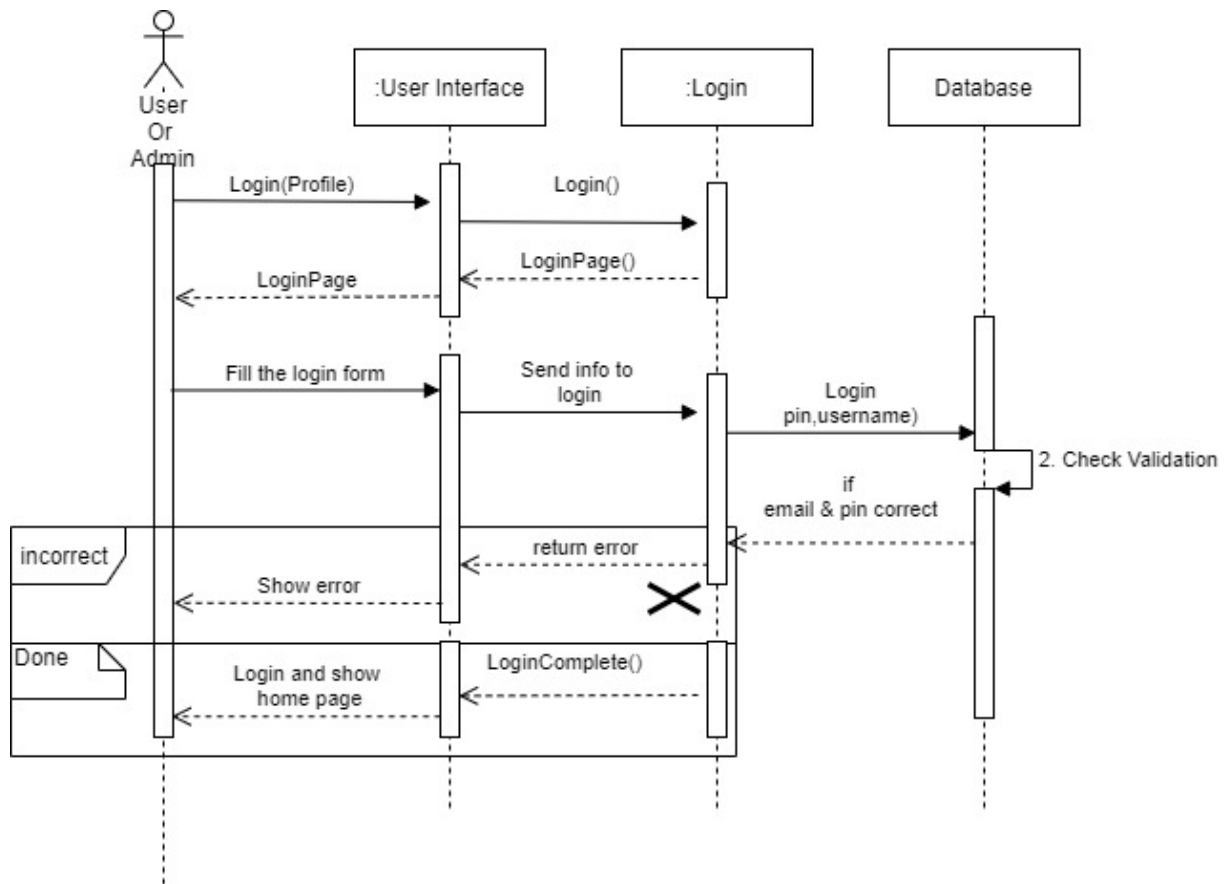


Figure 3.12: Sequence diagram for Login

3.3.3 Post Items

only Admin can be post items.

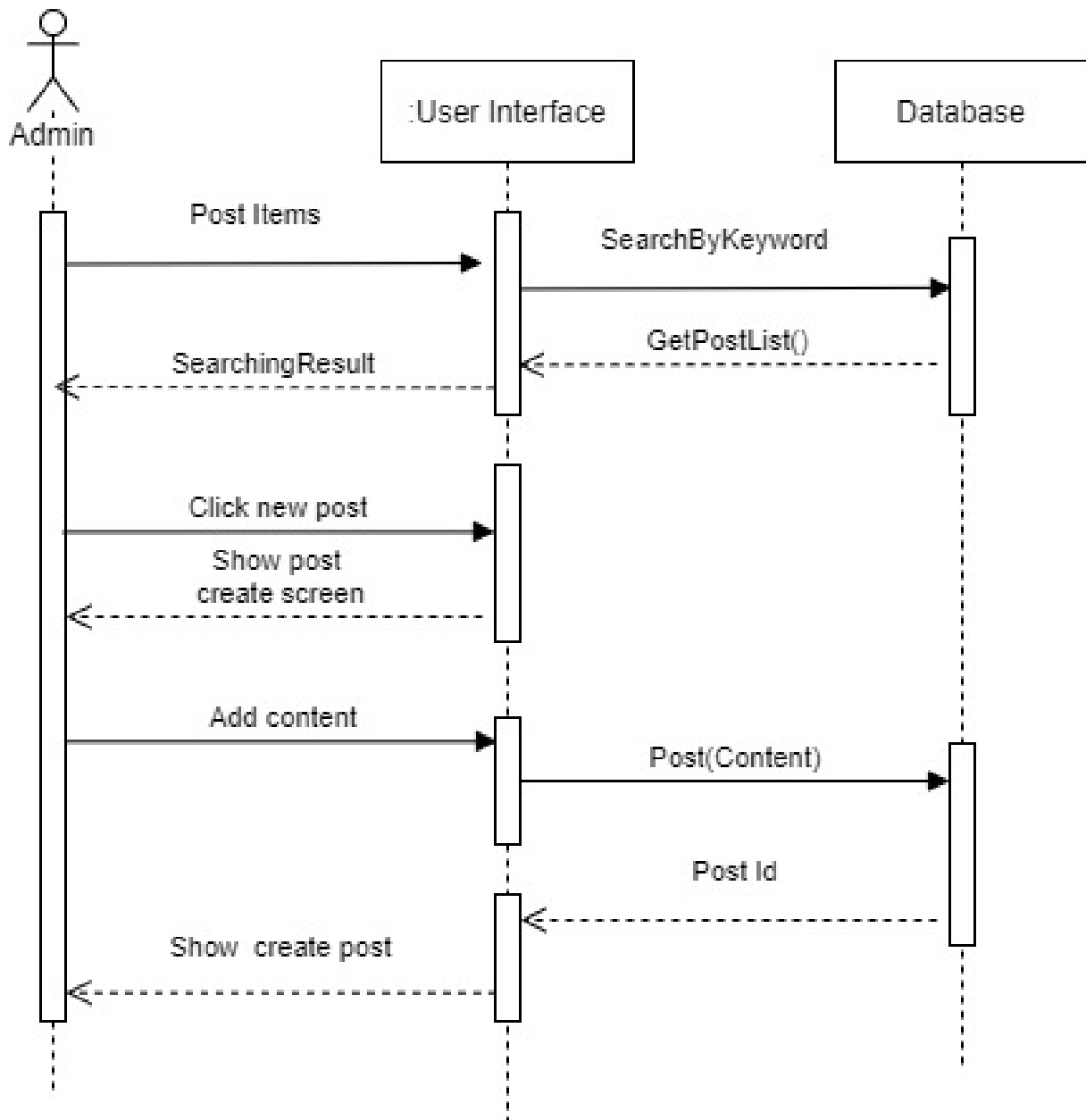


Figure 3.13: Sequence diagram for post items

3.3.4 Order items

User can be order items anytime anywhere.

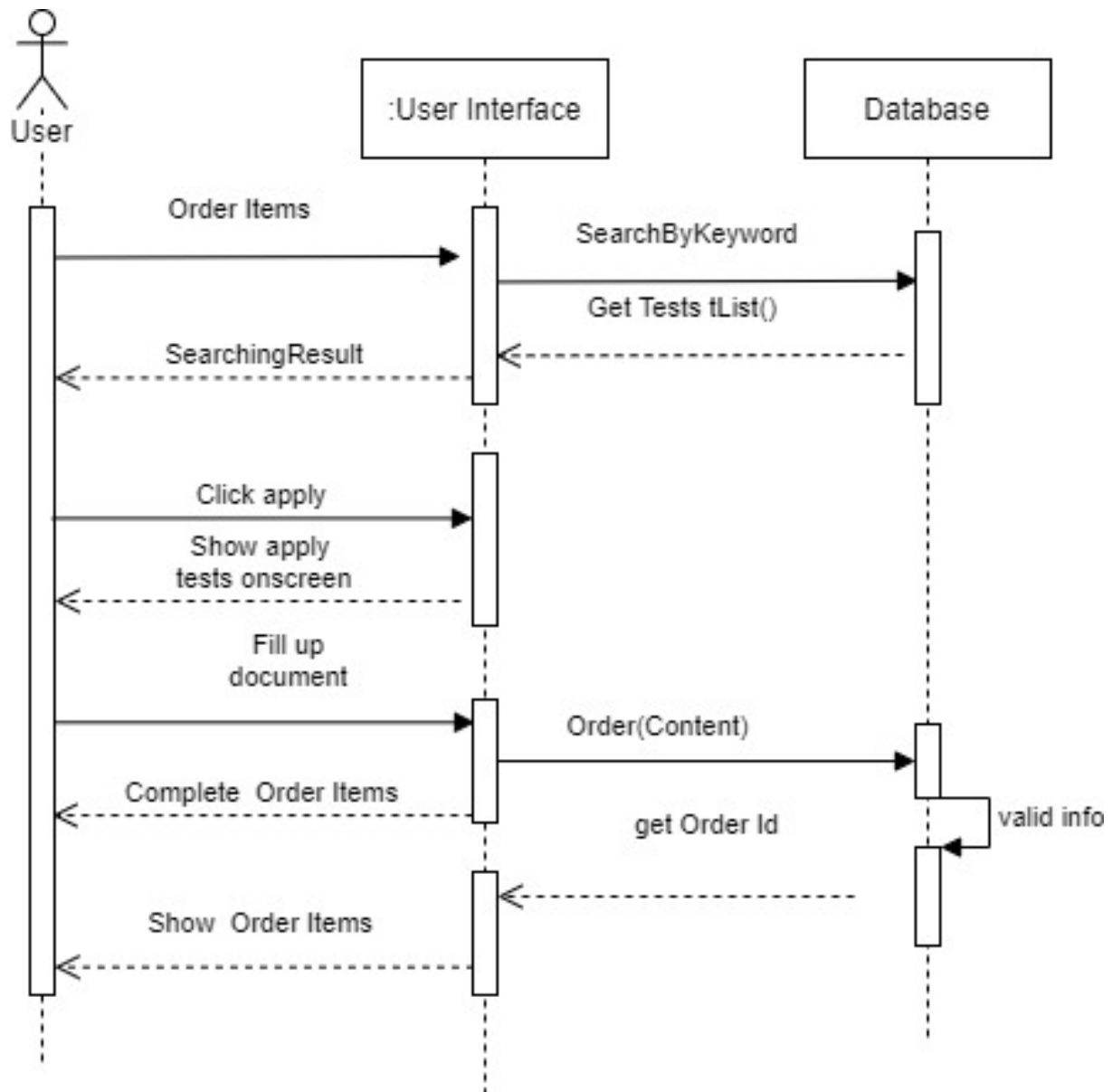


Figure 3.14: Sequence diagram for Order items

3.3.5 View Chart list

User can be view chart list.

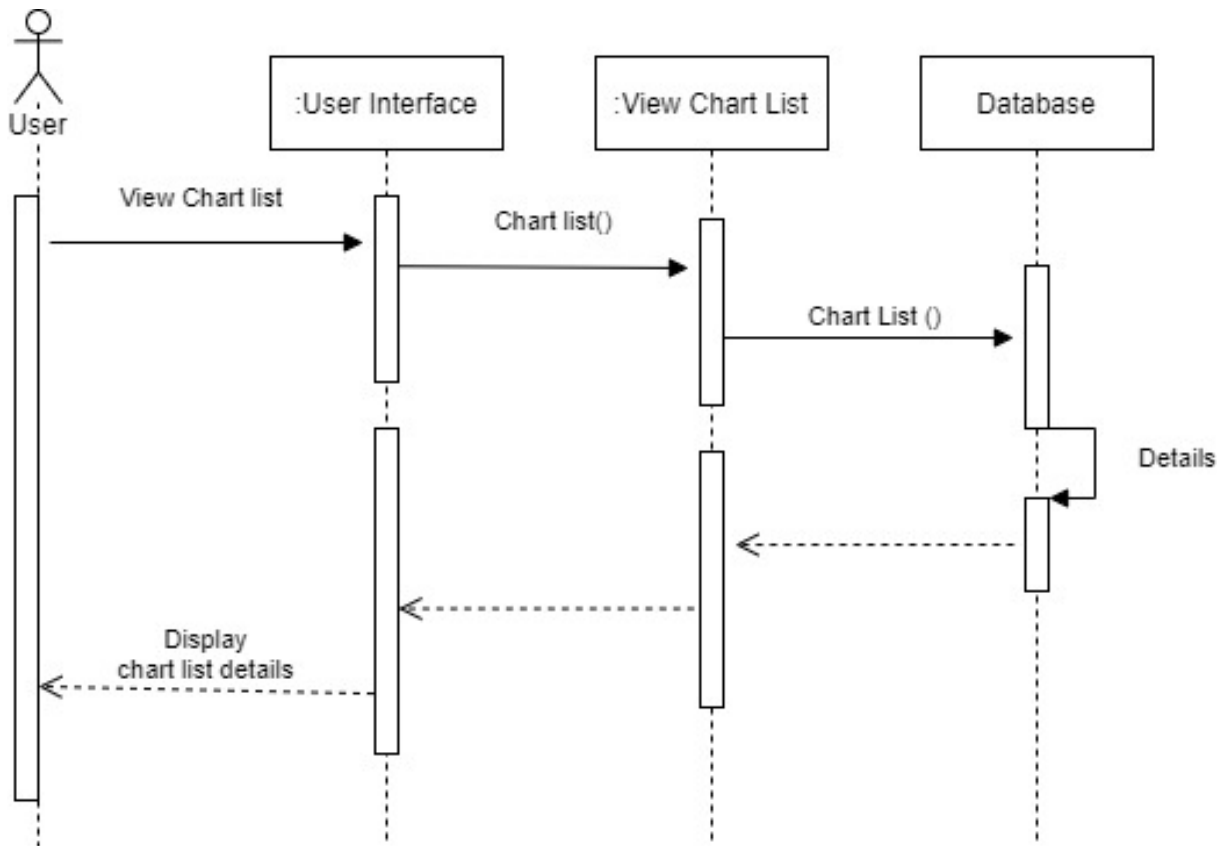


Figure 3.15: Sequence diagram for View Chart List

3.3.6 View previous order

User can be view previous order items.

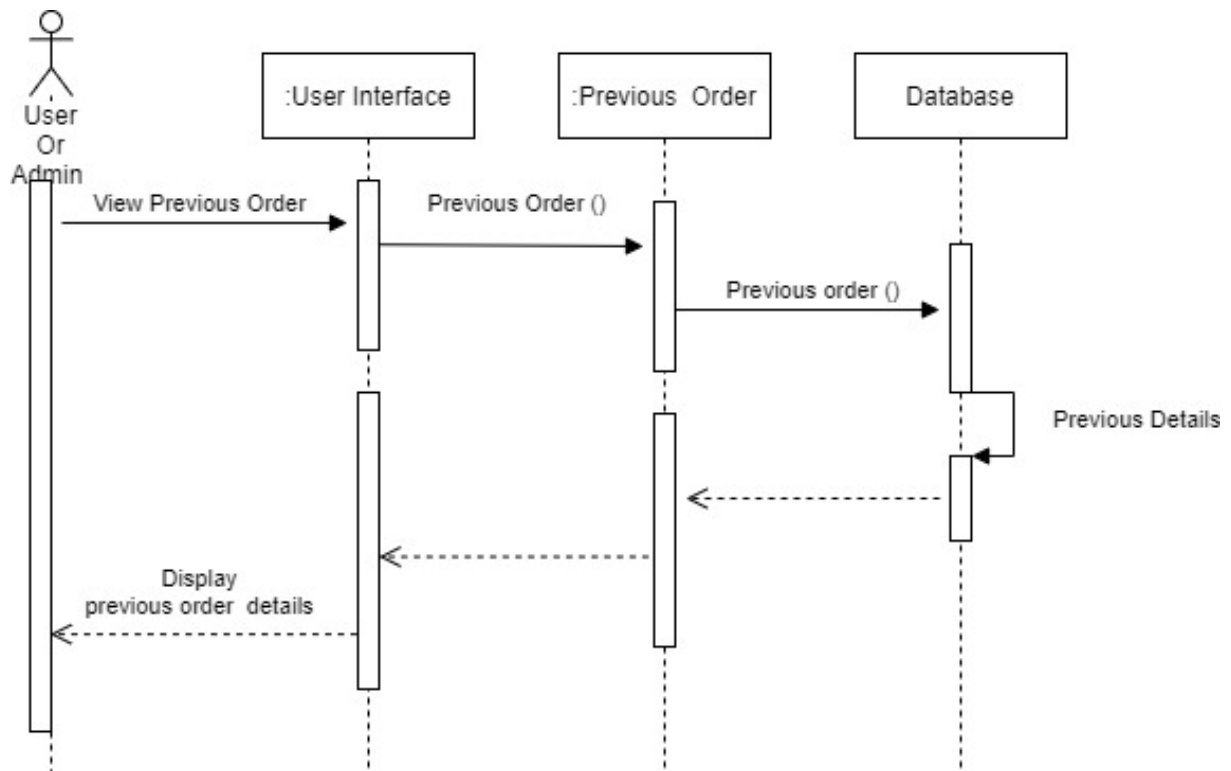


Figure 3.16: Sequence diagram for previous order items

3.3.7 View profile

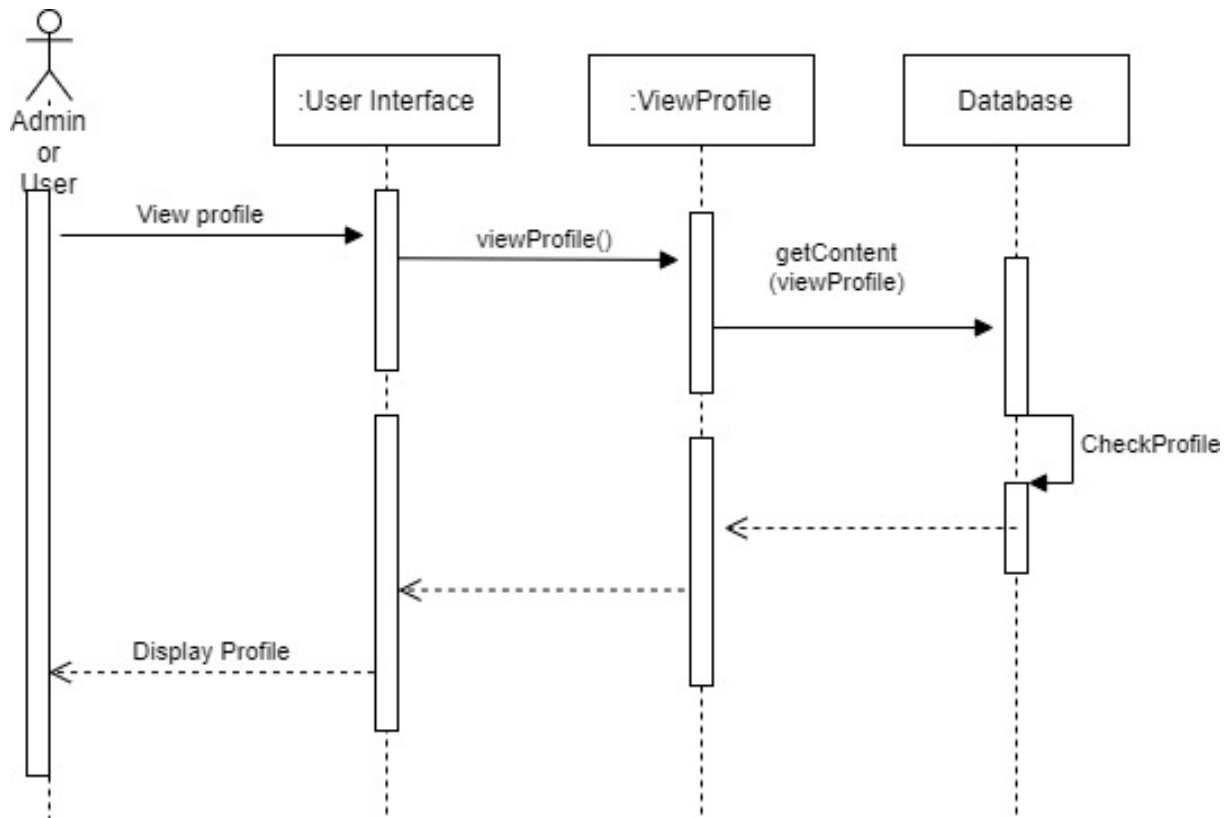


Figure 3.17: Sequence diagram for profile

3.3.8 Update profile

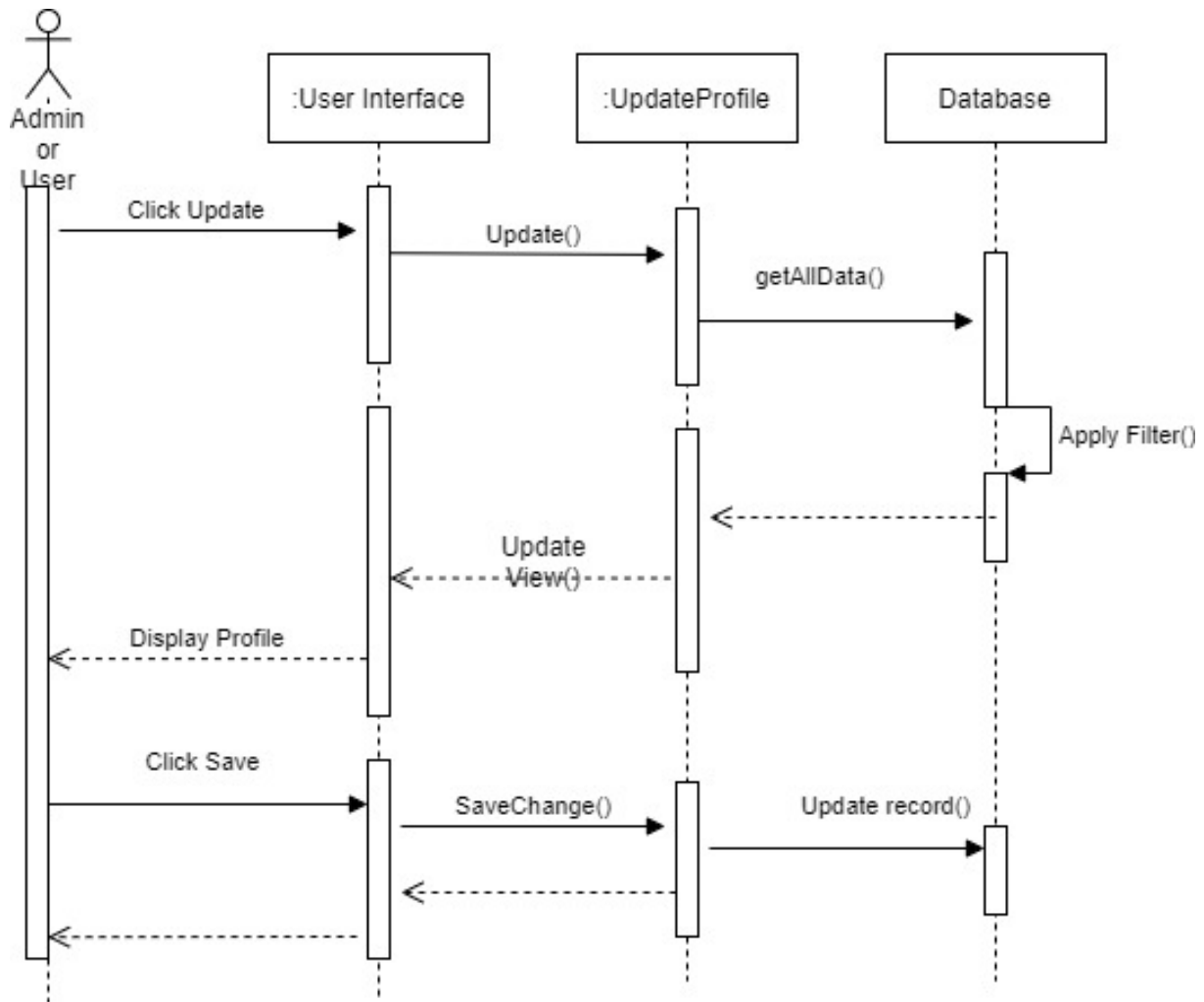


Figure 3.18: Sequence diagram for profile

3.3.9 Delete profile

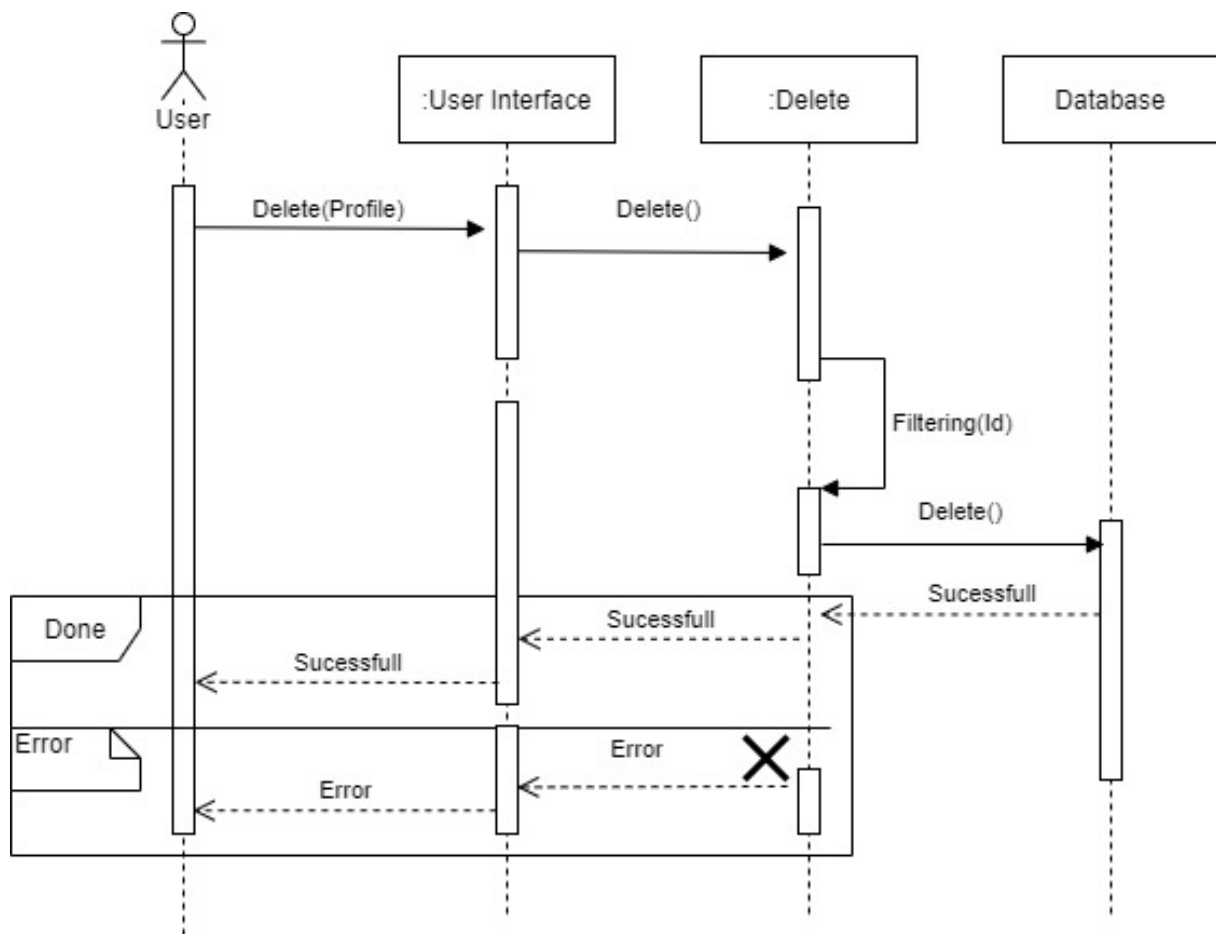


Figure 3.19: Sequence diagram for profile

Chapter 4

System Design Specification

4.1 Class Diagram

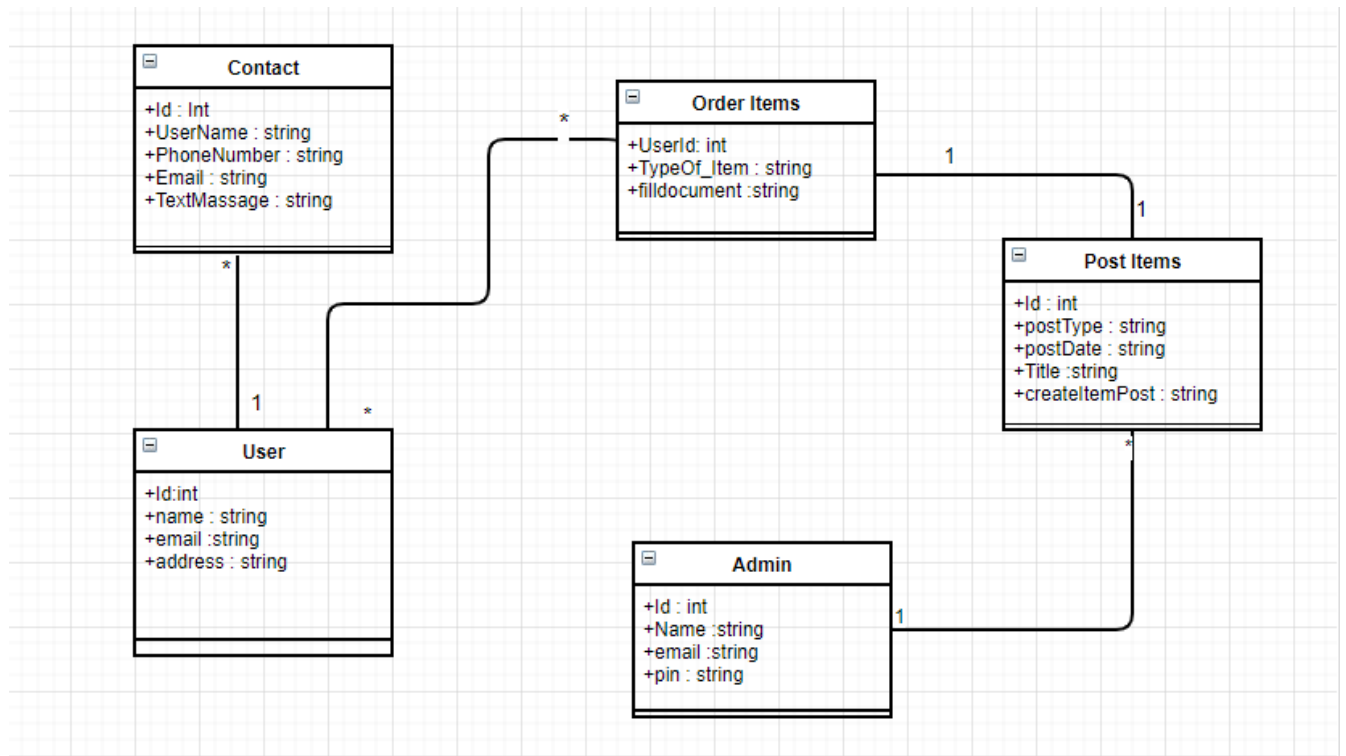


Figure 4.1: Class diagram for "E-Buy-Garden"

4.2 Development tools and technology

To develop software some gear are had to be used. And there is too many types of equipment for growing software program. For internet utility developers, there are so many tools and strategies to make the improvement section easy. In my challenge the below equipment we are going to use.

4.2.1 User Interface Technology

A suitable user interface can help to hold the user into the system. The primary point of "UI" in a machine is how clean is to apply and how simple it's miles. "UI" linked the user and gadget. "UI" refers to the shape of content, Action Button, Images, and so forth.

4.2.1.1 Programming Language

ASP.NET MVC5 Framework

ASP.NET MVC 5 is a framework that implements the Model-View-Controller (MVC) architecture pattern. I will be referring to the MVC framework that implements the MVC sample. MVC is an architecture pattern that stands for Model-View-Controller.

My definition of MVC is summarized as follows:

- **Model:** The model manages the records for the utility. Each model commonly represents one or more tables inside a database.
- **View :** The view carries the visible illustration of the software. In websites, this is typically completed with HTML, CSS, and JavaScript.
- **Controller :** A controller updates each model and views. It accepts input and plays the corresponding update. For instance, a controller can replace a model by means of converting the attributes of a person in a online game. It may additionally adjust the view by means of showing the up to date man or woman in the sport.

4.2.1.2 JQuery

JQuery is a JavaScript library. It is a fast JavaScript Library that simplifies HTML document traversing, occasion handling, animating. In our task, we use only a few JQuery capabilities.

4.2.1.3 Bootstrap

In my project, i used bootstrap for the front-stop design. Bootstrap is a free and open source front-stop Web framework. This framework is developed via CSS and JavaScript. It's a browser-friendly framework.

4.2.1.4 CSS

There are many technologies to displaying HTML elements. Html elements can seem in lots of ways. Is goods practice to apply outside CSS. Internal and Inline CSS not for a assignment and it also not an awesome exercise.

4.2.2 Implemented tools and platform

So just like the gadget and generation additionally some systems are wanted to extend software program applications. The task we use a few systems to construct the device. We are using a bellows system and systems.

4.2.3 Editor

Microsoft Visual Studio 2019

With Visual Studio 2019, you may get exceptional-in-class equipment and offerings for any developer, any app, and any platform. Whether you are using Visual Studio for the developing time.

- **Develop:** Stay targeted and productive with progressed performance, on the spot code cleanup, and higher seek outcomes.
- **Collaborate :** Enjoy natural collaboration via a Git-first workflow, real-time editing and debugging, and code opinions right in Visual Studio.
- **Debug :** Highlight and navigate to precise values, optimize reminiscence use, and take automated snapshots of your utility's execution.

4.2.4 Entity Framework

Entity Framework is Object Relational Mapper (ORM). This ORM presents developers to automate the mechanism of storing and gaining access to statistics from the database. I use this framework in my mission.

4.2.5 Database Server

MSSQL Server 2017

SQL is a special-purpose programming language designed to handle data in a relational database management system. A database server is a computer program that provides database services to other programs or computers, as defined by the client-server model. Therefore, a SQL Server is a database server that implements the Structured Query Language (SQL).

4.2.6 Web Server

NET Run-time

A web server is a system that delivers content material or offerings to end-users over the internet. In my project uses the .net Localhost server. This localhost is free and open-source software to .net frameworks. It has many features and a variety of use.

Chapter 5

System Test

5.1 Testing Features

Feature Testing is consult with making adjustments in software program machine to add new capabilities or to make changes existing functions. A take a look at the set is want to write for test the function and function of the device. All feature and feature are not the same.

5.1.1 Feature to be tested

Here,

1 = Low Priority

2 = Medium Priority

3 = High Priority

5.1.1.1 Part of Student

Features	Priority	Description
Order Items	2	Order items submit facts have to be inserted properly
See Order items	1	User can capable of view the Order Details
See details	1	User can capable of view the order Details

5.1.1.2 Part of Admin

Features	Priority	Description
Registration	3	Admin must be authenticated through login
Login	3	Admin must be authenticated through login
Logout	2	The session needs to be destroyed after logout
Post items	2	Post items submit facts have to be inserted properly
See Post items	1	Admin can capable of view the post items Details
See details	1	Admin can capable of view the order it msDetailse
View Profile	3	Admin can able to see his profile
Update profile	3	Admin can be update his profile
Delete profile	1	Admin can be delete his profile

5.2 Testing Strategy

Test Strategy is a plan for outlining the trying out technique. It's a guiding principle observed to gain the test goal and execution of test kinds. Test strategy work with check goal, take a look at surroundings, take a look at approach, automation equipment and approach, and hazard evaluation.

5.2.1 Test approach

Test technique means implementation of take a look at method. It defined all take a look at plans and test layout.

Test approach has techniques:

- **Preventative approach:** In the preventative technique, tests are designed before the software program development.
- **Reactive approach:** In Reactive approach, assessments are designed after software program development.

5.2.2 Pass / Fail Criteria

It will set the pass and fail standards.

- If the device crash then it will not be considered as a pass case.
- If any gadgets pass a hundred instances, then it will likely be considered as skip criteria handiest.
- If information can't be displayed to the application properly, then it is also to be taken into consideration as fail criteria.

5.2.3 Testing Schedule

Test Phase	Time
Testing plan create	1 Week
Test specification	2 Week
Unit testing	During development time
Component test	1 Week
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

5.2.4 Trace-ability Matrix

5.2.4.1 Part of User

Project Manager			Business Analyst Lead		
QA Lead			Target Implementation Date		
BR	Category	Requirement Description	Use Case	Test Case	Comment
BR-1	Functional	Order for Items	3.1.4	5.4.4	
BR-2	Functional	Items Details	3.1.5	5.4.5	
BR-3	Functional	Previous history	3.1.6	5.4.6	

5.2.4.2 Part of Admin

Project Manager			Business Analyst Lead		
QA Lead			Target Implementation Date		
BR	Category	Requirement Description	Use Case	Test Case	Comment
BR-1	Functional	Create(Profile)	3.1.1	5.4.1	
BR-2	Functional	Login	3.1.2	5.4.2	
BR-3	Functional	Post for items	3.1.3	5.4.3	
BR-4	Functional	order items Details	3.1.5	5.4.5	
BR-5	Functional	Previous history	3.1.6	5.4.6	
BR-6	Functional	View Profile	3.1.7	5.4.7	
BR-7	Functional	Update Profile	3.1.8	5.4.8	
BR-8	Functional	Delete Profile	3.1.9	5.4.9	

5.3 Testing Environment

Testing environment manner put together the environment that assists in execution the take a look at with software, hardware and network configure. Test mattress or take a look at surroundings is configured as according to the need of the application underneath check.

For construct the environment of testing, a few key location desires to setup:

- Test records
- Database server
- Client's running device
- Front cease jogging environment
- Browser
- System and application
- Network

People are involved with take a look at surroundings setup:

- System Admins

- Developers
- Testers

5.4 Test Cases

The test case method set some regulations and rules which it can be decided whether they may be capable of meet the requirements successfully. The test case method can be to locate the troubles within the requirements or layout of the application.

In the take a look at the case, there have some factors. Such as:

- Test Case ID
- Test Scenario
- Prerequisite
- Test Data
- Expected Result
- Actual Result
- Etc

5.4.1 Create Profile

Test case 1	Test case name: Create Profile			
System : Admin	Subsystem : User			
Designed by: Md Raihanul Kabir	Designed date: 01-April-2020			
Executed by:	Executed date:			
Short description: Admin can create a profile and give it to the scholar owner.User inputs the device by using this profile.				
Pre-Conditions: <ul style="list-style-type: none">• User type must be a admin.• User must be authenticated.• Admin have admin records.				
Step	Action	Response	Pass/Fail	Comment
1	All required fields aren't crammed yet	Fields have not been completed yet	Fail	
2	All enter filed is stuffed up by using the scholars	Adding admin is successful	Pass	
Post-Condition : admin profile is created.				

5.4.2 Login

Test case 2		Test case name: Login		
System : Admin		Subsystem : User		
Designed by: Md Raihanul Kabir		Designed date: 01-April-2020		
Executed by:		Executed date:		
Short description : The registered customers need to login to the software And before that our appli- cation will test the authentication and authorization.				
Pre-Conditions: <ul style="list-style-type: none">• Users are constantly redirected to the login web page if they have no longer authenticated with the aid of our utility.• Assume that the email is rifat@gmail.com and password is “123456”				
Step	Email and password	Response	Pass/Fail	Comment
1	rifat@gmail.com and pin ”124876”	Invalid	Fail	
2	rifat@gmail.com and pin ”123456”	Successfully login into the application	Pass	
Post-Condition : Admin will efficaciously login to the utility.				

5.4.3 Post items

Test case 3		Test case name:Post items		
System : Admin		Subsystem :		
Designed by: Md Raihanul Kabir		Designed date: 01-April-2020		
Executed by:		Executed date:		
Short description:Admin supplied all required records for items assessments post then publish the post.				
Pre-Conditions: <ul style="list-style-type: none">• Users must be authenticated.• User type must be Admin.				
Step	Action	Response	Pass/Fail	Comment
1	All required fields are not filled	Invalid	Fail	
2	Filled up all required fields	Post is Successful	Pass	
Post-Condition : Post for items is Successful.				

5.4.4 Order items

Test case 4		Test case name: Order Items		
System : Admin		Subsystem : User		
Designed by: Md Raihanul Kabir		Designed date: 01-April-2020		
Executed by:		Executed date:		
Short description: For follow order assessments first off scholar need to provide all required information then put up the publish.				
Pre-Conditions: <ul style="list-style-type: none">• Users must be authenticated.• User type must be people.				
Step	Action	Response	Pass/Fail	Comment
1	All required fields are not filled	Invalid	Fail	
2	Filled up all required fields	Post is Successful	Pass	

Post-Condition : Order for items is Successful.

5.4.5 View Chart List

Test case 5		Test case name:View Chart List		
System : Admin		Subsystem : User		
Designed by: Md Raihanul Kabir		Designed date: 01-April-2020		
Executed by:		Executed date:		
Short description:Admin or user can able to view chart list details				
Pre-Conditions: <ul style="list-style-type: none">• Users must be authenticated.• User type must be registered or admin.				
Step	Action	Response	Pass/Fail	Comment
1	chart list details data is shown properly.properly.	All require data is appear	Pass	
Post-Condition : order assessments statistics is displaying to Admin or user.				

5.4.6 View Previous Order

Test case 6	Test case name:View Previous Order
System : Admin	Subsystem : User
Designed by: Md Raihanul Kabir	Designed date: 01-April-2019
Executed by:	Executed date:
Short description:Admin can able to view order details	
Pre-Conditions: <ul style="list-style-type: none">● Users must be authenticated.● User type must be admin.	

Step	Action	Response	Pass/Fail	Comment
1	Order details data is shown properly.properly.	All require data is appear	Pass	
Post-Condition : Order assessments statistics is displaying to Admin .				

5.4.7 View Profile

Test case 8	Test case name:View Own Profile			
System : Admin	Subsystem : User			
Designed by: Md Raihanul Kabir	Designed date: 01-April-2020			
Executed by:	Executed date:			
Short description: Admin and User as their own profile and they could view their own profile				
Pre-Conditions: <ul style="list-style-type: none">• Users must be authenticated.• User type must be admin.• Admin have a profile				
Step	Action	Response	Pass/Fail	Comment
1	Profile is not showing.	There is no pro- file to appear	Fail	
2	Profile is showing	Profile is appear	Pass	
Post-Condition : Displaying to Admin can able to view his personal profile				

5.4.8 Update Profile

Test case 9	Test case name: Update Profile			
System : Admin	Subsystem : User			
Designed by: Md Raihanul Kabir	Designed date: 01-April-2020			
Executed by:	Executed date:			

Short description: Admin and User has their personal profile, and they could view their personal profile

Pre-Conditions:

- Users must be authenticated.
- User type must be admin.
- Admin and user have a profile

Step	Action	Response	Pass/Fail	Comment
1	All required fields are not filled yet.	Fields have not been completed yet	Fail	
2	All input filed is filled up by the apartment owner	The fields have been completed and the post also	Pass	

Post-Condition :Admin edited their own profile

5.4.9 Delete Profile

Test case 10		Test case name:Delete Profile		
System : Admin		Subsystem : User		
Designed by: Md Raihanul Kabir		Designed date: 01-April-2020		
Executed by:		Executed date:		
Short description:Admin go to their profile, delete the profile.				
Pre-Conditions: <ul style="list-style-type: none">• Users must be authenticated.• User type must be or admin.• Admin and have a profile				
Step	Action	Response	Pass/Fail	Comment
1	Go to profile and hit the “Delete” button.	The profile is delete	Pass	
Post-Condition :Admin delete their own profile				

Chapter 6

User Manual

6.1 Home page (E-Buy-Garder)

This is the front page of the website .User first visit the website then search for product .some product picture are given in front page.

Now I will offer screenshots of the web page.

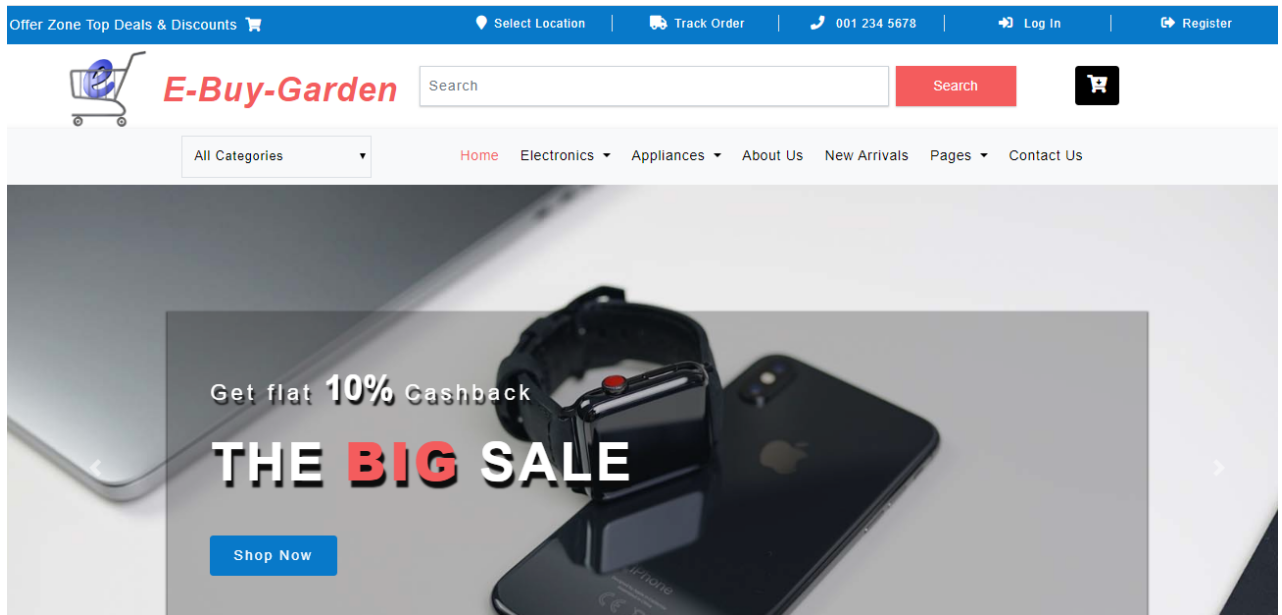


Figure 6.1: E-Buy-Garden

6.2 Create Profile

Users have no longer signed up before. Then, to start with, he has to register in our utility. The user ought to log in first to get access to our utility. The admin will provide verify the user with an email and password through which the customer can access the machine.

Now I will offer screenshots of the web page.

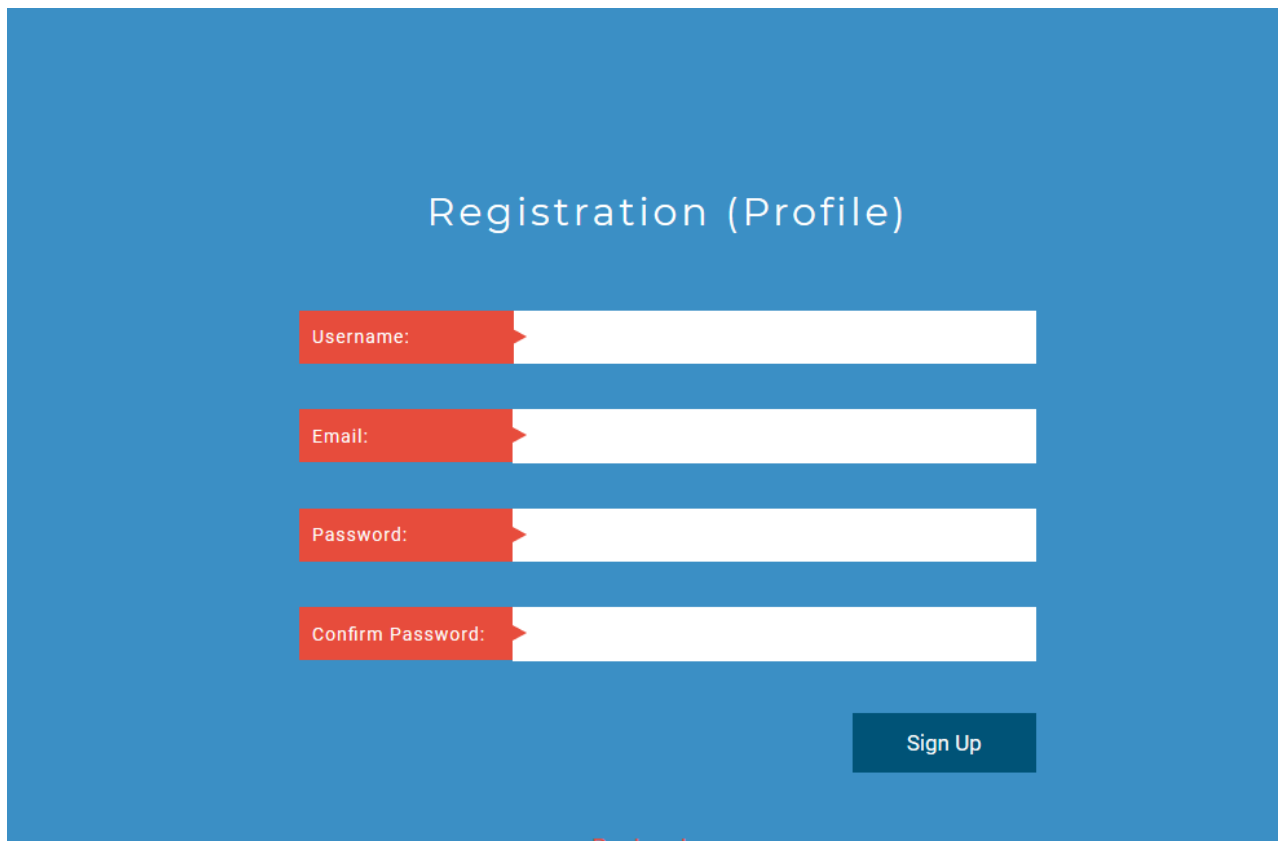
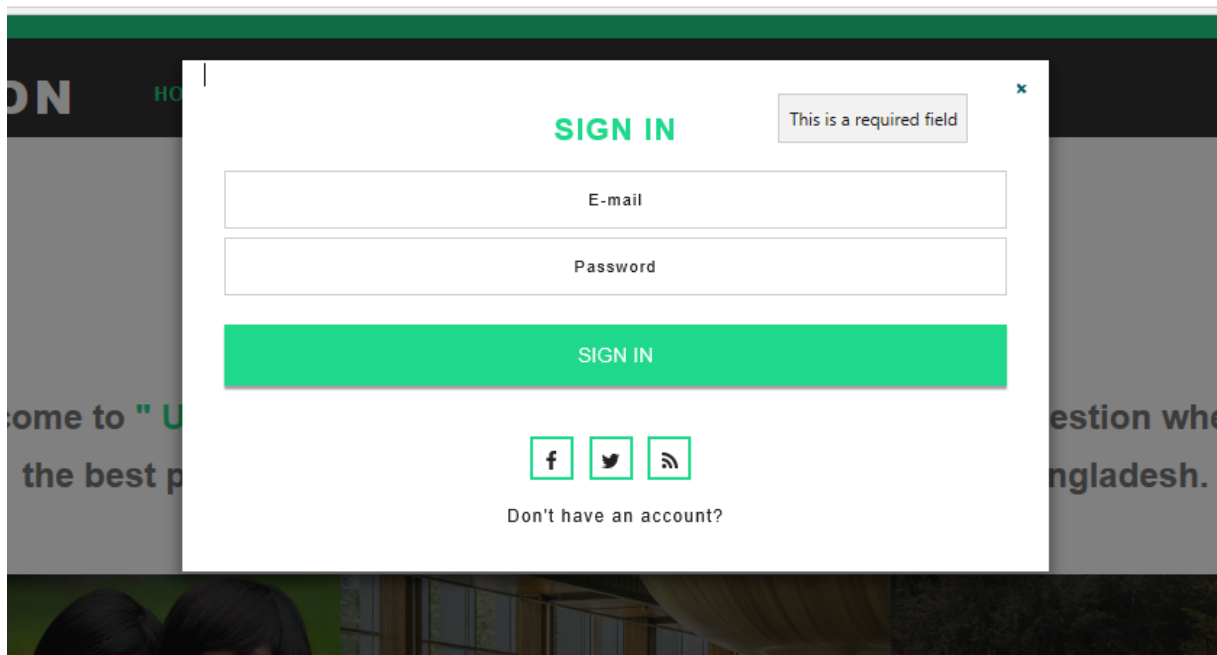
The image shows a web form titled "Registration (Profile)" on a blue background. The form contains four input fields, each with a red label box on the left: "Username:", "Email:", "Password:", and "Confirm Password:". Each input field is a white rectangle. Below the "Confirm Password:" field, there is a dark blue button with the text "Sign Up" in white. At the bottom of the form, there is a red link that says "Back to home".

Figure 6.2: Admin Registration form

6.3 Login Profile

First of all, the administrator has to login to the software program to use this software. Administrators and users should log in to the tool the usage of electronic mail and password. User type should be an admin or registered, who is registering at the utility most effective the candidate login at the website. And additionally, that registering people may be given on the next educative relative records from this utility.

Now I will offer screenshots of the web page.



SIGN IN This is a required field

E-mail

Password

SIGN IN

[f](#) [t](#) [RSS](#)

[Don't have an account?](#)

Figure 6.3: login form

6.4 Admin Profile

Admin can able to seeing their personal profile. Admin can be edit, replace delete there profile and additionally that admin can publish. Admin can delete any user account, all pastime also can seeing admin. Admin may be assessing all interest, and the admin approves on all information authentication.

Now I will provide the screenshot of the page below.

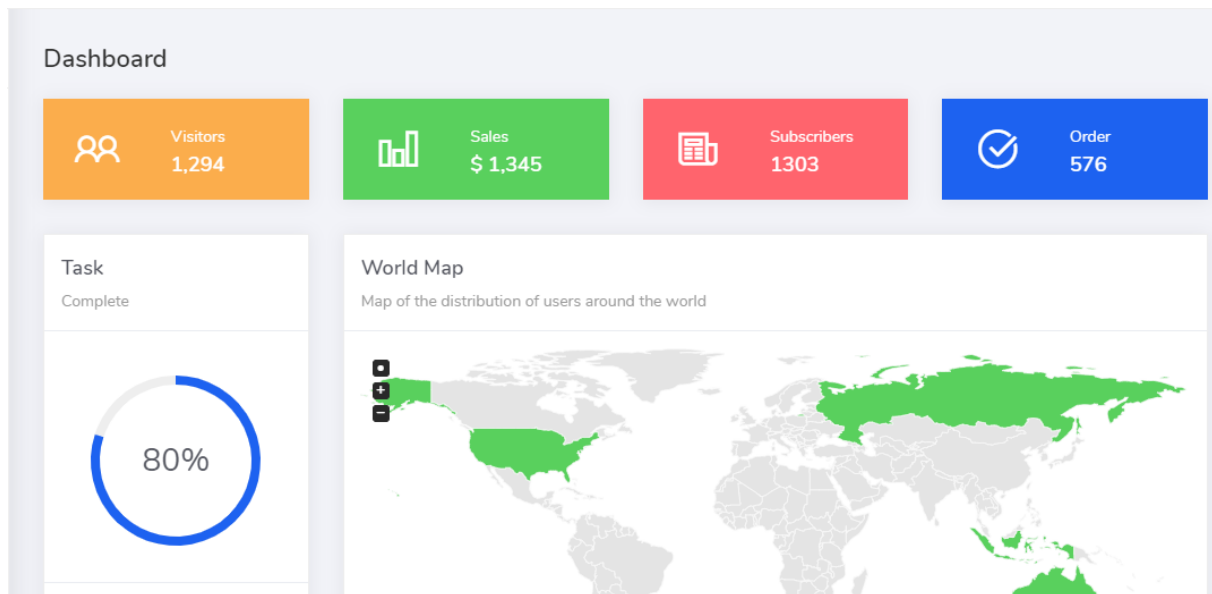
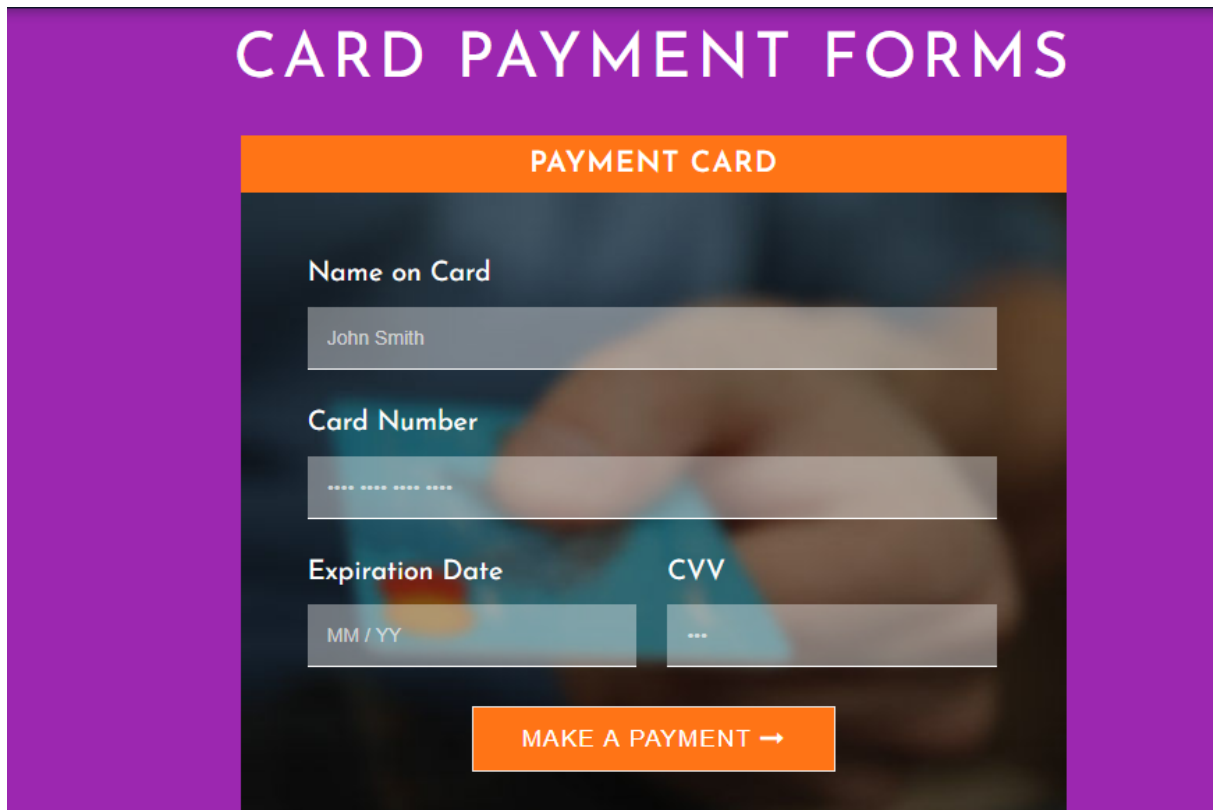


Figure 6.4: Admin Profile Page

6.5 Payment System

After chose a product customer can fill the payment system .Customer can pay payment with debit or credit card.They also payment with bikash.

Now I will provide screenshots of the page beneath.



The screenshot displays a payment form titled "CARD PAYMENT FORMS" with a sub-header "PAYMENT CARD". The form is set against a purple background. It contains the following fields:

- Name on Card:** A text input field containing "John Smith".
- Card Number:** A text input field containing "**** *".
- Expiration Date:** A text input field containing "MM / YY".
- CVV:** A text input field containing "*".

At the bottom of the form is an orange button labeled "MAKE A PAYMENT →".

Figure 6.5: Payment System

Add payment:

Concept

Description

Amount

Status

Paid

Date

mm/dd/yyyy

+ Add

Preview:

Concept	Description	Amount	Status	Date
Total:				

Submit all and finish

Figure 6.6: Payment System

Select Your Payment Method

Created with bootstrap button and using radio button

VISA

MasterCard

AMEX

VISA

CONTINUE SHOPPING

CHECKOUT

Figure 6.7: Payment System

6.6 Our location

Any People may be the live chat for helping facts about E-buy-Garden. We awareness at the satisfactory location for any public.

Now I will provide screenshots of the page beneath.

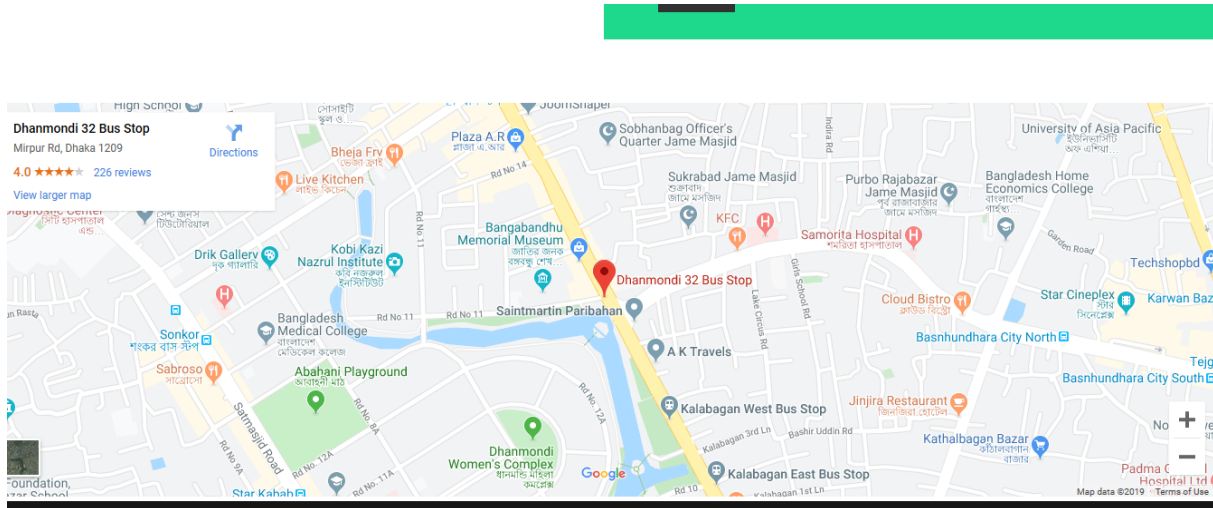


Figure 6.8: Location details

Chapter 7

Conclusion

Doing this kind of work as final year project is a blessings for me. Because, first it helped me to build up my level of confidence. On the other hand, there is no doubt that, it is a huge work for some apprentice like me. For this, at first, I would like to thank to the Almighty, without his mercy I wouldn't be able to complete this project; I have been doing this project for 8 months, if He wouldn't keep us healthy and sound, it was quite impossible to complete this project. Then special thanks to my project supervisor, Anwar Hossen Emon, without her consultancy is would be quite impossible for me to complete this. I have gone through many challenges and difficulties while completing this project and as a result, I learned so many things – both technical and ethical and professional. Eight months ago, when I first started working, there were lacks in my technical experience that I recovered during working with the project. And also, I had to learn many new things. I believe this will be a fit companion for my career.

7.1 Git Repository Link

7.1.1 GitHub Link :

[<https://github.com/raihanulkobir/FINAL-REPORT>]

This is a git repository hyperlink which my project uploaded. Anyone can see all work pastime, I use to asp.Net MVC and also use it to Entity framework. My paintings station is for the editor Visual Studio 2019 localhost server. If any character inquisitive about the software who can also follow my pattern.

7.2 Critical Evolution

I have commenced the improvement component in February. Like some other task, you need to position your very tough work, persistence, determination, and awareness to finish the challenge. There are many factors involves while an undertaking going to the improvement segment, including pleasurable the stakeholder requirements properly, etc. A proper necessities assessment then it allows the development phase plenty. We examine the requirements of our project firstly then we are going to the following step layout specification.

It's no longer a smooth undertaking to finish the mission but if it to be completed then the assignment isn't always the and in fact. The database is a vital thing of any software gadget. That's why within the next step we are focusing to create the database layout.

7.3 Limitations

For growing this assignment, I have faced a few boundaries. Now I will describe those in brief.

- **Payment Method :**In this software, there are not having any fee techniques immediately. So the person can't make any price transaction through our machine.
- **Only Web Version:** My application is the most effective internet-based device.

7.4 Obstacles Achievements

When an undertaking is developing then you certainly have confronted many obstacles and people's boundaries create traumatic conditions and you've to triumph over one's worrying conditions. Without demanding situations you can observe whatever, the mission comes with opportunity and proper here your exchange to grave this opportunity. The system evaluation and database format that we research properly through the way of doing this project. Our supervisor allows us in every step of this venture.

Also, there are a few boundaries and achievement in our assignment and that is below:

- **Requirements getting from stakeholders :**There are many types of stakeholders in this system and each person has one-of-a-type capability. It could be higher if we must accumulate necessities from them directly.
- **Scope Change:**When we test the necessities then some functions have been introduced and a few of functions get slicing. When it was wanted we did brainstorming for that

7.5 Future Scope

I learned lots even as finishing this project. To construct and improve this undertaking,I thank all of them very plenty.

- All Bangladeshi People included this application.
- Courier service on the order schedule for user.

7.6 References

I have received some information from some platforms. Obviously I will point out those references. For making my mission a success those assets assist me plenty.

Not I will point out the names underneath.

In-text example

- Code Editors¹
- Font design²
- Database Controllers³
- Bootstrap Help in the project⁴
- Database Server⁵
- Font design of CSS⁶
- MVC .net Framework⁷
- Entity Framework⁸
- Report Writing⁹
- Layout using this project¹⁰

Footnote example:

¹ Visual studio,<https://visualstudio.microsoft.com/vs-2019>

²<https://www.w3schol.com>

³<https://www.nuget.org/profiles/Microsoft>

⁴Bootstrap,<https://getbootstrap.com/docs/4.0/getting-started/introduction/>

⁵ SQL Server,<http://www.sqlservertutorial.net>

⁶<https://www.w3schol.com>

⁷Model View Controller ,<https://www.tutorialsteacher.com/mvc/mvc-controller>

⁸ <https://www.entityframeworktutorial.net>

⁹ Latex, <https://www.overleaf.com/project>

¹⁰Layout, <https://w3layouts.com/>