Daffodil International University

WATCH WORLD – AN ONLINE STORE

Submitted by

Md. Fahad Bin Mostofa

ID: 182-35-2531

Department of Software Engineering

Daffodil International University

Supervised by

Ms. Nusrat Tasnim

Lecturer,

Department of Software Engineering

Faculty of Science and Information Technology

Daffodil International University

This project is submitted in partial fulfillment of the requirement for the degree of Bachelor of Science in Software Engineering.

©All rights Reserved by Daffodil International University

APPROVAL

APPROVAL

This project titled on "**Watch World – An Online Store**", submitted by **Fahad Bin Mostofa (ID: 182-35-2531)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS

Chairman

Dr. Imran Mahmud
Associate Professor & Head
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Internal Examiner 1

Md. Maruf Hasan
Associate Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Internal Examiner 2

Md. Shohel Arman
Assistant Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

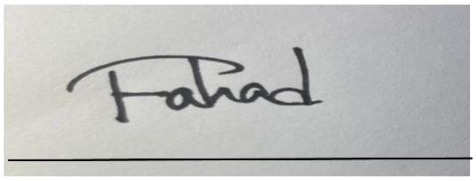
External Examiner

Dr. Md. Sazzadur Rahman
Professor
Institute of Information Technology
Jahangirnagar University

© Daffodil International University

DECLARATION

It hereby declares that this project has been done by **Fahad Bin Mostofa** under the supervision of **Ms. Nusrat Tasnim, Lecturer,** 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.



Student Name: Fahad Bin Mostofa

Student ID: 182-35-2531

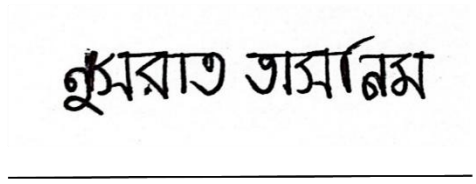
Batch: 26th

Department of Software Engineering

Faculty of Science & Information Technology

Daffodil International University

Certified By:



Ms. Nusrat Tasnim

Lecturer,

Department of Software Engineering

Faculty of Science & Information Technology

Daffodil International University

© Daffodil International University

ACKNOWLEDGEMENT

In this endless universe of conflict, there is a race to the top, and the winners will take over. A project is the culmination of both theoretical and hands-on effort. I consented to assume this specific responsibility. In any case, I owe a debt of gratitude to the omnipotent Allah, who has been my compass and lighthouse on the path to righteousness. Without his incredibleness, this meeting would never have happened. He is quite close to my family, and I am very grateful to them for bearing him with such love and care throughout his life.

The amazing open door policy at Daffodil International University is something I feel compelled to talk about. I sincerely thank Dr. Imran Mahmud, the Department of Software Engineering's Head and Associate Professor. I am filled with immense satisfaction for all of my wonderful instructors who have guided me in such a wonderful and helpful way. For being a part of my path, I am grateful.

I am immensely grateful to Daffodil International University for their leadership, Ms. Nusrat Tasnim's shockingly excellent supervision, and for providing crucial information regarding the project and assisting with the assignment.

The topic staff, lab specialists, and non-showing staff members were tremendously helpful to me during my project, and I am very grateful to them.

Last but not least, I'd like to thank my groupmate, who happens to be an employee at DIU, for their considerate co-development and comfort, both of which helped me complete this task.

Fahad Bin Mostofa

© Daffodil International University

ABSTRACT

"Watch World" – as the name suggests we are watching the world growing and evolving using the technology every now and then. People wear watches to see the times basically, but when they need to buy a watch for themselves or for any gift purposes, they waste hours in the markets and social media resources looking for the best deal within the budget. We all know that, "Time is Money" – but here we are wasting that exact thing for buying a watch. That's where this web system jumps in to help customers. "Watch World" – is an online watch store, where all types of watches can be found. Without needing to register into the system, any customer can look up the best deals within their budgets in just few clicks. Then, one feels committed to buy online and easily get the watch delivered to their home, all one needs is to create an account, place an order and make use of the available payment methods. Life gets easier this way. Again, if any local seller thinks why he/she need to use this web system to manage their watches, to display and to sale, the answer is simple. Using web systems don't require any physical shops which saves a seller from all types of bills and one can easily manage their products using this system, keep track of the orders and see sales history, deliver them within time and maintain a healthy relationship with the customers, what else one can ask for! Using this web system for selling and buying watches makes life easier for both sellers and customers. Living in the 21st century, everything around us is getting digitalized, so it is up to us to take the initiative and to use systems like these to lead a better and easier life. As for the concern of authenticity, there will be strong policies embedded with these systems which is beneficial for both sellers and customers. Utilizing this system properly will help its stakeholders to enjoy all the functionalities of this system. My project is very user-friendly, so everyone will be able to access this system for selling, ordering, purchasing and reviewing watches without needing to go outside of their homes. The aforementioned motto about time can be rephrased for the usage of this web system as, "Watch World – Save money, Live Better!".

© Daffodil International University

TABLE OF CONTENTS

Approval ..... **i**

Declaration ..... **ii**

Acknowledgement ..... **iii**

Abstract ..... **iv**

Table of Contents ..... **v**

List of Tables ..... **vi**

List of Figures ..... **vii**

1. Introduction **1**

1.1 Project Overview 1

1.2 Purpose 1

1.3 Stakeholders 3

1.4 Planning 3

2. SOFTWARE REQUIREMENTS SPECIFICATION (SRS) **4**

2.1 Functional Requirements 5

2.2 NON-FUNCTIONAL Requirements 11

2.3 Performance Requirements 12

3. PROJECT ANALYSIS **13**

3.1 Use Case Diagrams 13

3.2 Descriptions of Use Case 14

3.3 Activity Diagrams 21

4. Diagrams **38**

4.1 Sequence Diagram 38

4.2 Entity Relationship (ER) Diagram 50

4.3 Class Diagram 51

© Daffodil International University

4.4 Tools & Technology Used 52

5. System Testing 52

5.1 Introduction 52

5.2 Testing Features 53

5.3 Test Approach 54

5.4 Test Case 56

5.5 Testing Environment 58

6. User Interface (UI) 58

7. Summary 71

7.1 Limitations 71

7.2 Challenges and Achievement 71

7.3 Future Work 72

7.4 Github Link 72

References 72

Plagiarism report 73

Library Clearance 74

Accounts Clearance 75

© Daffodil International University

LIST OF TABLES

Table 2.1 Functional Requirements……**5**

Table 2.2 Non-Functional Requirements……**11**

Table 5.4.1 Test Case-1……**63**

Table 5.4.2 Test Case-2……**64**

LIST OF FIGURES

Figure 1.4.2 Gantt Chart……....**4**

Figure 3.1 Use Case Diagram……**18**

Figure 4.2 ER Diagram……..**57**

Figure 4.2 ER Diagram……..**58**

© Daffodil International University

THIS PAGE IS LEFT BLANK INTENTIONALLY

© Daffodil International University

1. INTRODUCTION

1.1 PROJECT OVERVIEW

“Watch World” is an online store for selling all types of watches. By using this web system, customers can easily search, book and buy from a wide variety of wonderful watch collections, categorized by male, female and unisex. The payment gateway has been integrated so that customers can pay or have “cash on delivery” as well. Customers or users can track the orders status whether it is shipped or not, how long it will take to get. Also, they can see the whole order list history from this online store. Users are needed to register into the system to get all these benefits and they can customize their profiles too. No user data will be shared outside.

As from the seller or admin’s perspective, this website is revolutionary for any local watch or any kind of shops. Sellers can simply add, update, view, search and remove products from this site, making online product display and selling management easier. Selling things on a website or having a website will give them boost in their business. Sellers will also be able to keep the sales track, deliver things easily and maintain a good relationship with their customers.

1.2 PURPOSE

1.2.1 Background of the project

As E-commerce or E-business is taking the world by storm, still many shop owners in Bangladesh fears to go online to sale their products. Usually, sellers feel maintaining a website expensive and time-consuming. But it is not true in this case, because my web system is very user-friendly for both sellers and customers. It is easy to maintain and not time consuming as well.

© Daffodil International University

As for the user's perspective, people don't buy watches every day, so they are careful while buying. While doing so, customers waste hours after hours roaming in the markets for the authentic watches within their budgets. But using this system, one can easily search and review the watches online. People in Bangladesh still don't fully trust online web systems, but having a interactive, authentic and a strong-policy web system, customers will be able to easily system and if anything goes wrong there is always review and other policies embedded with the system. So, using this system shall make purchasing watches very easier.

1.2.2 BENEFITS

- Improved store management system.
- Real-time order tracking.
- Search optimization for product search.
- Integrated payments method system.
- Better management of the watch selling operations by the authority.

1.2.3 GOALS

- User satisfaction of purchasing watches online.
- Easier search of products and reviewing system.
- Improved sales of watches and sales tracking.
- Building and maintaining better customer-relationship.

© Daffodil International University

1.3 STAKEHOLDERS

Numerous people are band together with this project. Straightforwardly or by implication, they have helped with making the system.

INTERNAL STAKEHOLDER:

- ✓ Admin (Seller)
- ✓ User (Customer)

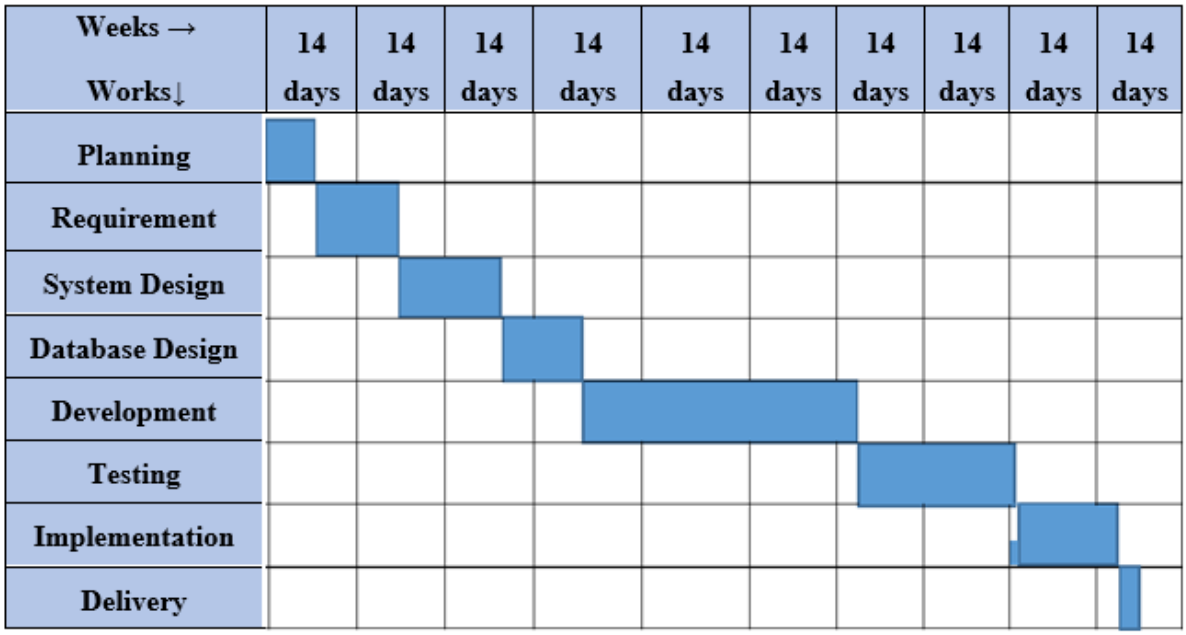
1.4 PLANNING

1.4.1 TABLE: PROJECT TIMELINE

Tasks	Resource Personnel	Start Date	Finish Date	Duration (Days)
Planning	PM, BA	13-01-2022	24-01-2022	12
Requirement	RE, RA	25-01-2022	07-02-2022	14
System Design	UI Designer	08-02-2022	28-02-2022	21
Database design	DB Designer	01-03-2022	10-03-2022	10
Development	Developer	11-03-2022	24-04-2022	45
Testing	Tester	25-04-2022	06-05-2022	12
Implementation	Implementation Eng.	07-05-2022	09-05-2022	03
Delivery	PM, Implementation Eng.	10-05-2022	10-05-2022	01
Total				118

© Daffodil International University

1.4.2 GANTT CHART



2. SOFTWARE REQUIREMENTS SPECIFICATION (SRS)

Requirements examination is the best course of seeing the client fulfillment from the structure. In this manner, requirements examination is a basic piece of project the leaders. I analyzed some particular software need:

- Who is the user of this project?
- Is it significant for them?
- What are functional and non-functional requirements
- Backend structure or algorithm
- Is it easy and helpful to use?

© Daffodil International University

2.1 FUNCTIONAL REQUIREMENTS

USER REGISTRATION AND LOGIN

FR-01	Registration
Details	Users and Admins need to register and then login to access the whole system
Stakeholder	User

UPDATE PROFILE

FR-02	UPDATE PROFILE
Details	Users can update their profile.
Stakeholder	User

DELETE PROFILE

FR-03	DELETE USER
Description	Admins and users can delete their profile
Stakeholder	Admin, User

CHANGE PASSWORD

FR-04	Change Password
Description	Users can change their passwords
Stakeholder	User

© Daffodil International University

FORGET PASSWORD

FR-05	Forget Password
Description	Users can retrieve their passwords
Stakeholder	User

ADD PRODUCT

FR-06	Add Product
Details	Admins can add products' information in the system.
Stakeholder	Admin

UPDATE PRODUCT

FR-07	Update Product
Details	Admins can Update products' information in the system.
Stakeholder	Admin

DELETE PRODUCT

FR-08	Delete Product
Details	Admins can delete products' information in the system.
Stakeholder	Admin

SEARCH PRODUCT

FR-09	Search Product
Description	Both admins and users can search products in the system.
Stakeholder	Admin, User

© Daffodil International University

SEARCH PRODUCT BY NAME

FR-10	Search Product by Name
Description	Both admins and users can search products by names in the system.
Stakeholder	Admin, User

SEARCH PRODUCT BY WATCH TYPE

FR-11	Search Product by Watch Type
Description	Both admins and users can search products by category in the system.
Stakeholder	Admin, User

SEARCH PRODUCT BY KEYWORD

FR-12	Search Product by Keyword
Description	Both admins and users can search products by keywords in the system.
Stakeholder	Admin, User

VIEW PRODUCT

FR-13	View Product
Description	Both admins and users can view products' information in the system.
Stakeholder	Admin, User

BOOK PRODUCT

FR-14	Book Product
Description	Users can book products (stored in cart) in the system.
Stakeholder	User

© Daffodil International University

VIEW CART

FR-15	View Cart
Description	Users can view their carts to proceed for order placement
Stakeholder	User

ORDER PLACEMENT

FR-16	Order Placement
Description	Users can confirm and place their orders from cart in the system.
Stakeholder	User

ORDER CANCELLATION

FR-17	Order Cancellation
Description	Both admin and user can cancel their order. Users can cancel the order before payment and admin can cancel the order after payment and refund the money.
Stakeholder	User, Admin

CHECKOUT

FR-18	CHECKOUT
Description	Users will be asked to checkout to the payment options to confirm the purchase.
Stakeholder	User

© Daffodil International University

SELECT PAYMENT METHOD

FR-19	Select Payment Method
Description	Users will be asked select from the available payment methods to confirm the purchase successfully.
Stakeholder	User

CANCEL TRANSACTION

FR-20	Cancel Transaction
Description	Users will be able to cancel the transaction before confirming, if the user feels like not confirming now..
Stakeholder	User

VIEW RECENT ORDERS

FR-21	View Recent Orders
Description	Admins and users can view the recent order list which is in pending condition.
Stakeholder	Admin, User

VIEW ORDER HISTORY

FR-22	View Order History
Description	Admins and users can view the full order history list which can be in any condition i.e., pending, completed, shipped.
Stakeholder	Admin, User

© Daffodil International University

ORDER CONFIRMATION

FR-23	Order Confirmation
Description	After a user pays for an order, the admin will confirm the order and make preparations for shipment.
Stakeholder	Admin

ORDER SHIPMENT

FR-24	Order Shipment
Description	Admin will deliver the order to the customers by following the standard and easy delivery processes.
Stakeholder	Admin

FEEDBACK

FR-25	Feedback
Description	Users can give reviews about the system and related matters. Admin will be able to view the feedbacks.
Stakeholder	User, Admin

LOG-OUT

FR-26	Log-out
Description	Users and Admins both can log-out of the system
Stakeholder	User, Admin

© Daffodil International University

2.2 NON-FUNCTIONAL REQUIREMENTS

SECURITY

NFR-01	Security
Description	Using token-based confirmation, meeting, approval 2FA so that It will be secure from unapproved access.
Priority	High

AVAILABILITY

NFR-02	Availability
description	The system needs to work every day of the week as user can will involve it consistently for convenient customer service for any buyers.
Priority	High

ACCURACY

NFR-03	Accuracy
description	Portraying the exactness, which the plan will record or convey information should be precise.
Priority	High

MAINTENANCE

NFR-04	Maintenance
description	It's much easier to maintain, change and upgrade the system.
Priority	High

© Daffodil International University

2.3 PERFORMANCE RELTAED REQUIREMENTS

SPEED AND LATENCY REQUIREMENTS

1. Dataset is implanted in MySQL Databases.
2. UI design insight for the utilization is satisfiable.

PRECISIONS OR ACCURACY REQUIREMENTS

- ✓ Each user will actually want to see a similar page.
- ✓ Administrator can refresh any information
- ✓ Administrator can administer the general system.

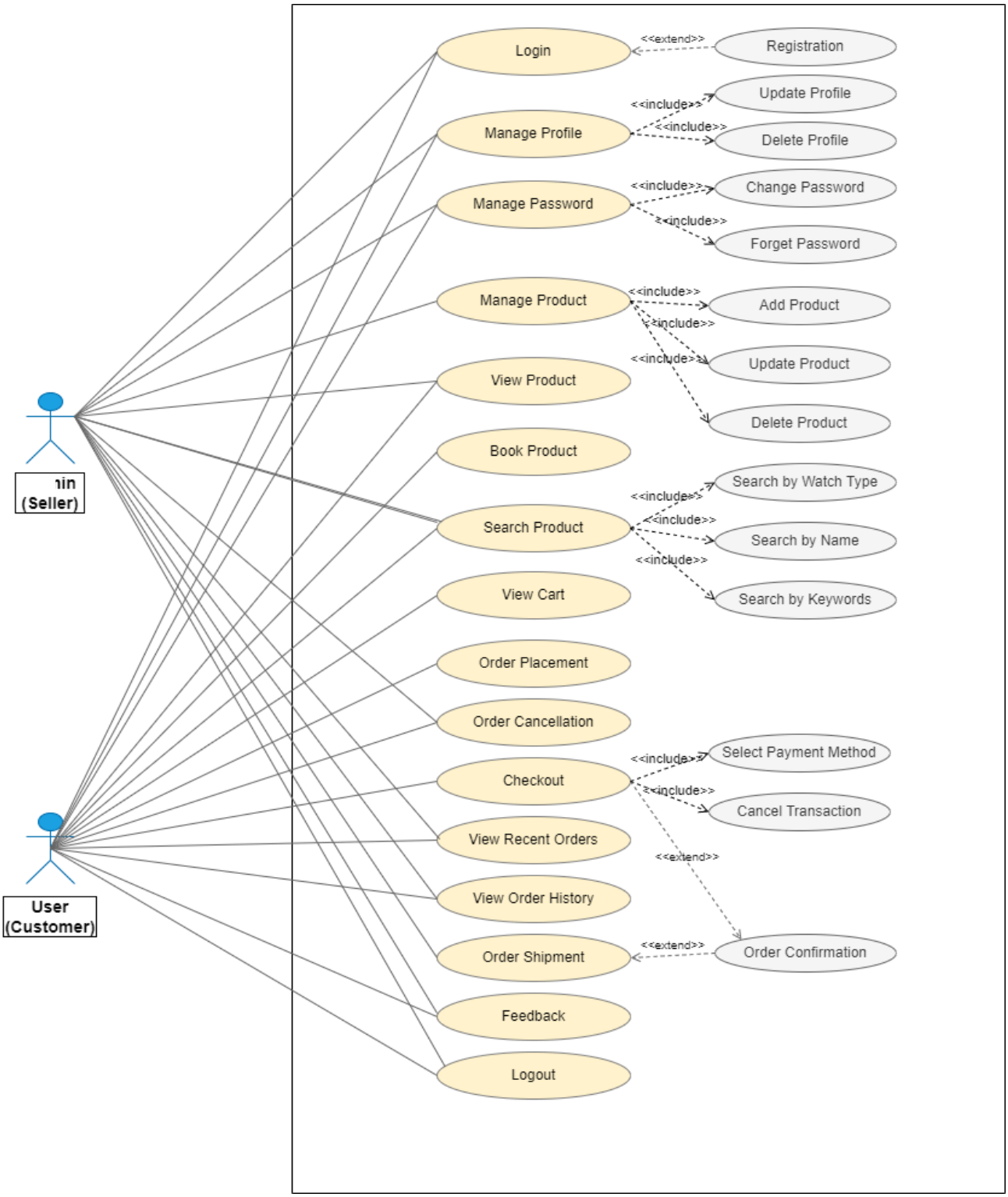
CAPACITY REQUIREMENTS

1. Users can use this system at various times.
2. Admin can sell a lot at once in rush times.

© Daffodil International University

3. PROJECT ANALYSIS

3.1 USE CASE DIAGRAMS



© Daffodil International University

3.2 DESCRIPTION OF USE CASE

REGISTRATION SYSTEM

Use Case	Registration	
Goal	Anyone can apply for register	
Preconditions	Should fill up required fields.	
Success End Condition	System gets enrollment applications from general public.	
Failed End Condition	System can't get enrollment applications from general public.	
Primary Actors:	Public	
Secondary Actors	N/A	
Trigger	Access this website.	
Description/main Success Scenario	**Step**	**Action**
	1.	Public can register into this site
	2.	Public need to enter the URL and the URL will show the "Registration" pages.
	3.	Public must enter all expected data in "Registration" structure.
Alternative Flows	**Step**	**Branching Action**
	1.	Get "Enlistment" page again load if any botch occurred.
Quality Requirements	**Step**	**Requirement**
	1.	Ought to be valid as Public. What's more, besides modify or invigorate these applications.

© Daffodil International University

LOGIN AND LOG OUT SYSTEM

Use Case	Login and log out system	
Goal	Admins and Users can access the system. Lastly, Log out.	
Preconditions	N/A	
Success End Condition	Admins and Users can access the system.	
Failed End Condition	Admins and Users cannot access the system.	
Primary Actors:	Admins and Users	
Secondary Actors	N/A	
Trigger	Access This System	
Description/main Success Scenario	**Step**	**Action**
	1	Admin or user visit the login page.
	2	The user enters their email id and password in the returning user section of the sign in screen.
Alternative Flows	**Step**	**Branching Action**
	1a	The user enters their username and password
Quality Requirements	**Step**	**Requirement**
	1	When user login then needs to address email id for login and what's more, password.

© Daffodil International University

PRODUCT MANAGE SYSTEM

Use Case	Product Management	
Goal	Administrator can add new item. Likewise in the event that one commits a mistake while adding an item, you can revive it or delete it when the item is unavailable.	
Preconditions	Needed to be signed in the system then can get to the system.	
Success End Condition	System effectively views, add, update, erase product.	
Failed End Condition	Can't see and other operations related to product management.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View, add, update and delete.	
Description/main Success Scenario	**Step**	**Action**
	1	Admin can view, add, update and delete.
	2	Successfully view add update delete.
Alternative Flows	**Step**	**Branching Action**
	1a	N/A
Quality Requirements	**Step**	**Requirement**
	1	Needed to be signed in system.

© Daffodil International University

SEARCH PRODUCT SYSTEM

Use Case	Search Product system	
Goal	In the event that you want to look through all of the items while offering the item to the client, it includes time.as soon as possible find out for item search and class wise item search find actually and faster find out.	
Preconditions	Needed to be signed in the system then can get to the system.	
Success End Condition	System effectively views, search product.	
Failed End Condition	Can't search and view products by using different searching features.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and search product.	
Description/main Success Scenario	**Step**	**Action**
	1	Admin can view, and search product.
	2	Successfully view and search product.
Alternative Flows	**Step**	**Branching Action**
	1a	N/A
Quality Requirements	**Step**	**Requirement**
	1	Needed to be signed in system.

© Daffodil International University

SELECT PRODUCT SYSTEM

Use Case	Order Placement system	
Goal	Right when the client buys the item, around the completion of the purchase, the client's item ought to be conveyed by the client's area and here the administrator has proactively added the supplier, then, the administrator will add the supplier decision for the new client with the objective that the client's item shows up at the client exceptionally Quick.	
Preconditions	Needed to be signed in the system then can get to the system.	
Success End Condition	System effectively views, order placement.	
Failed End Condition	Can't view and use order placement related functions.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and search product.	
Description/main Success Scenario	**Step**	**Action**
	1	Admin can view, and order placement.
	2	Successfully view and order placement.
Alternative Flows	**Step**	**Branching Action**
	1a	N/A
Quality Requirements	**Step**	**Requirement**
	1	Needed to be signed in system.

© Daffodil International University

ORDER PLACEMENT SYSTEM

Use Case	Order Placement system	
Goal	Right when the client buys the item, around the completion of the purchase, the client's item ought to be conveyed by the client's area and here the administrator has proactively added the supplier, then, the administrator will add the supplier decision for the new client with the objective that the client's item shows up at the client exceptionally Quick.	
Preconditions	Needed to be signed in the system then can get to the system.	
Success End Condition	System effectively views, order placement.	
Failed End Condition	Can't view and use order placement related functions.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and search product.	
Description/main Success Scenario	**Step**	**Action**
	1	Admin can view, and order placement.
	2	Successfully view and order placement.
Alternative Flows	**Step**	**Branching Action**
	1a	N/A
Quality Requirements	**Step**	**Requirement**
	1	Needed to be signed in system.

© Daffodil International University

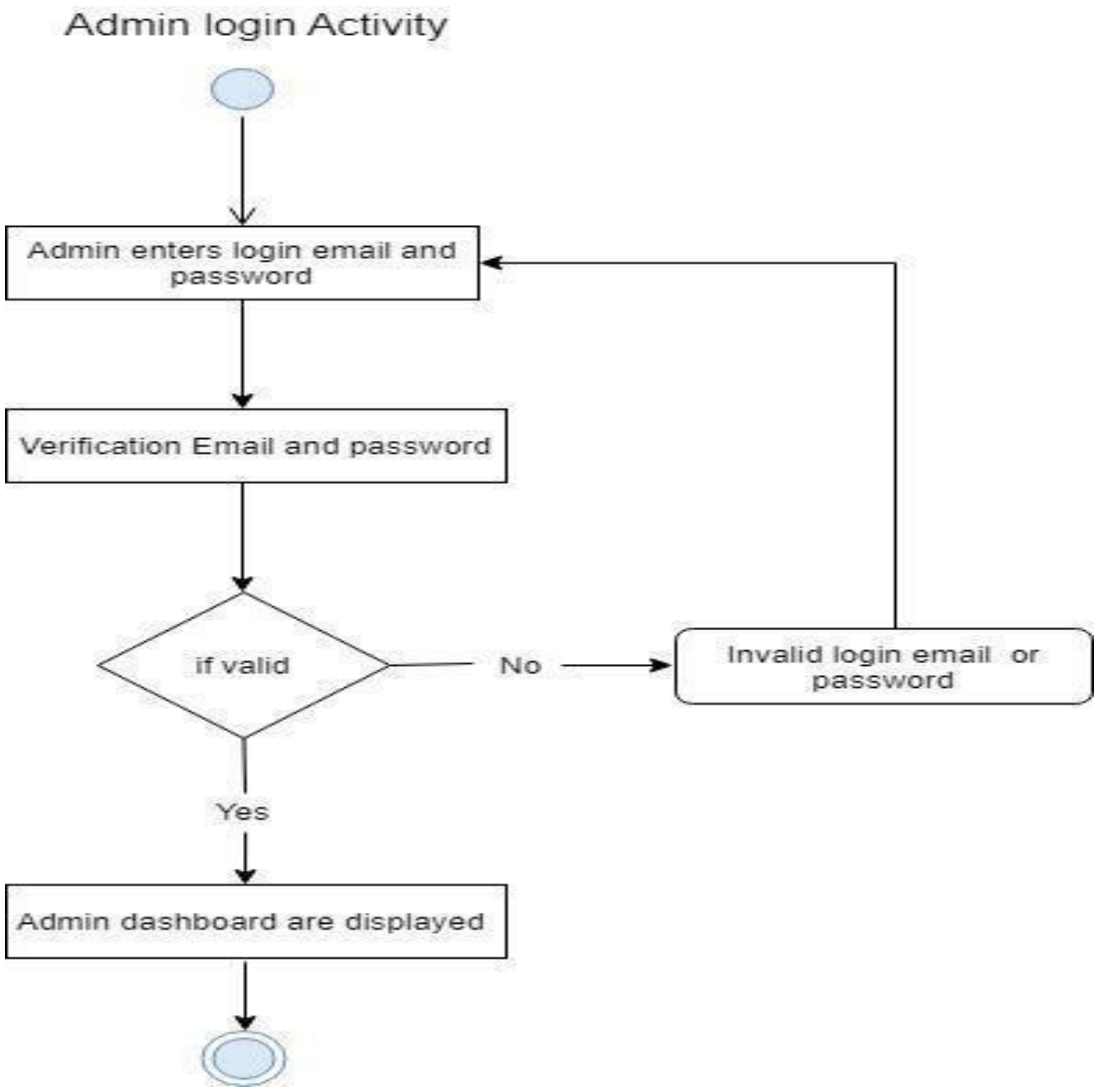
CHECKOUT SYSTEM

Use Case	Checkout system	
Goal	After the client buys the product, the record is kept with his Address so the items can pass accord on to the client's area and the seller can keep his record.	
Preconditions	Needed to be signed in the system then can get to the system.	
Success End Condition	System effectively views and checkout.	
Failed End Condition	Can't see and other and checkout.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and checkout.	
Description/main Success Scenario	**Step**	**Action**
	1	Admin can view, and checkout.
	2	Successfully view and checkout.
Alternative Flows	**Step**	**Branching Action**
	1a	N/A
Quality Requirements	**Step**	**Requirement**
	1	Needed to be signed in system.

© Daffodil International University

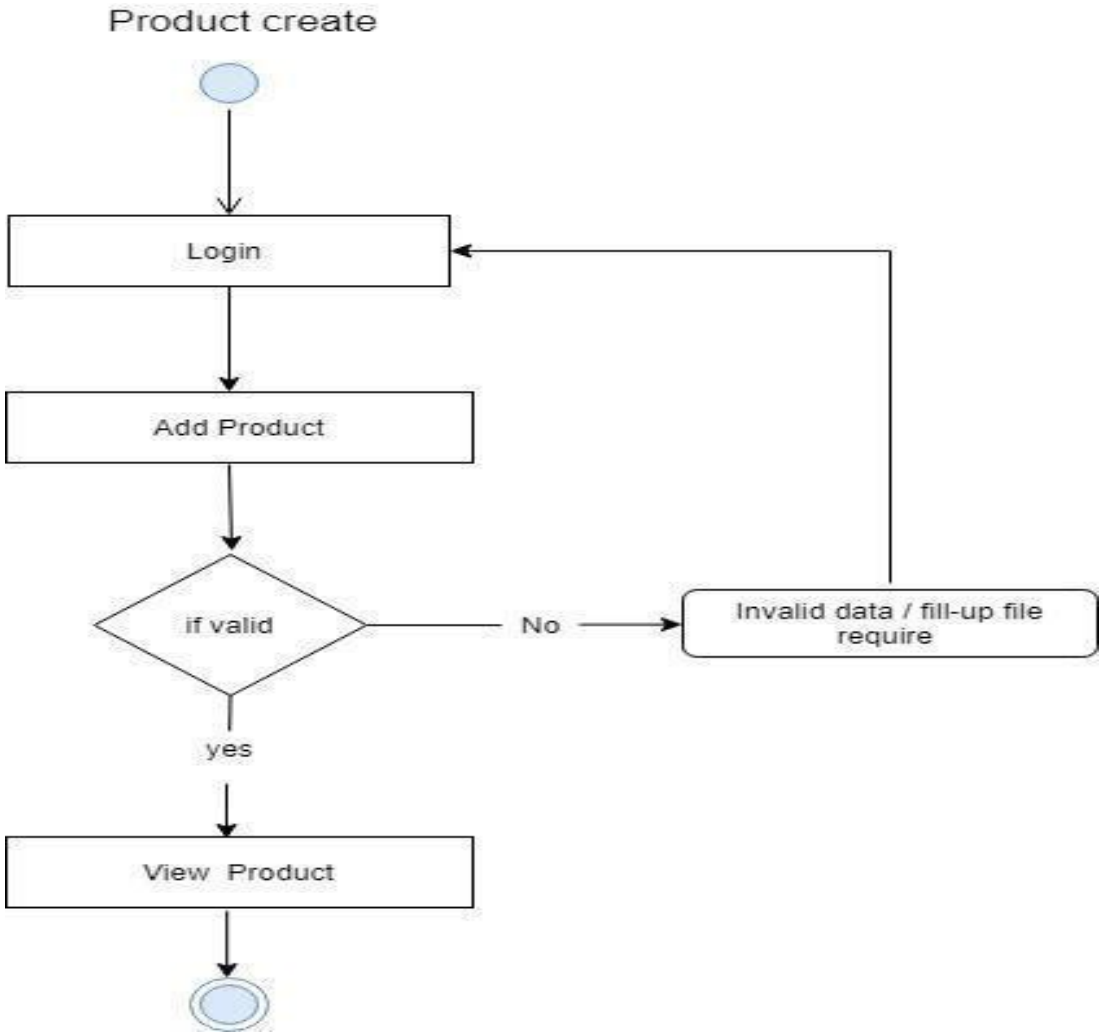
3.3 ACTIVITY DIAGRAM

ADMIN LOGIN ACTIVITY



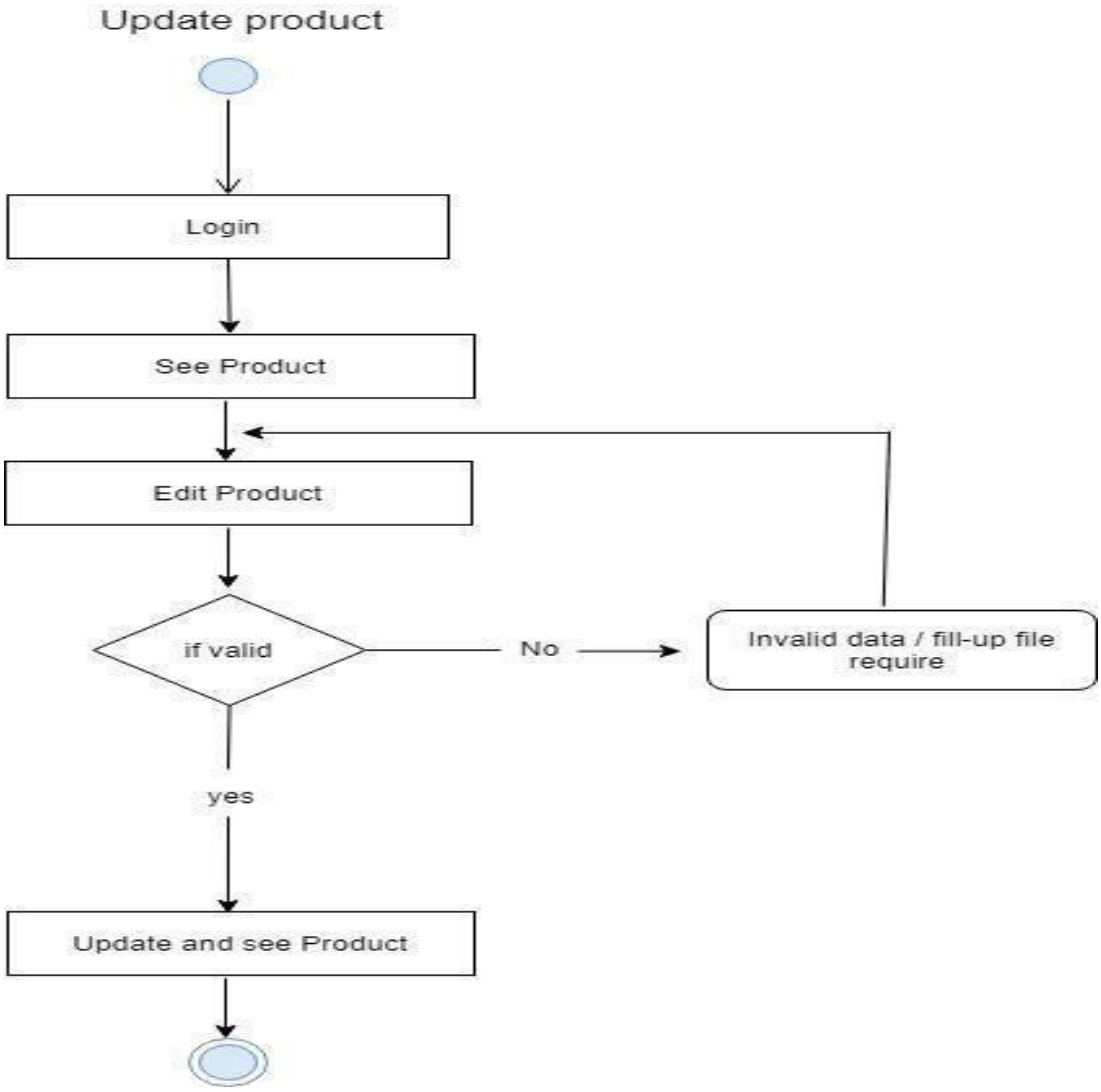
© Daffodil International University

ADD PRODUCT ACTIVITY



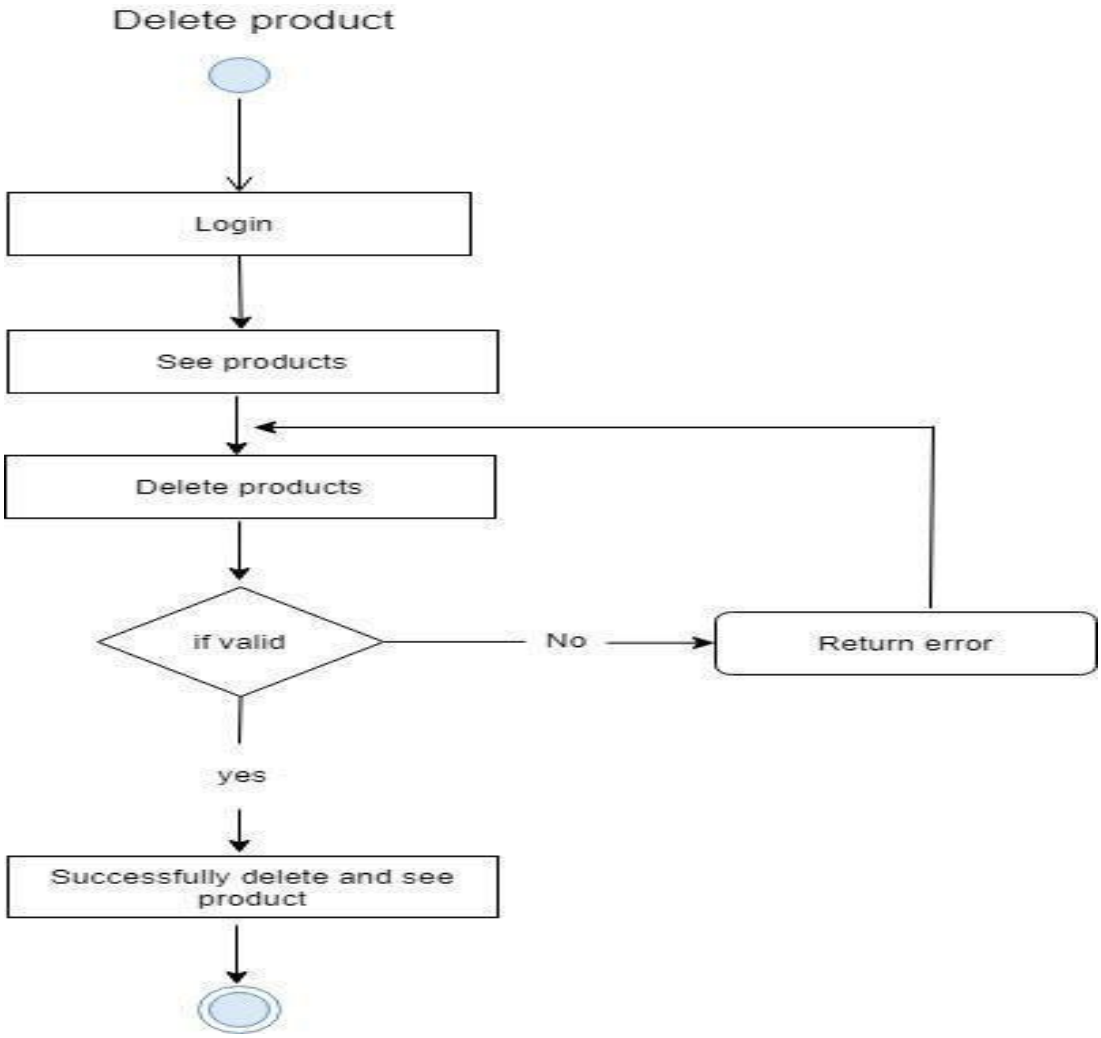
© Daffodil International University

UPDATE PRODUCT ACTIVITY



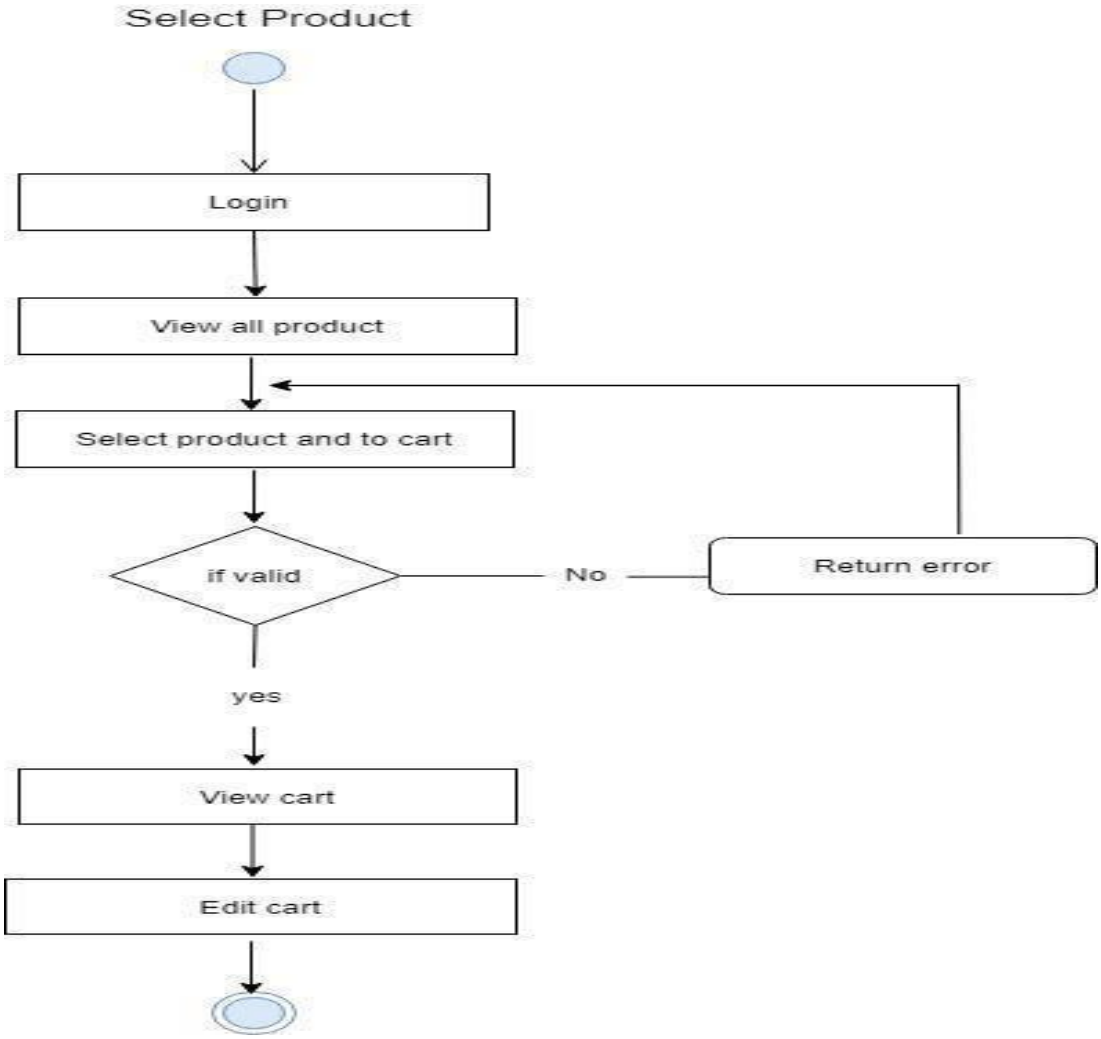
© Daffodil International University

DELETE PRODUCT ACTIVITY



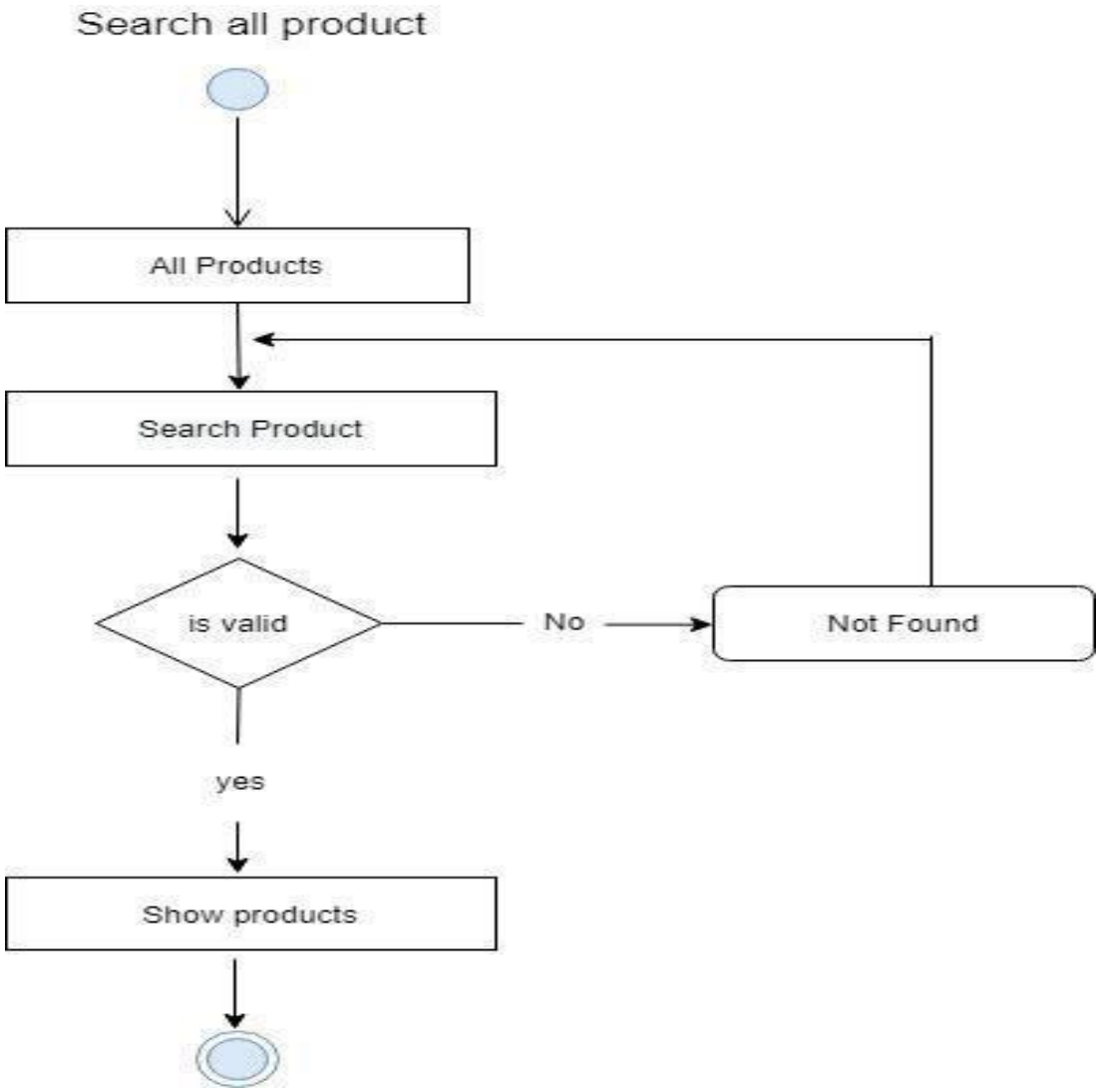
© Daffodil International University

VIEW PRODUCT ACTIVITY



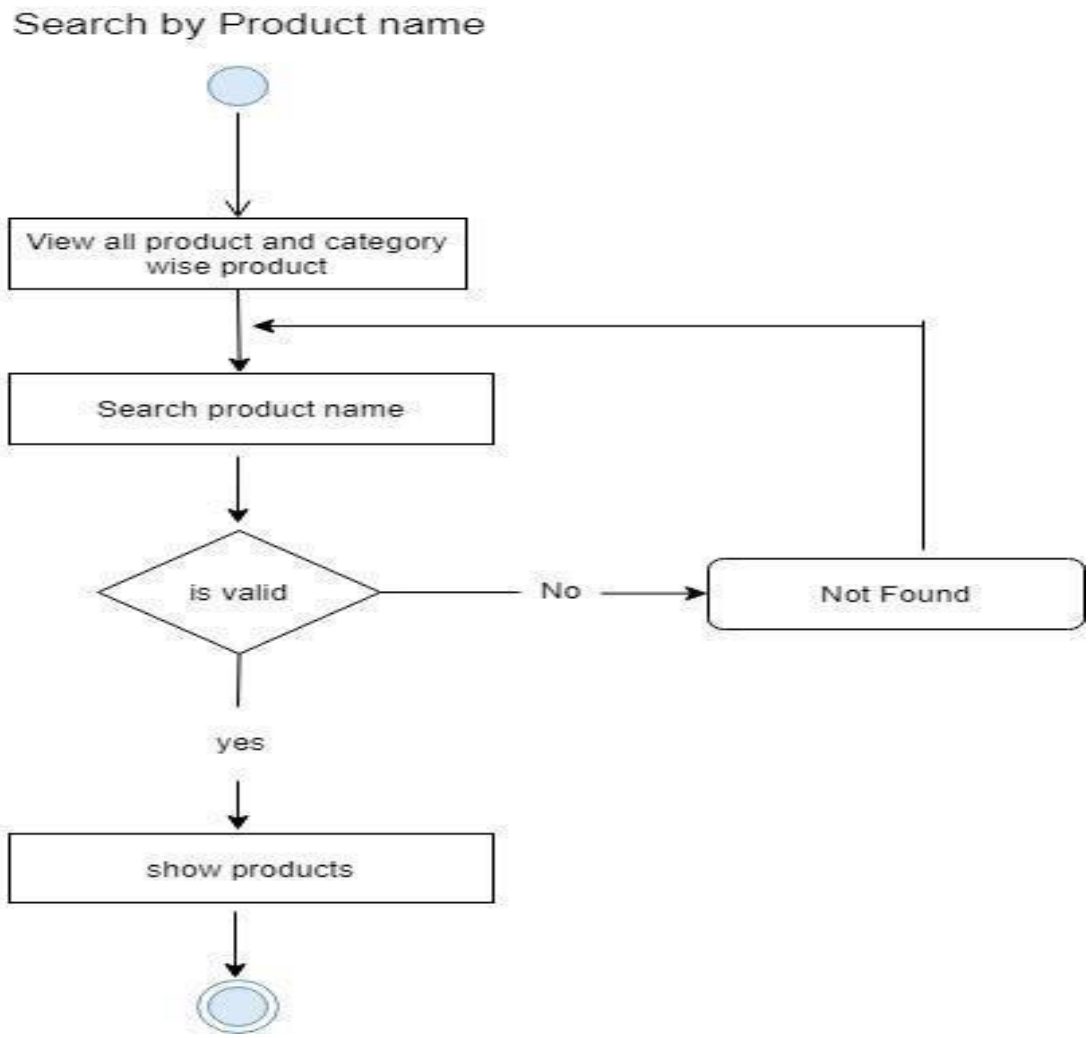
© Daffodil International University

SEARCH PRODUCTS ACTIVITY



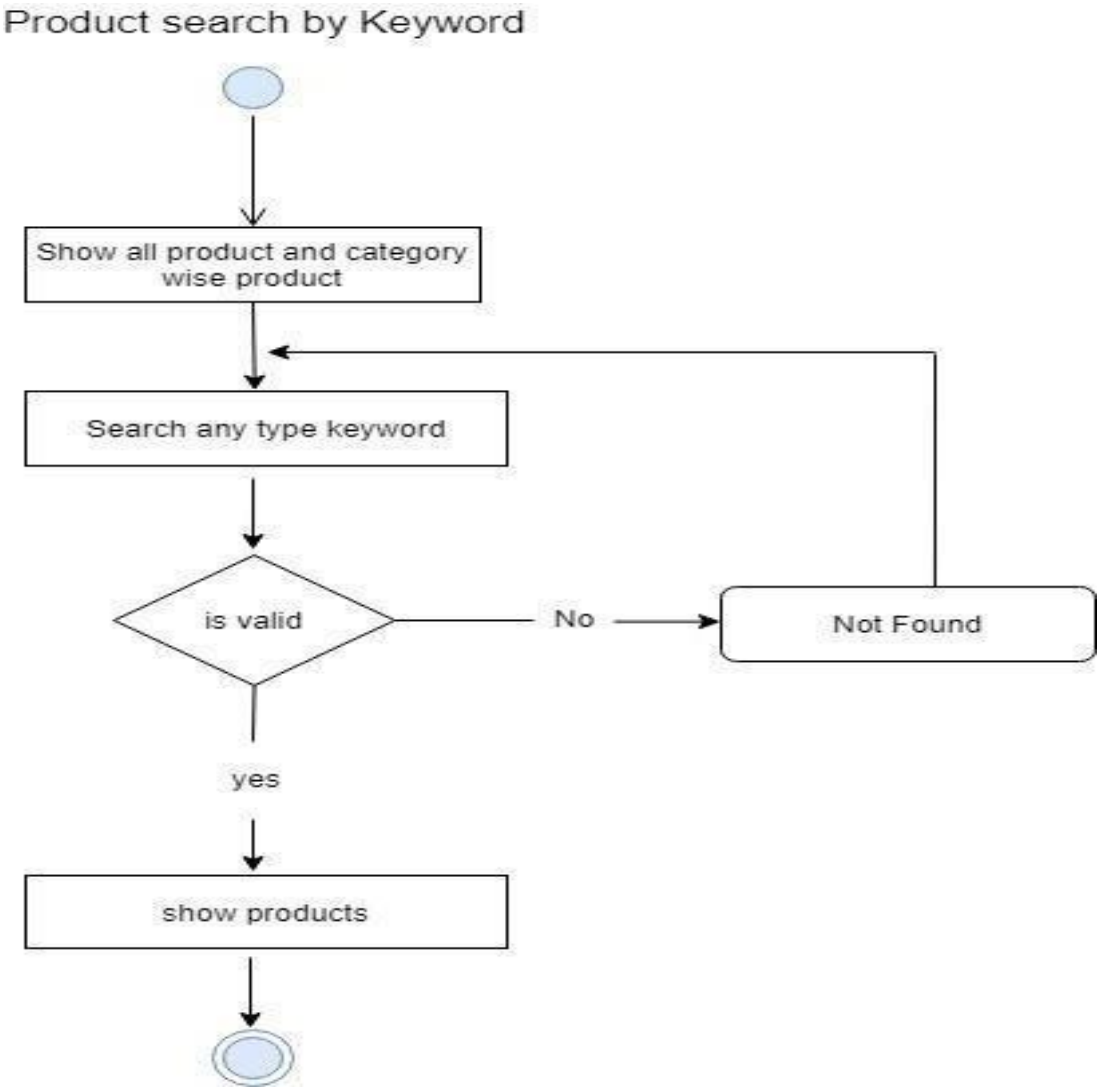
© Daffodil International University

SEARCH PRODUCT BY WATCH NAME ACTIVITY



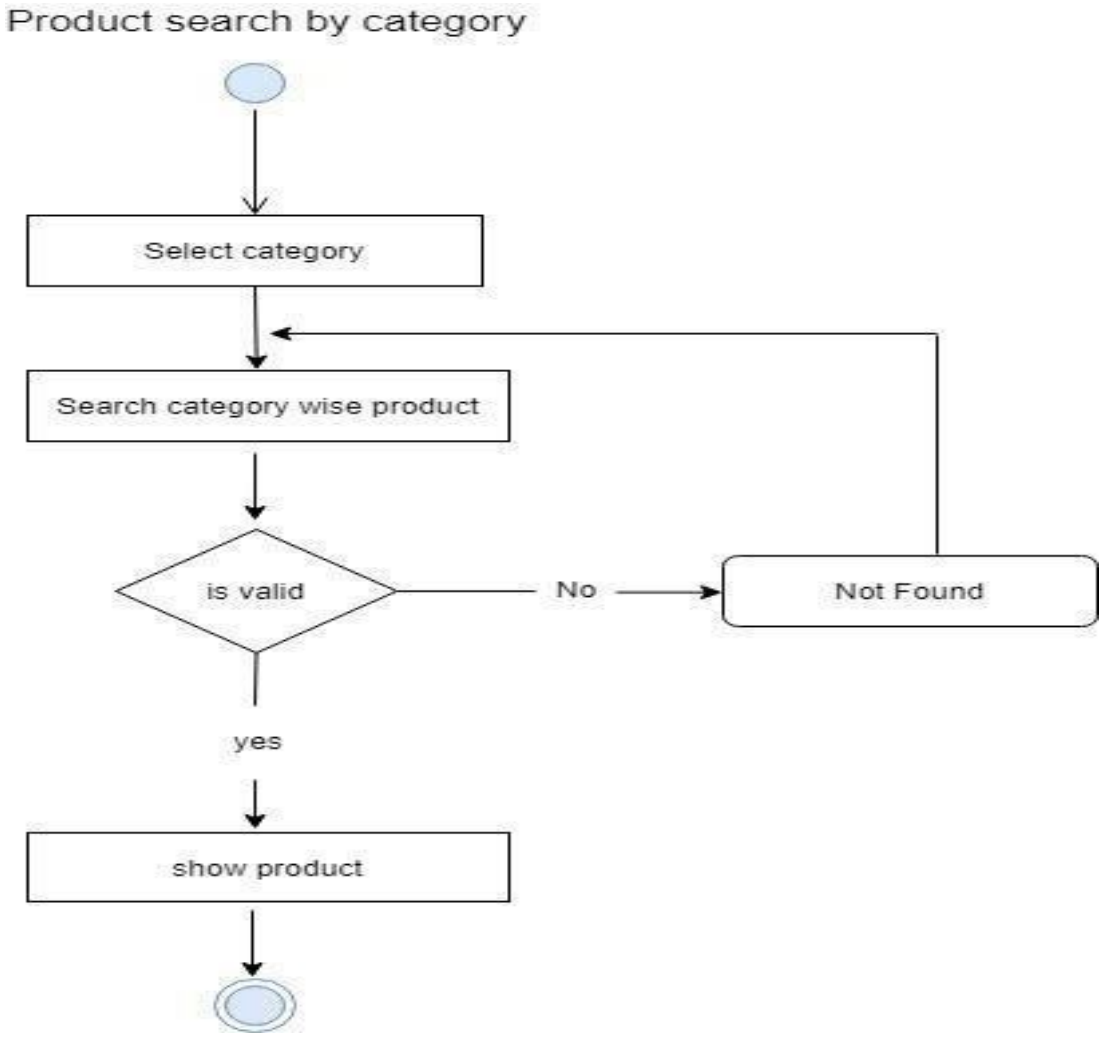
© Daffodil International University

SEARCH PRODUCT BY KEYWORD ACTIVITY



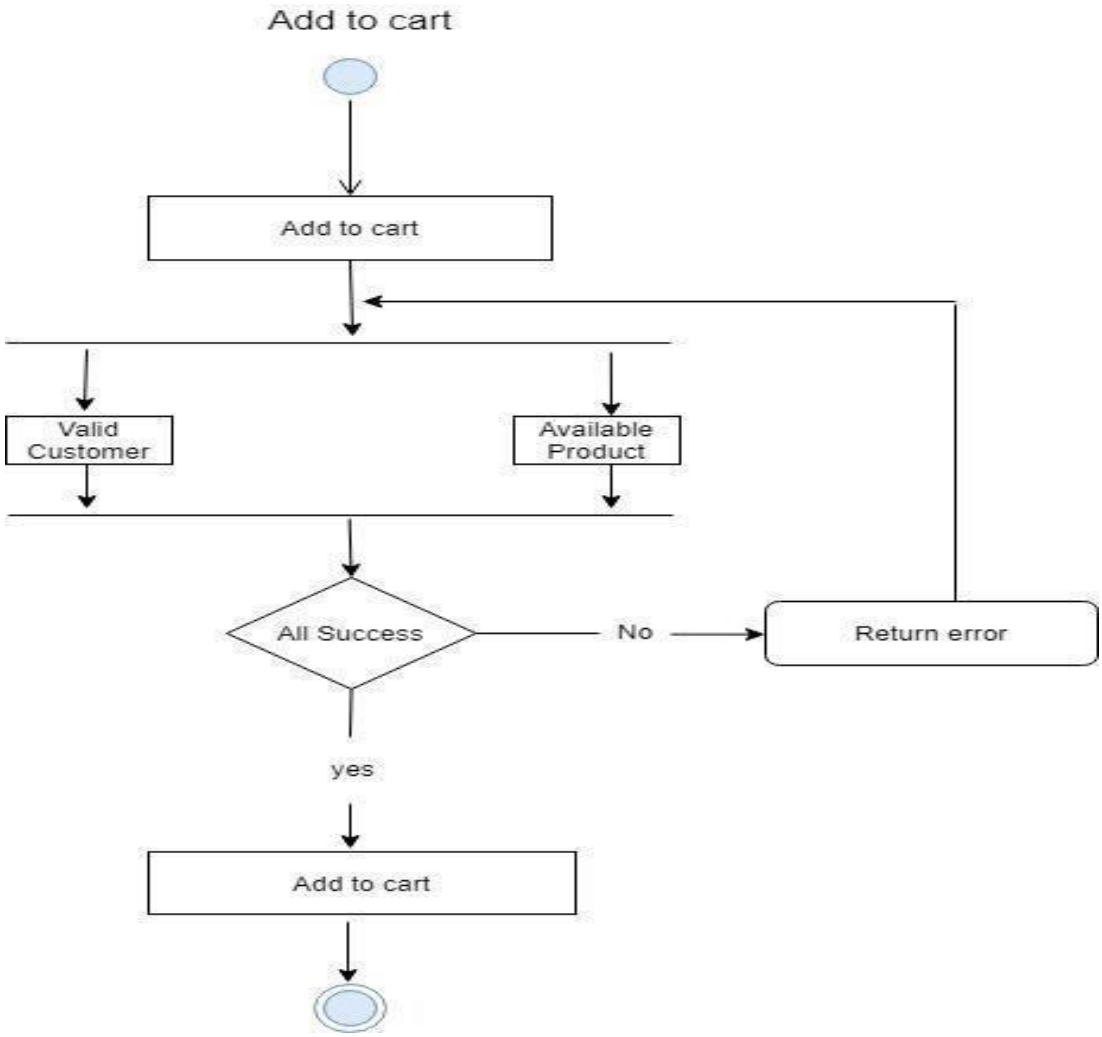
© Daffodil International University

SEARCH PRODUCT BY WATCH CATEGORY ACTIVITY



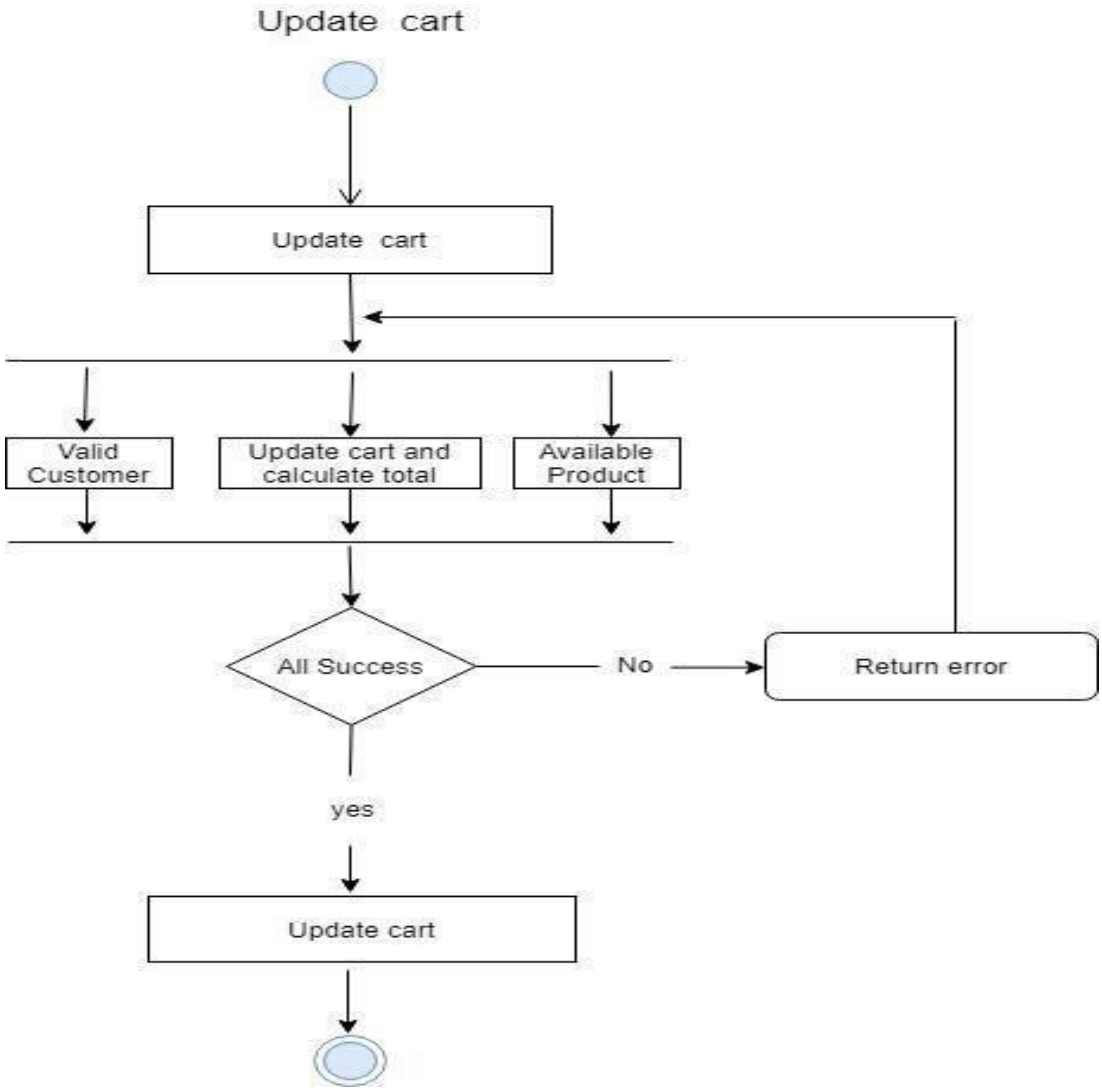
© Daffodil International University

ADD TO CART ACTIVITY



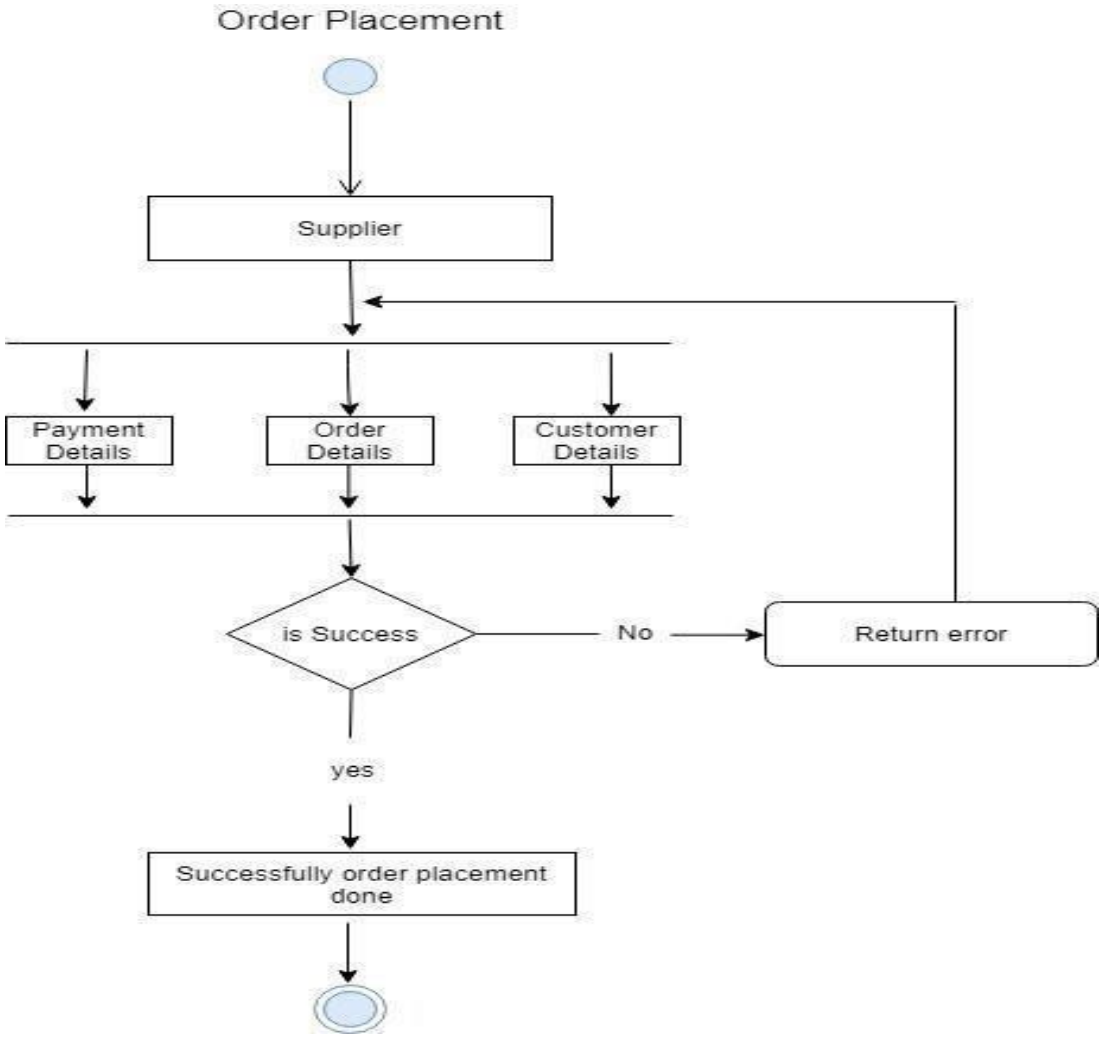
© Daffodil International University

UPDATE CART ACTIVITY



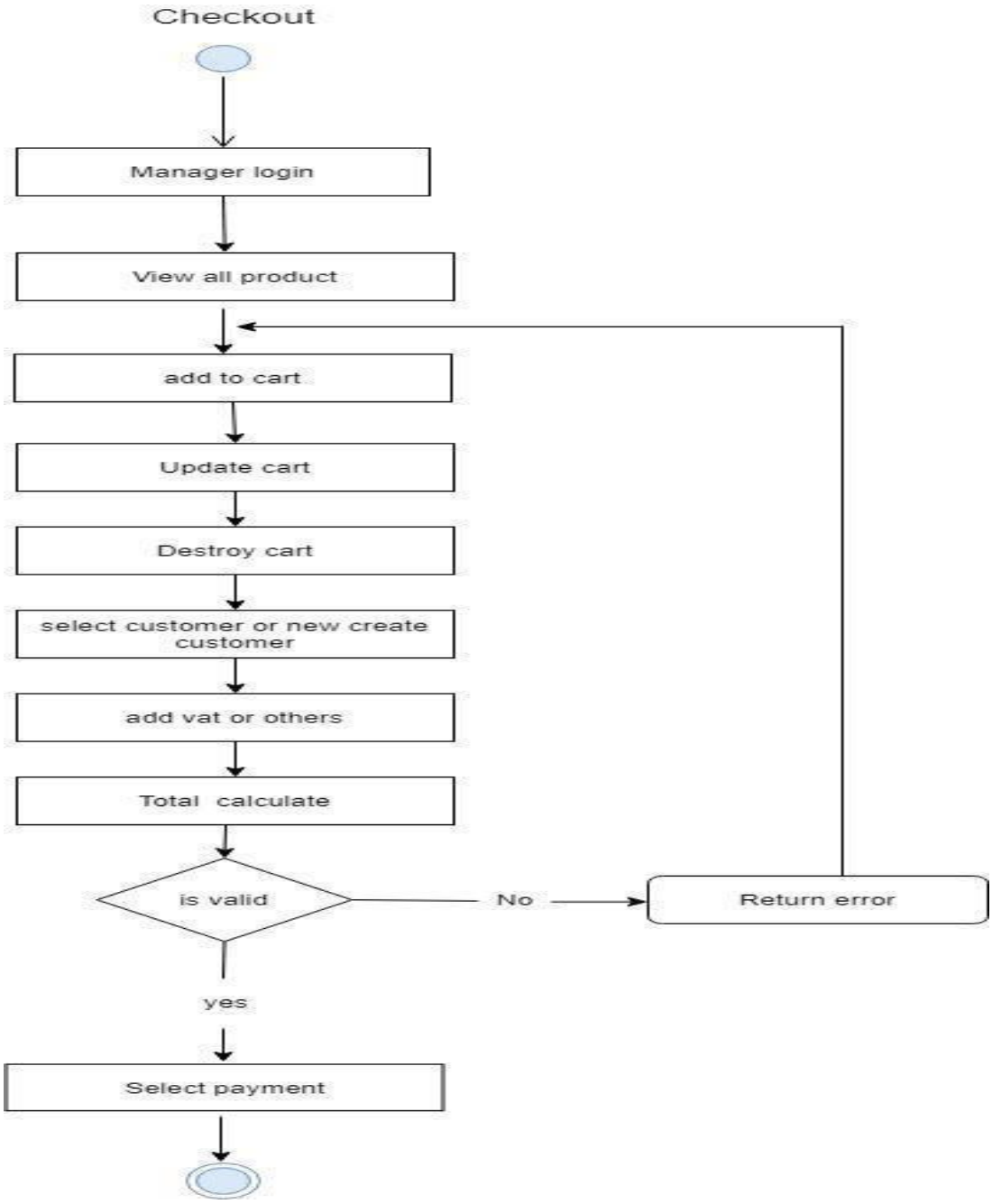
© Daffodil International University

ORDER PLACEMENT ACTIVITY



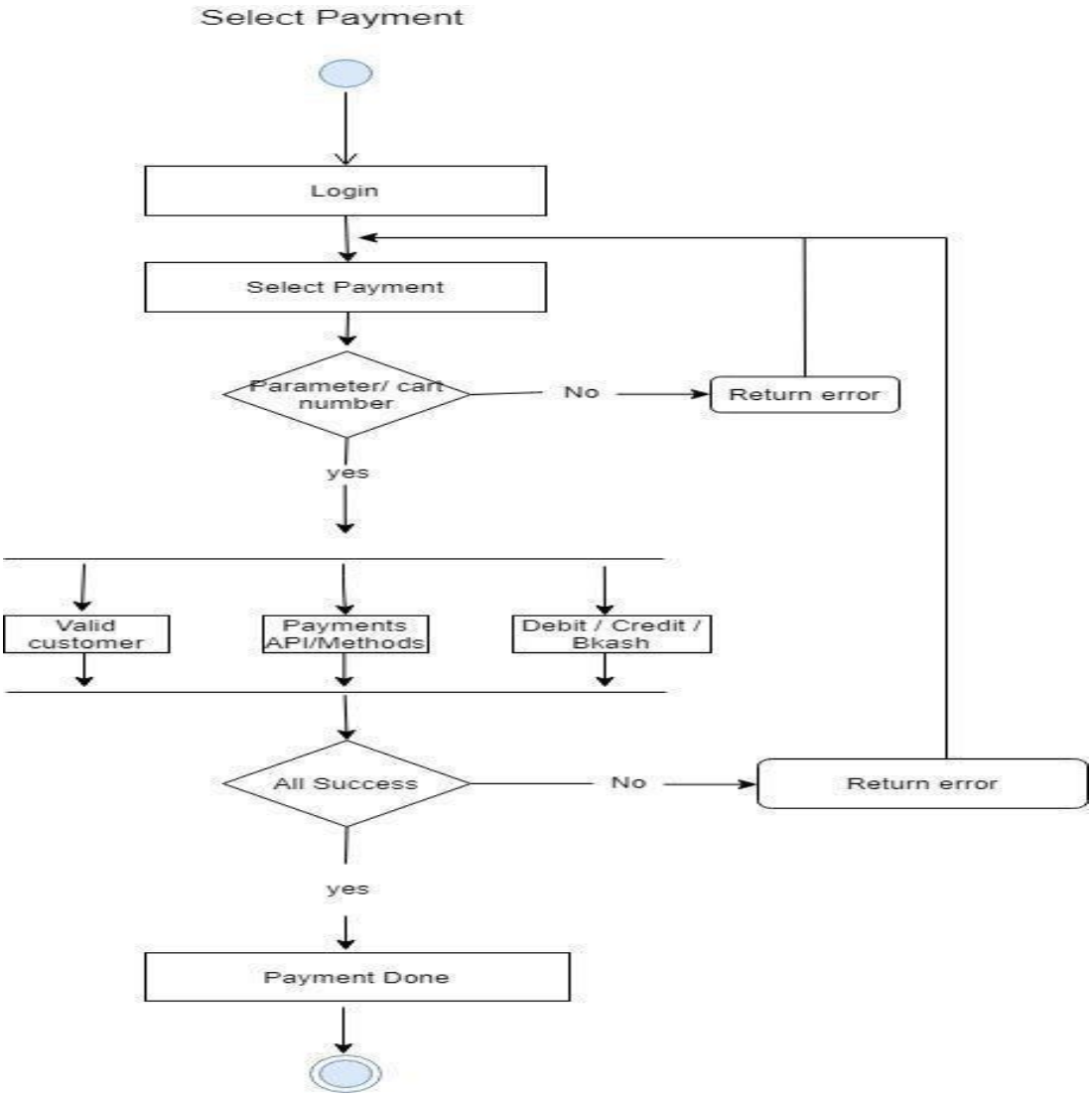
© Daffodil International University

CHECKOUT ACTIVITY



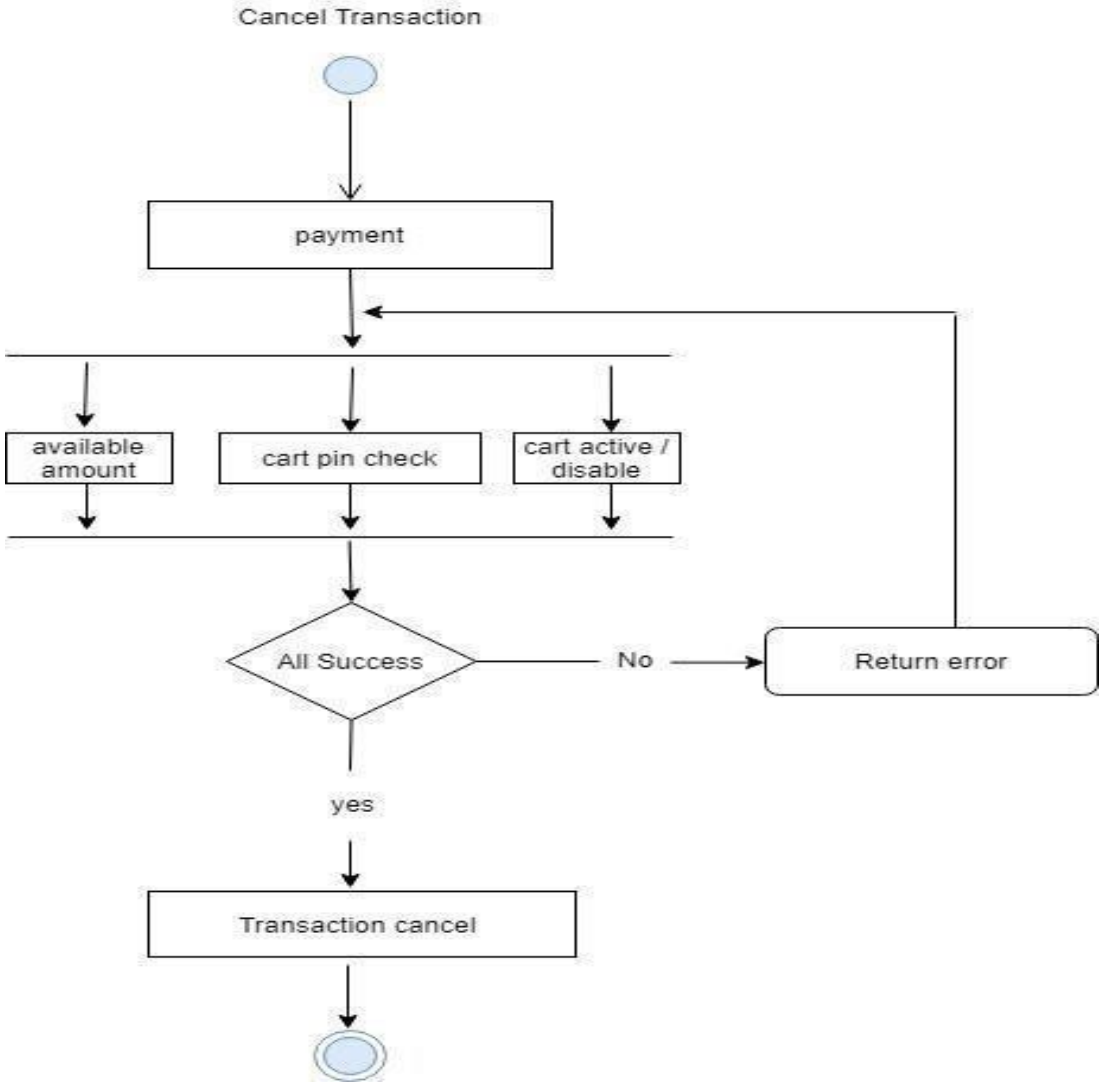
© Daffodil International University

SELECT PAYMENT METHOD ACTIVITY



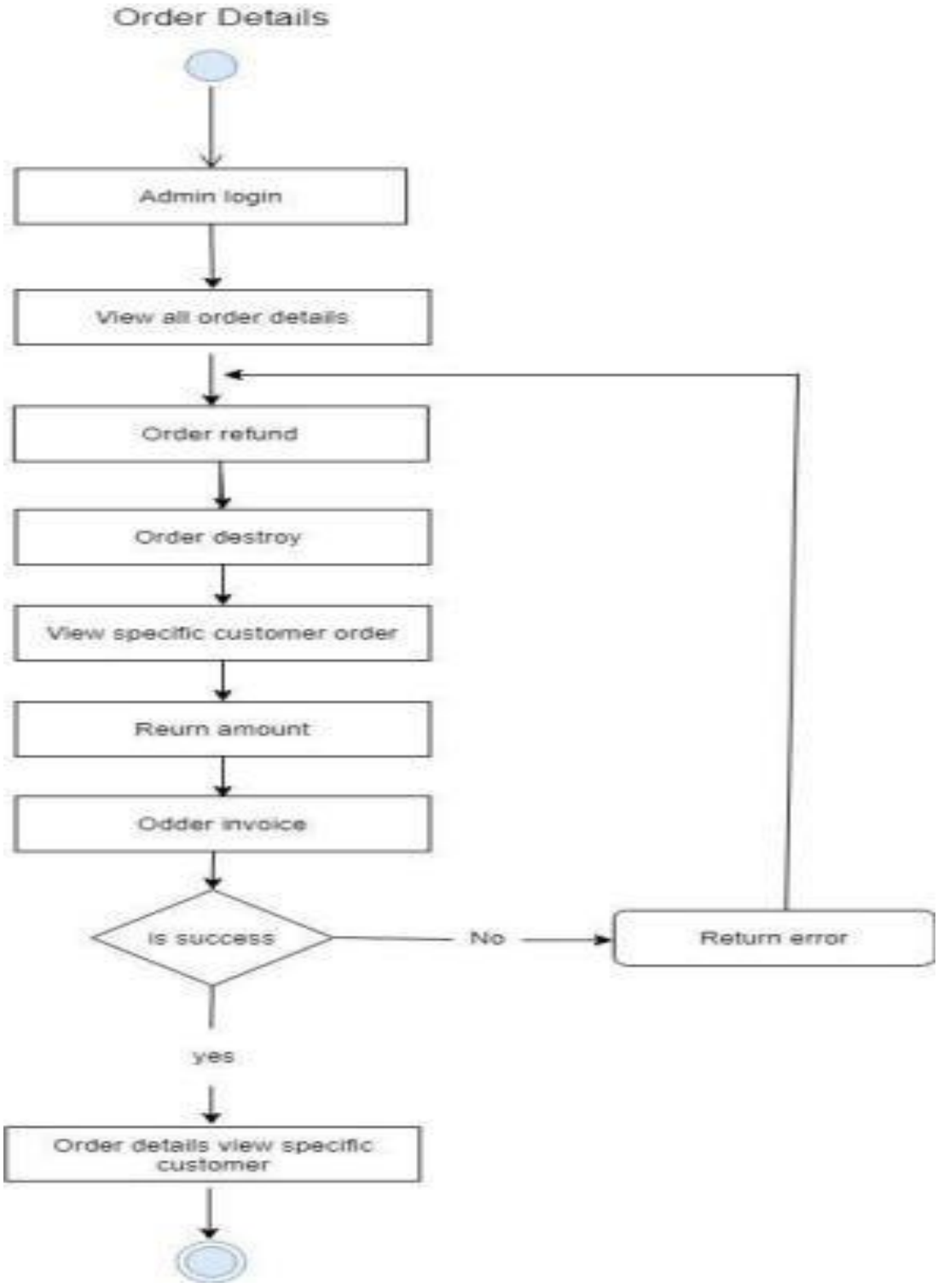
© Daffodil International University

ORDER / TRANSACTION CANCELLATION ACTIVITY



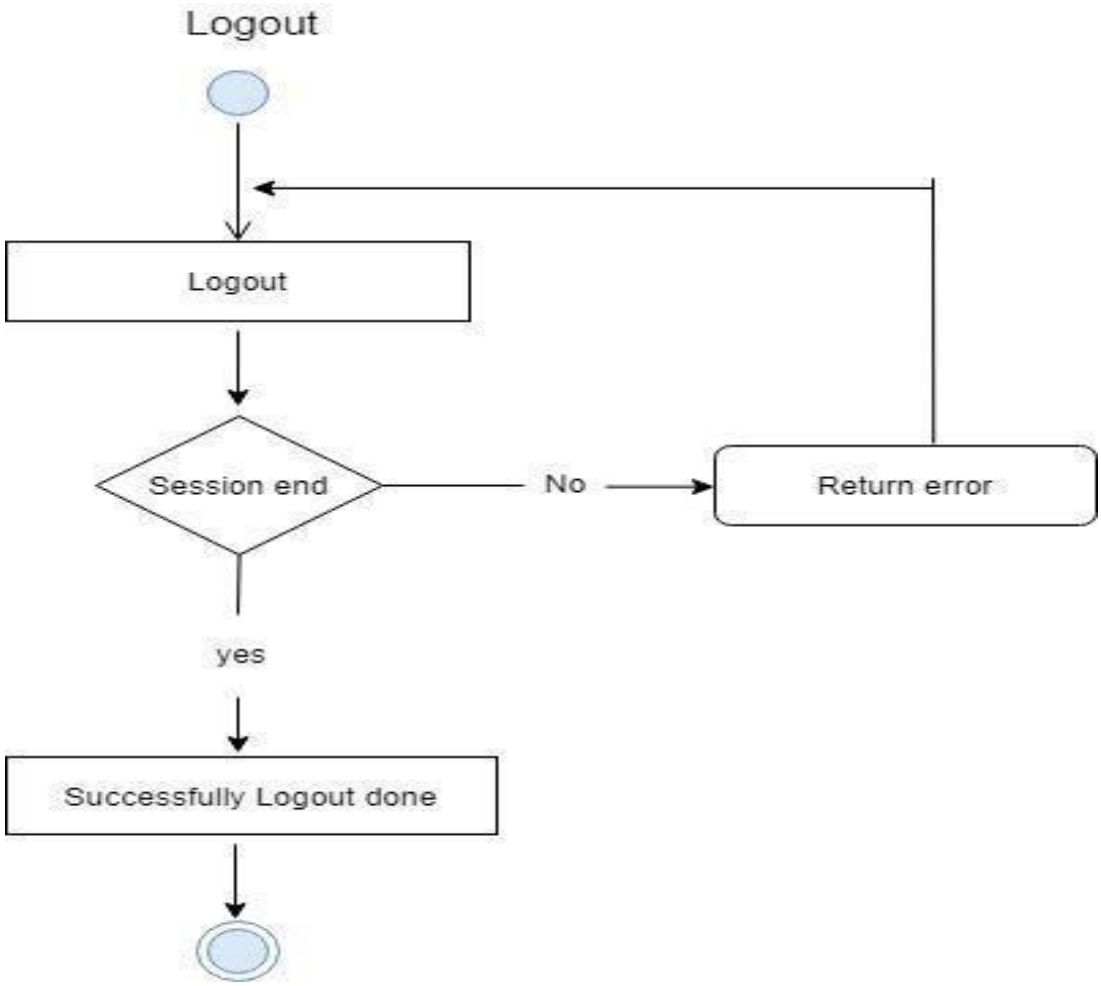
© Daffodil International University

ORDER CONFIRMATION ACTIVITY



© Daffodil International University

LOG-OUT ACTIVITY

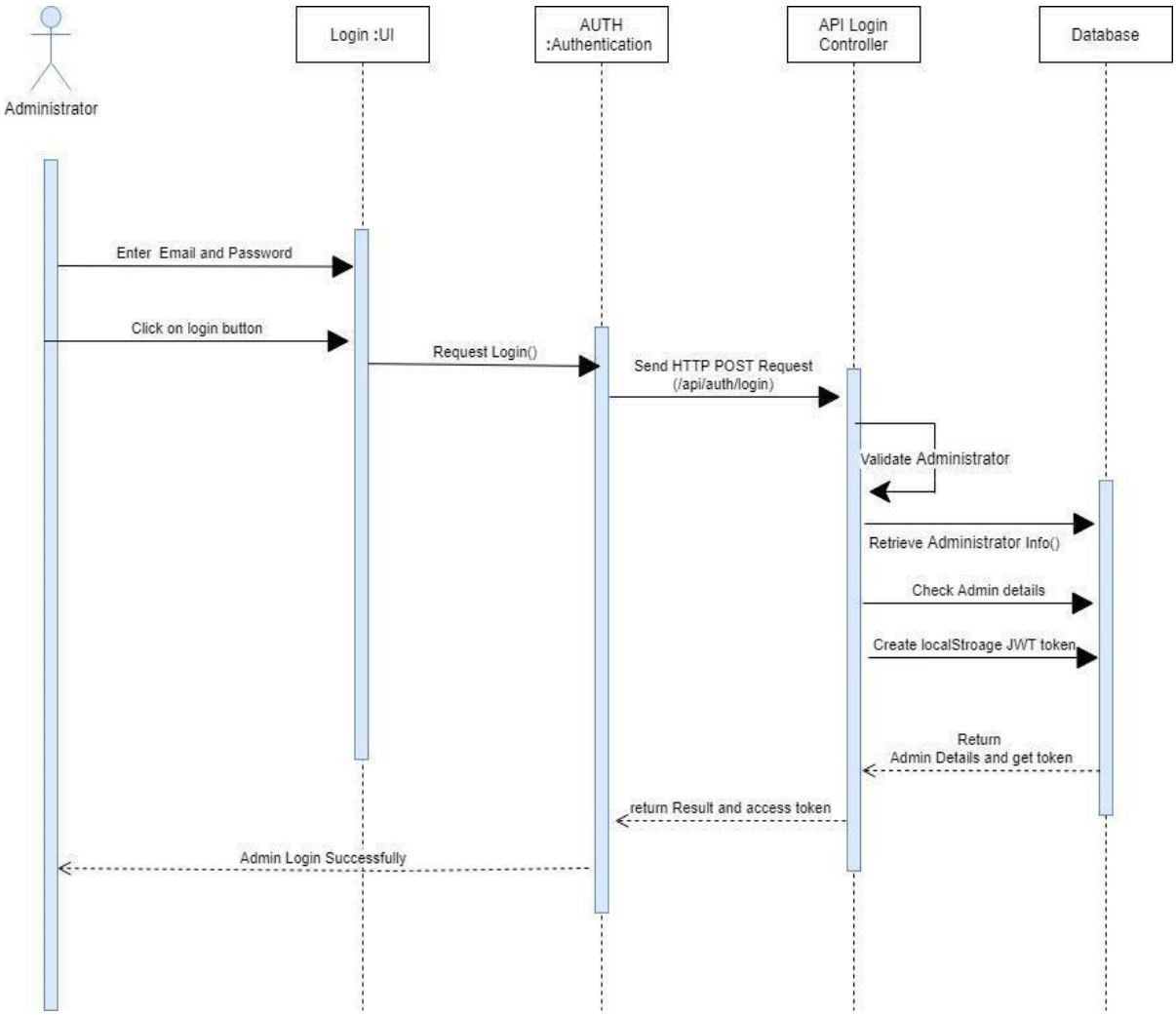


© Daffodil International University

4. DIAGRAMS

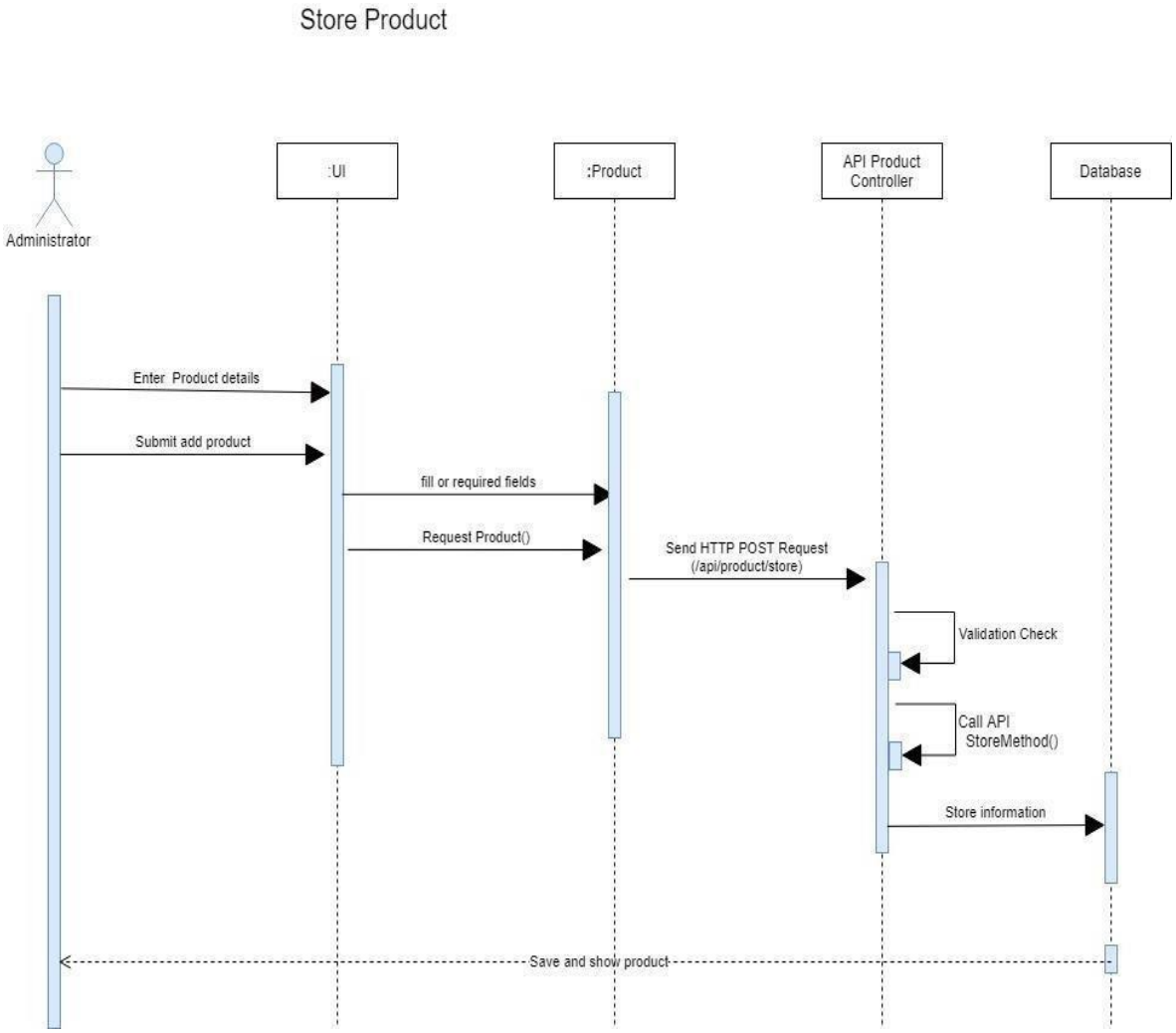
4.1 SEQUENCE DIAGRAM

LOGIN



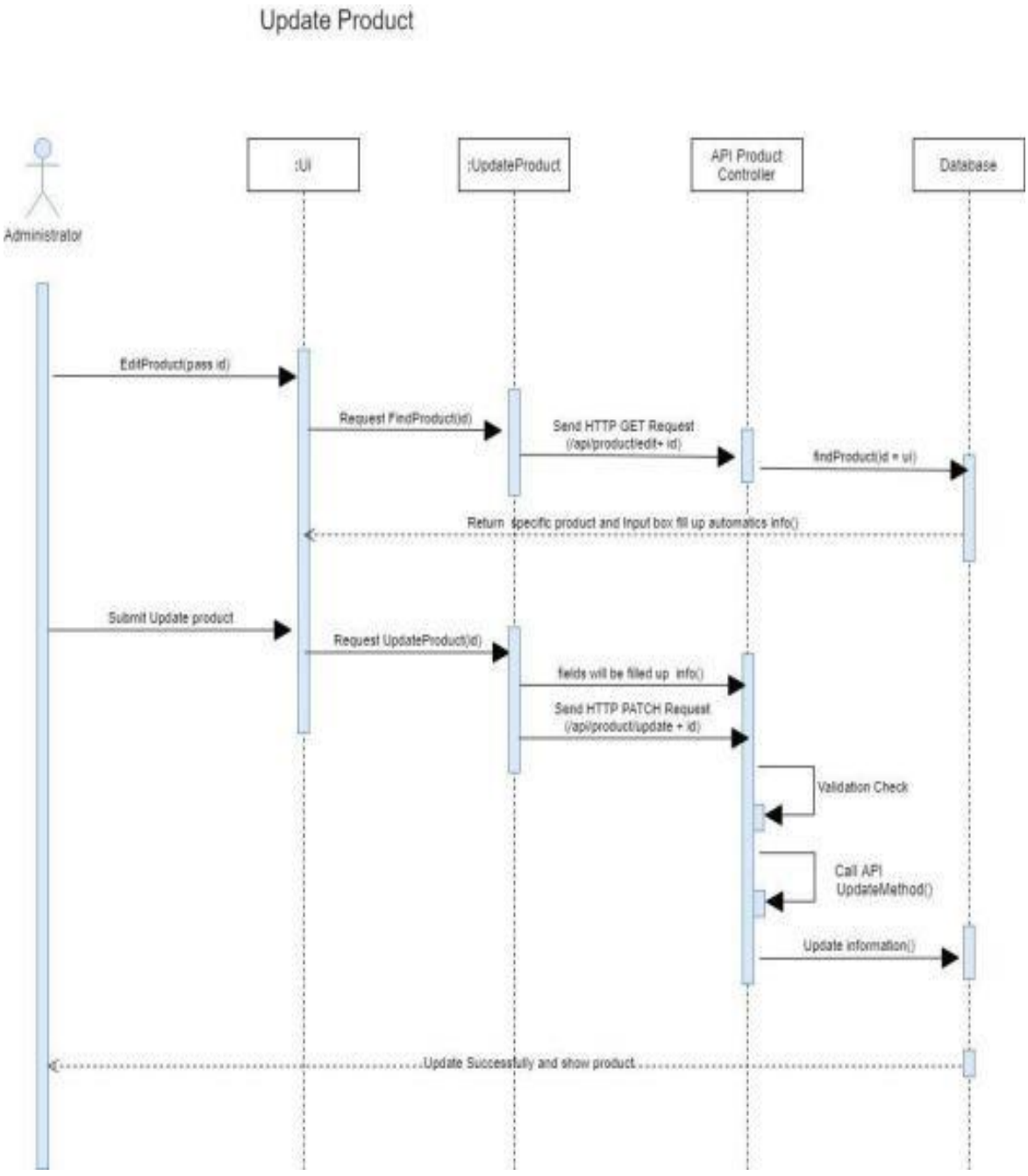
© Daffodil International University

ADD PRODUCT



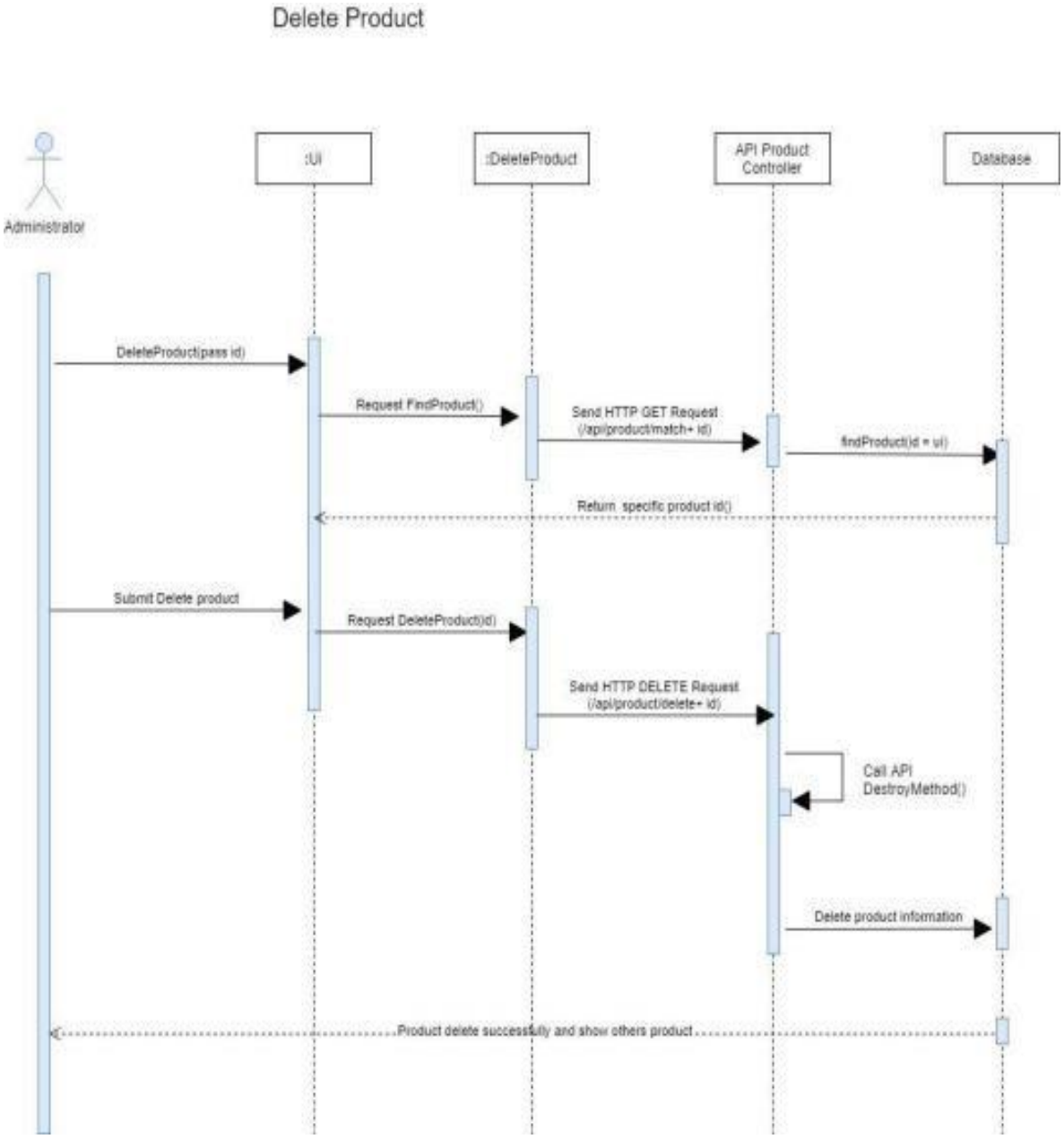
© Daffodil International University

UPDATE PRODUCT



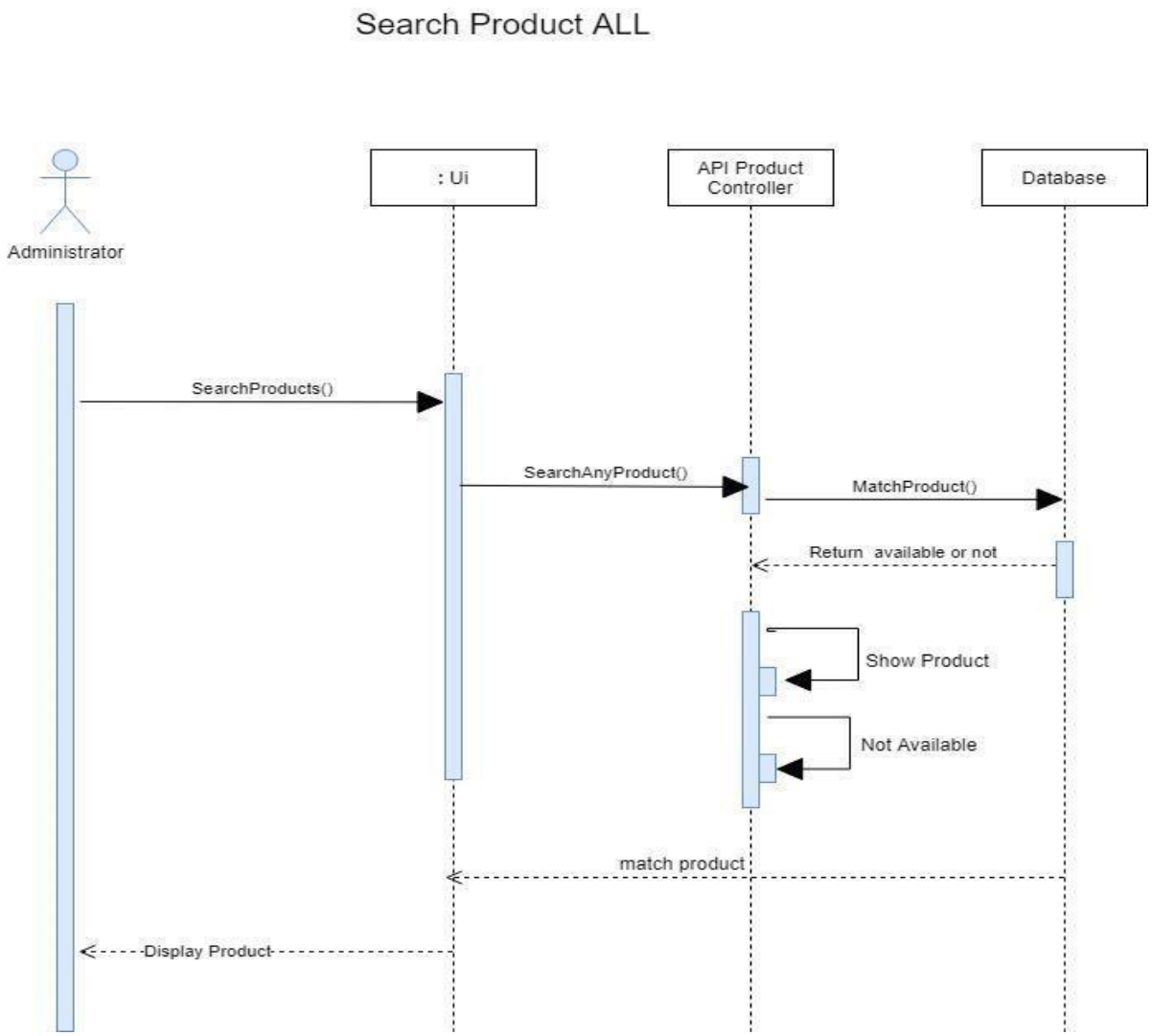
© Daffodil International University

DELETE PRODUCT



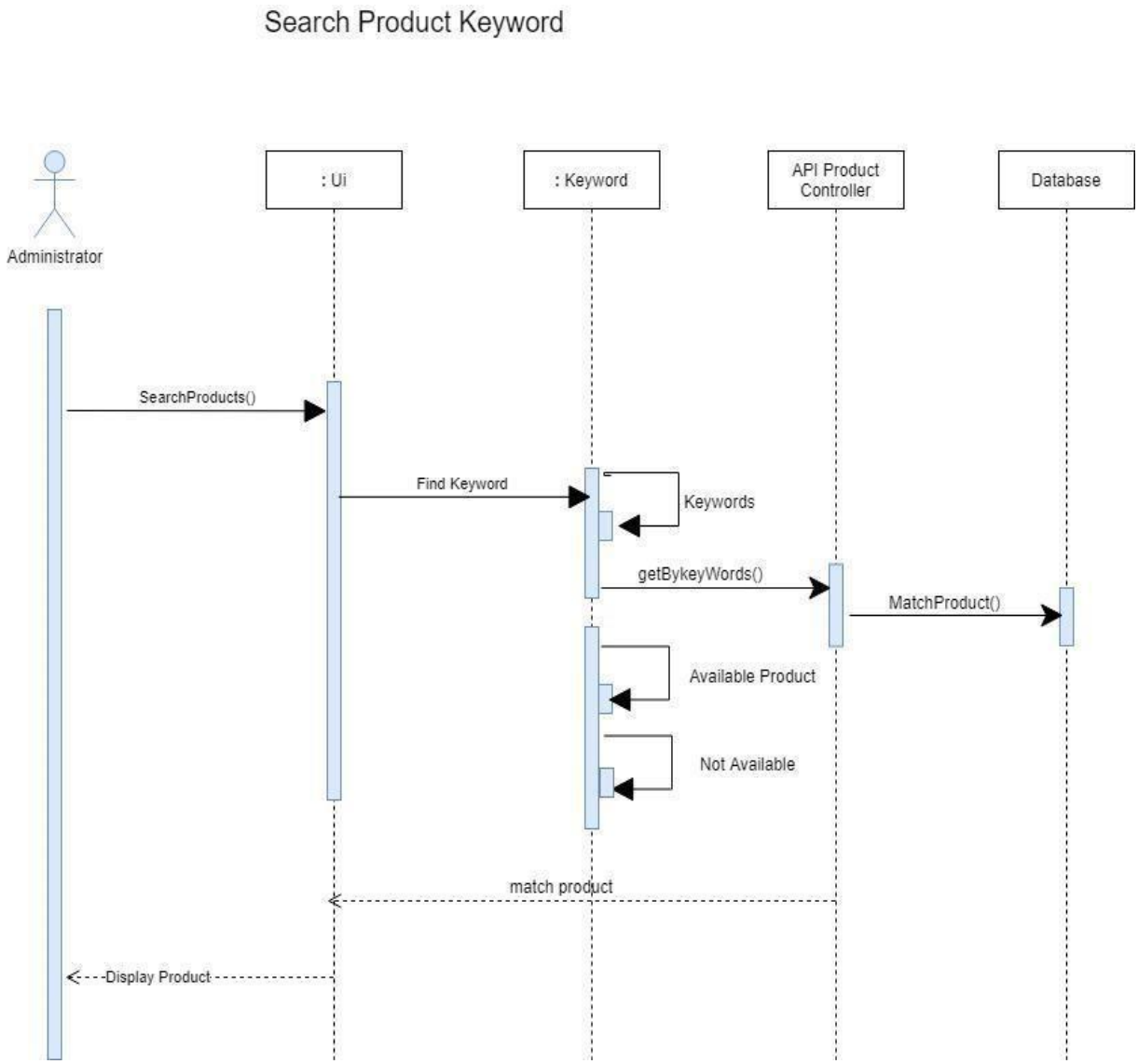
© Daffodil International University

SEARCH PRODUCT



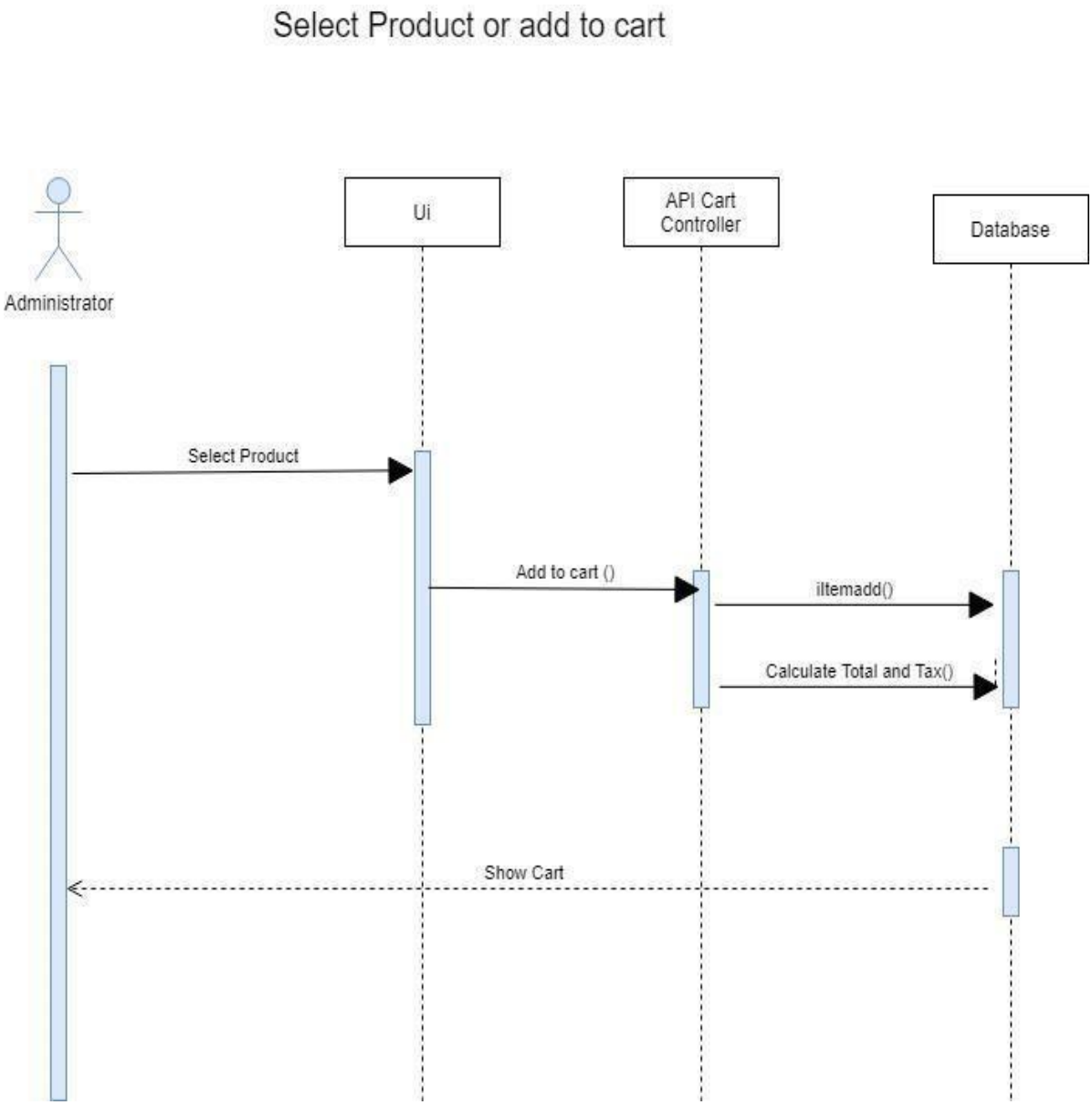
© Daffodil International University

SEARCH PRODUCT BY KEYWORD



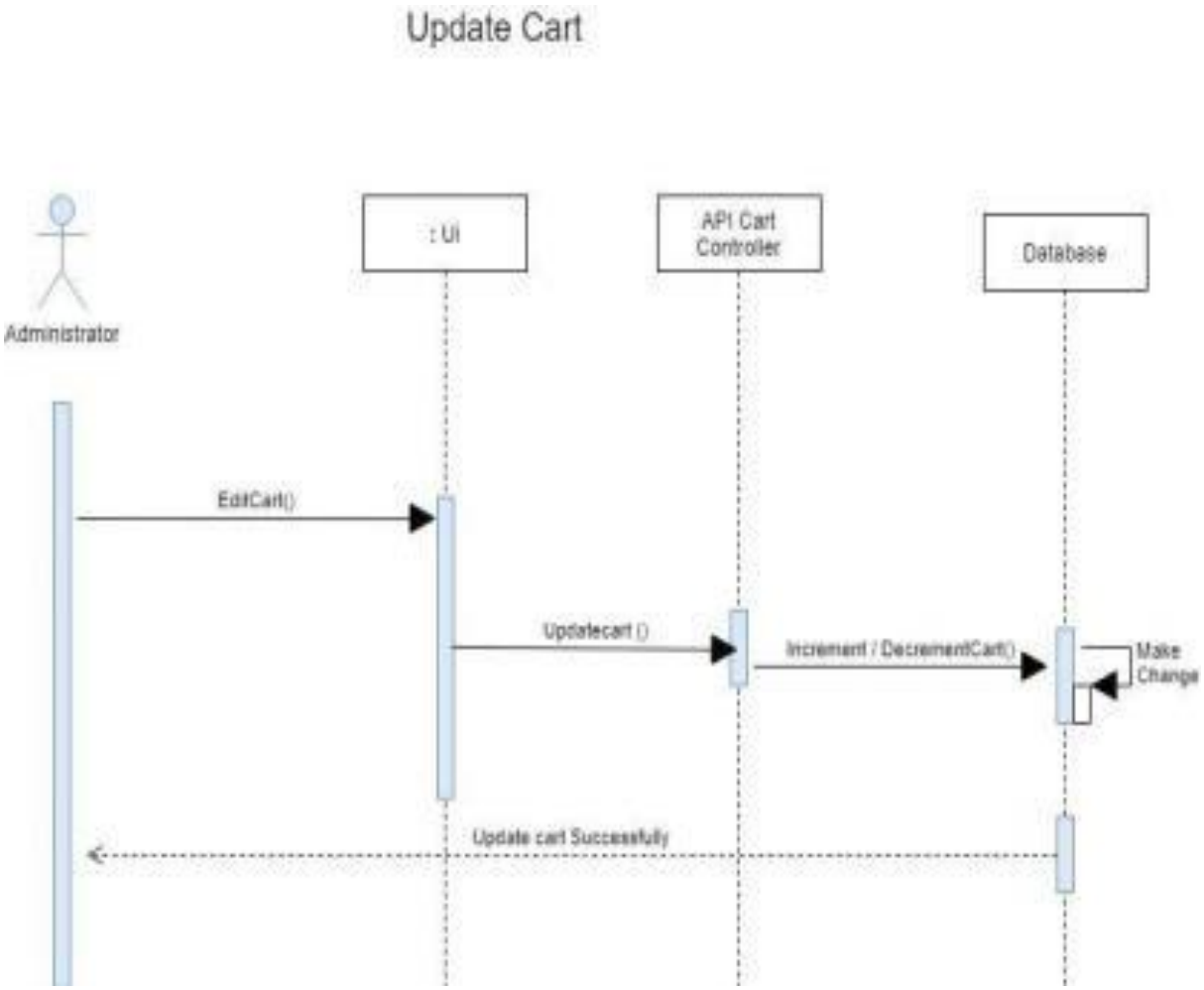
© Daffodil International University

VIEW PRODUCT & ADD TO CART



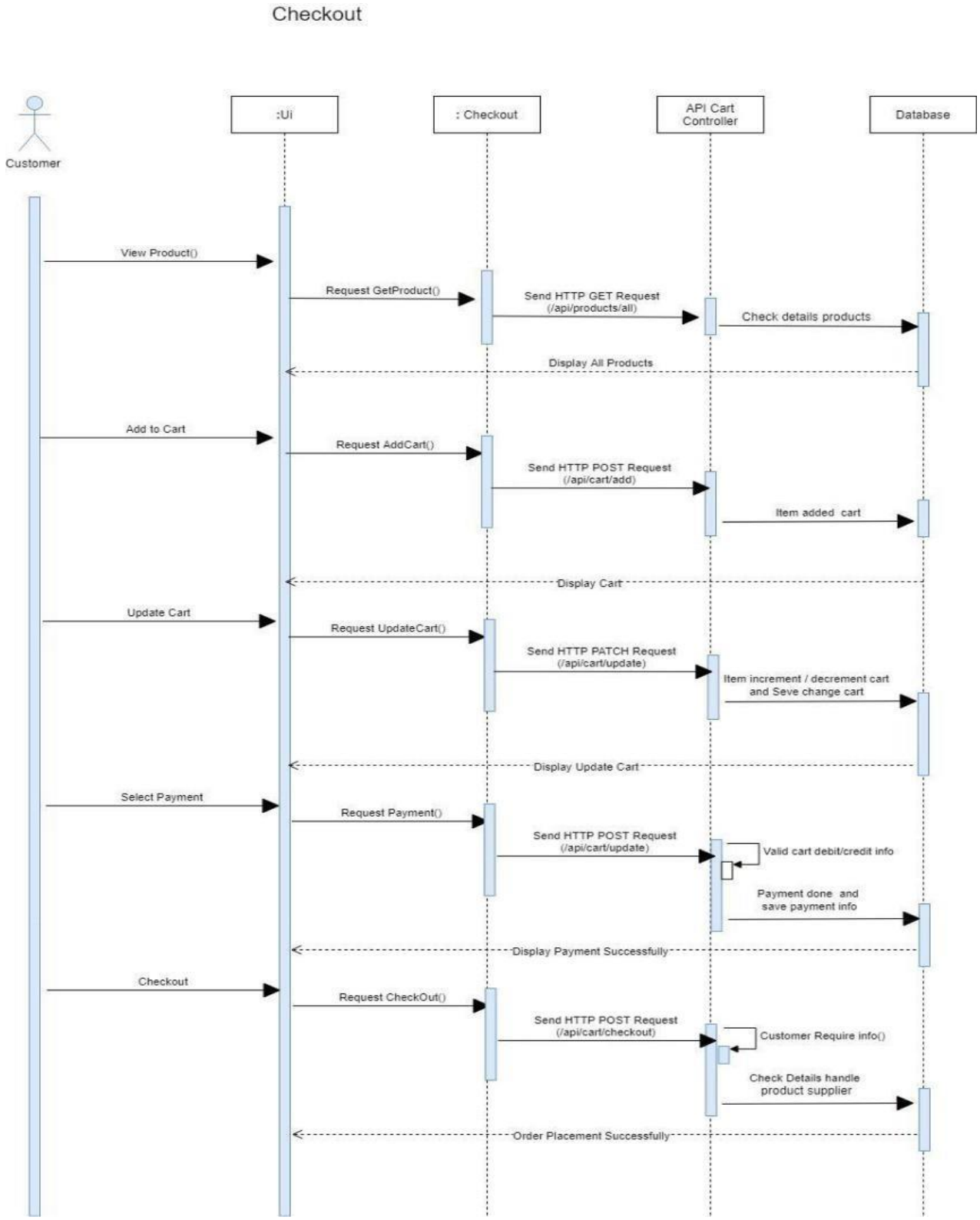
© Daffodil International University

UPDATE CART



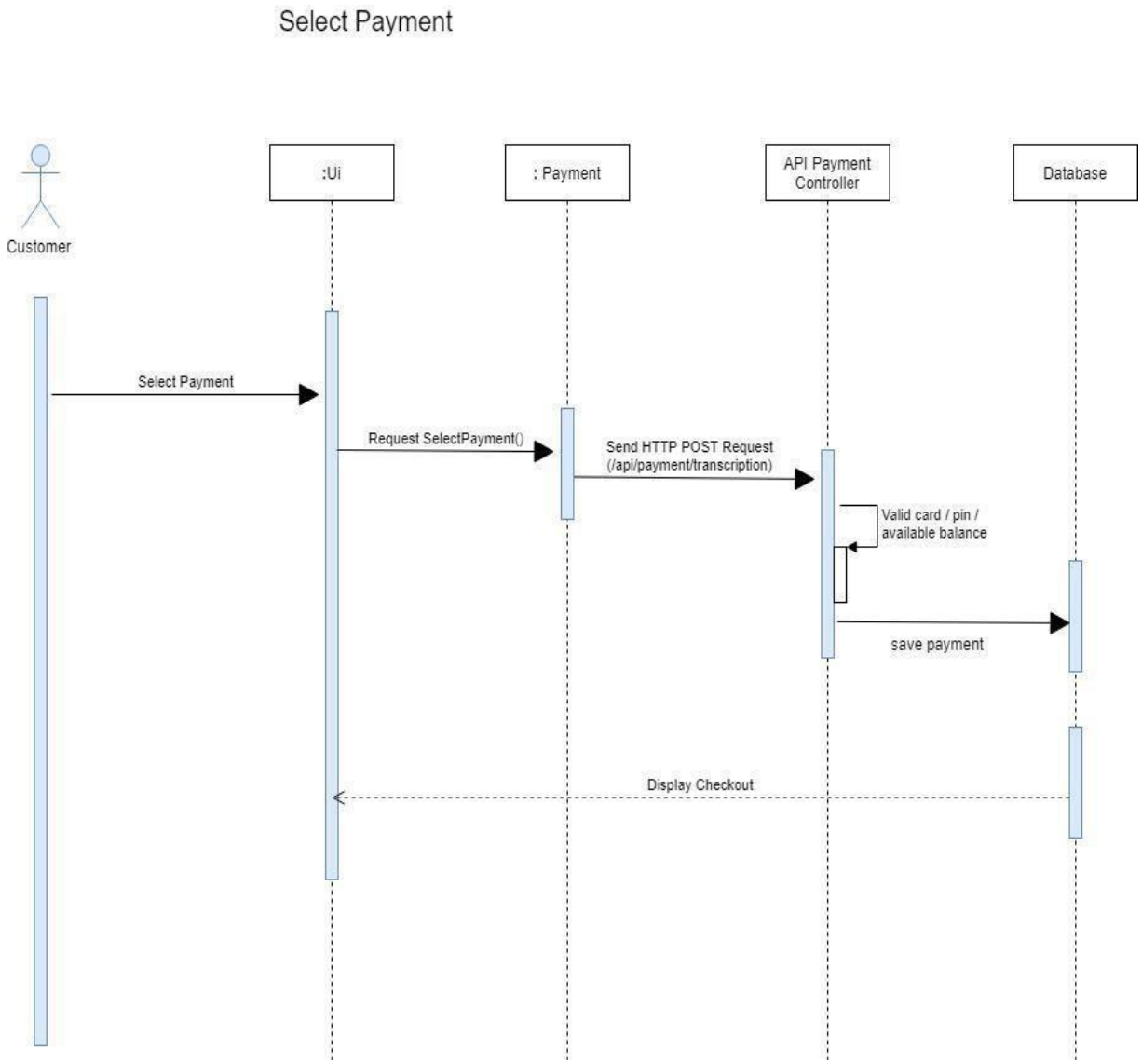
© Daffodil International University

CHECKOUT



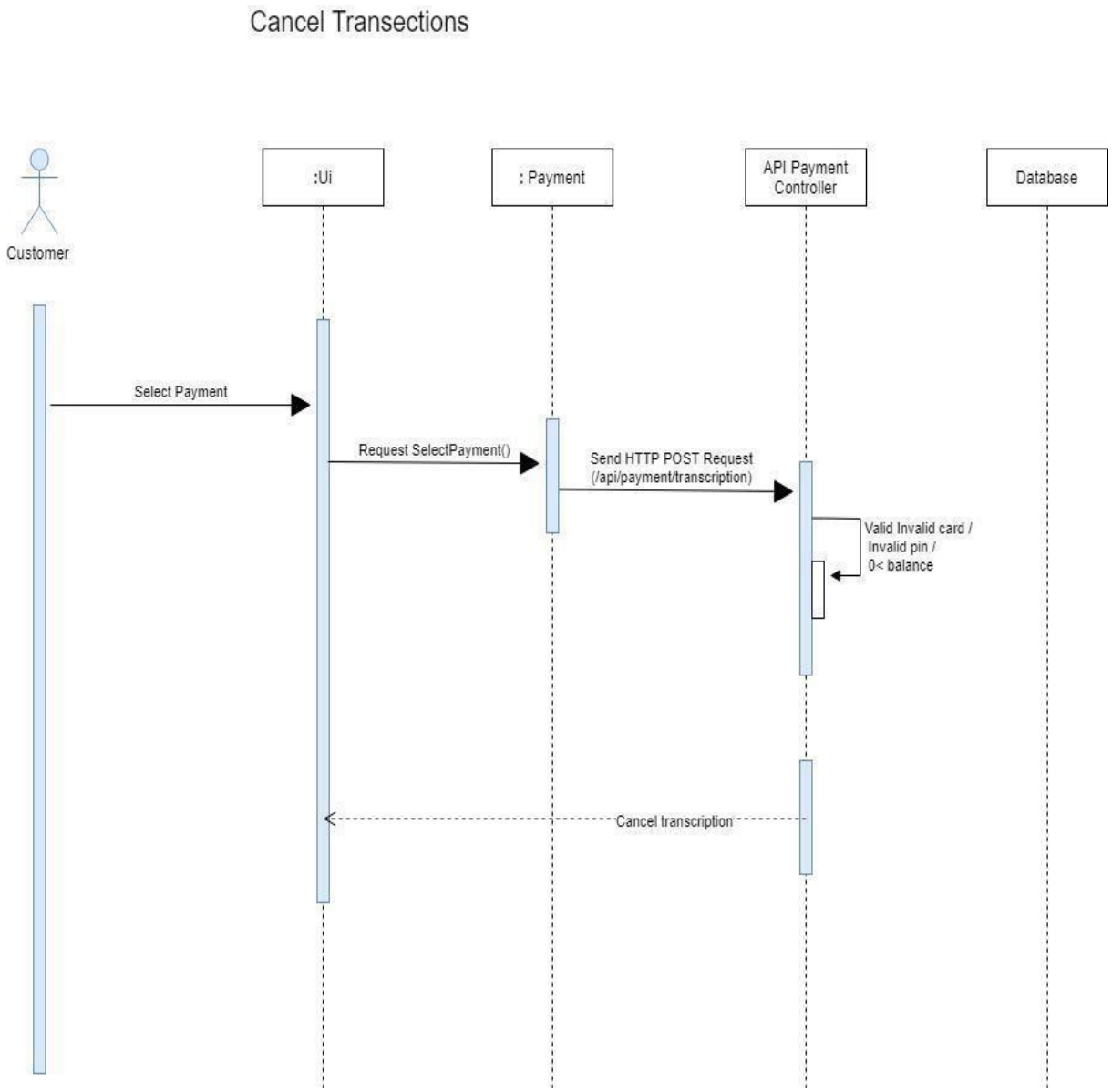
© Daffodil International University

SELECT PAYMENT



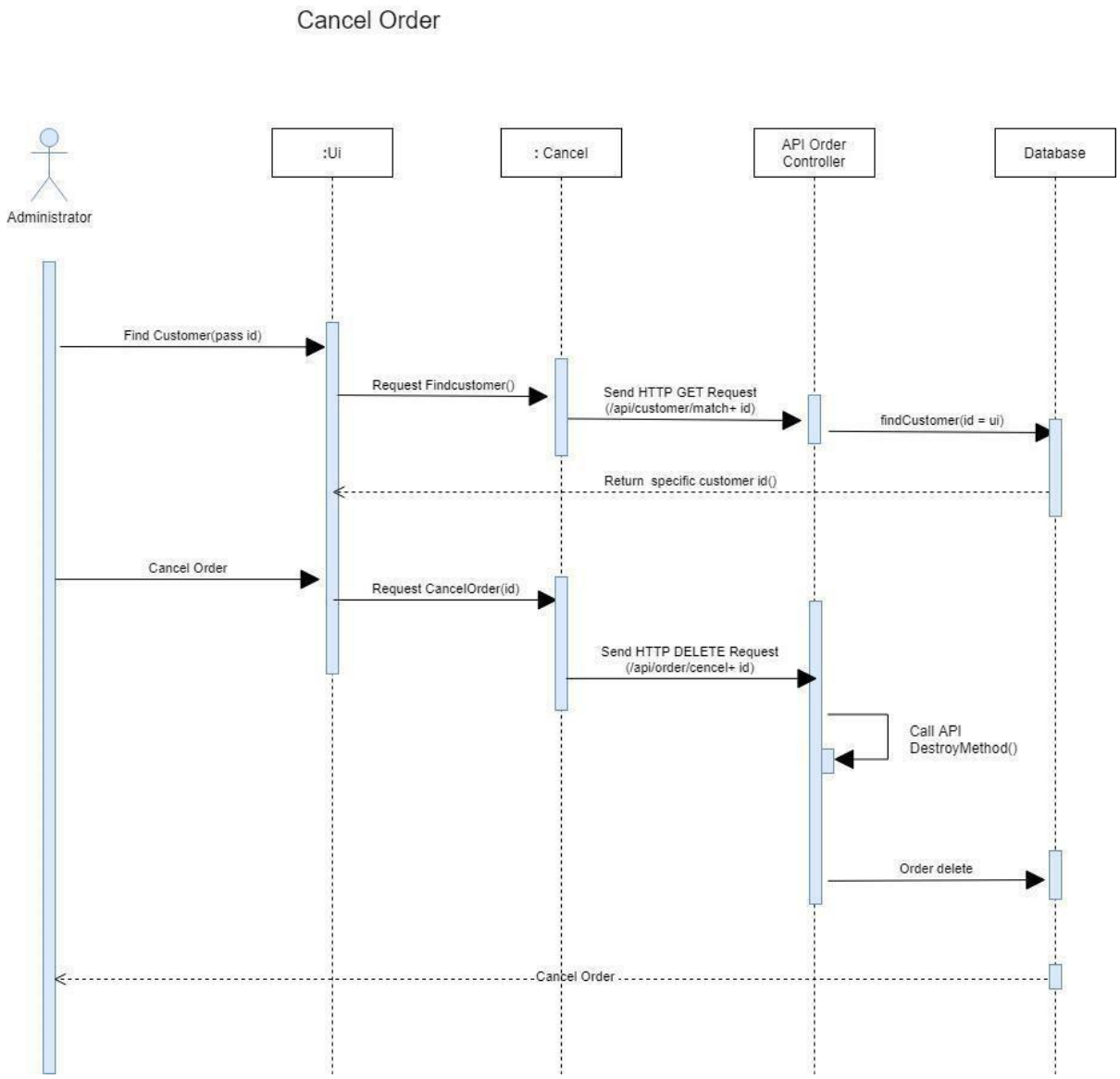
© Daffodil International University

CANCEL TRANSACTION



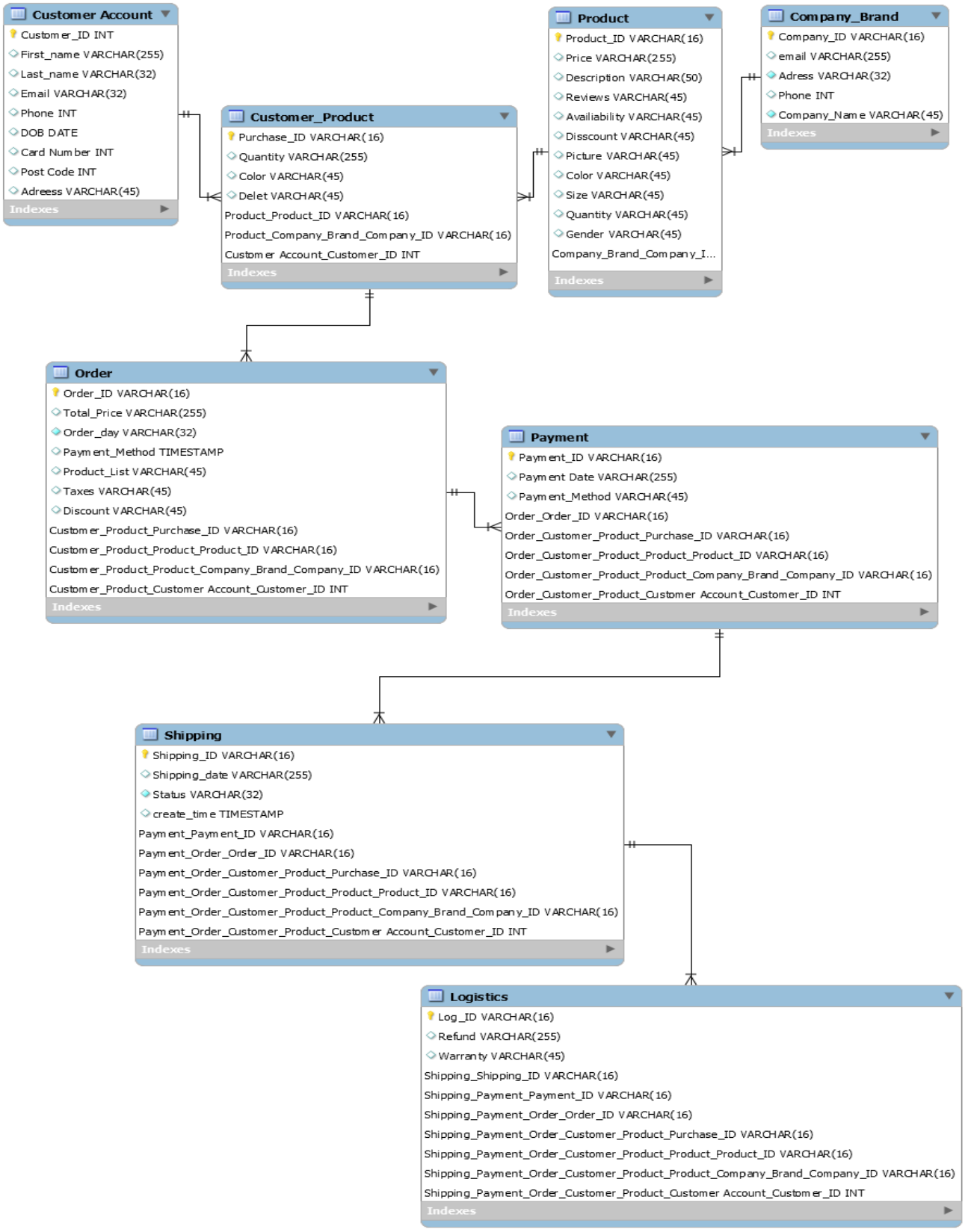
© Daffodil International University

CANCEL ORDER



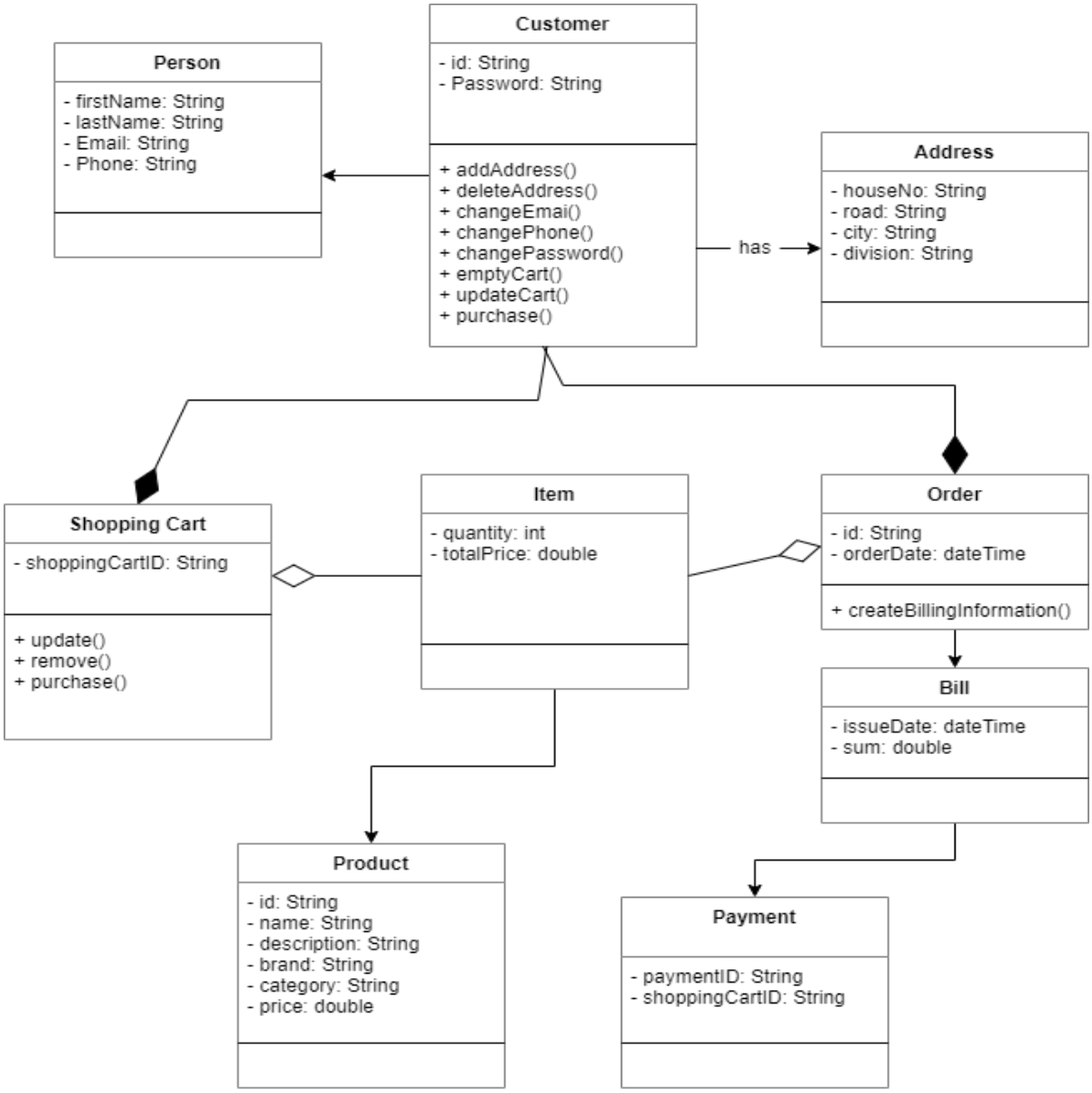
© Daffodil International University

4.2 ENTITY RELATIONSHIP (ER) DIAGRAM



© Daffodil International University

4.3 CLASS DIAGRAM



© Daffodil International University

4.4 TOOLS & TECHNOLOGY USED

USER INTERFACE

- HTML, HTML5
- CSS3, CSS
- Bootstraps-4
- JavaScript Font Awesome

BACKEND TOOLS

- React
- MySQL Database
- VS code, Sublime Text.
- Windows CMD, Git Bash, Terminal.

5. SYSTEM TESTING

5.1 INTRODUCTION

The process of testing involves executing software without assuming error detection. Our software must be error-free to work. Thorough testing eliminates all software bugs.

Common testing methods include white box and disclosure. Functional testing is another meaning of "black box testing". Data, functionality, and results are our only testing priorities. Black box testing was used for this project.

© Daffodil International University

BLACK BOX TESTING

As a subset of software testing, "black box" testing takes a detailed look at how an app works. It is often called testing based on subtleties. Typically, a free testing package is used to do this type of testing, during the software testing life cycle.

TESTING PRINCIPLE

In order for Untouchable to do software testing, all tests must meet the client's requirements. Extensive testing is ridiculous. Considering the application's wager evaluation, we sincerely desire the most rigorous testing available. It is important to prepare for any exam that requires facilitation before it is given. Eighty percent of software faults come from twenty percent of components, according to the 80/20 rule. You should begin by testing smaller components before moving on to larger ones.

5.2 TESTING FEATURES

Software components improve system functionality by adding or changing functionality. Each component will receive a relevant, normal, and trusted brand name.

5.2.1 EVALUATION FEATURE

The "Features to be Tested" section lists system or subsystem features to be tested. User acceptance testing (UAT) is known for prioritizing relationship enhancement over functionality. This position is crucial since system testing should have

© Daffodil International University

determined its functionality. The business operations, conditions, and functionality tested in each system and sub-system must be extensively examined. Because these variables benefit the alliance.

5.2.2 UNTESTED FEATURES

In "Features Not to be Tested," list system or subsystem features not tested. This is to avoid misunderstandings if a partner gets tested and gets a false positive.

5.3 TEST APPROACH

How to manage the software testing life cycle (STLC) is shown in a test strategy. This document guides the QA social event to exhibit testing and its extension.
Additionally, it ensures testers have an accurate project image. A good test strategy makes missing a test activity practically difficult.

5.3.1 TEST PROCEDURE

The project's test strategy implementation displays testing. Two methods are utilized in testing:

1. Proactive This strategy comprises initiating the test setup procedure whenever conditions allow to detect and fix building issues.

2) Reactive: This theory holds that testing shouldn't begin until the plan and code are complete.

© Daffodil International University

5.3.2 SUCCESS/FAILURE MEASURES

Before continuing on, complete each trial period's conditions. The following projects pass and fail terribly.

- If the scenario meets the typical result standards, it passes; otherwise, it should be dropped.
- The bomb case has been tested numerous times and performed perfectly at one but failed at the others.
- Any system failure will prompt a bomb threat.
- A bomb case will be considered if a regular page does not display when a request is submitted through the system, which is highly unlikely.

© Daffodil International University

5.4 TEST CASES

5.4.1 TEST CASE-1: REGISTRATION

Test case ID: ATCI	Test Design by Fahad Bin Mostofa
Test priority: High Module Name: Registration Description: This segment covers the Functionality of enlistment new users	**Test Design date: 10-04-24** **Test Execute by Fahad Bin Mostofa** **Text Execute date: 18-04-24**

Precondition: User requires no precondition

Dependencies: Input necessary information

Step	Test case	Test data	Expected Result	P/F	Actual Result
01	Entre empty value for required field	N/A	Display error massage "Enter valid Number"	Pass	Display error massage
02	Enter non-numeric value in phone number field	wsdfghj	Display error massage "Enter valid Number"	Pass	Display error Massage "Enter Valid Number"
03	Enter different Email format instead of xxxx@xxx.xx	check@gmail.again@gmail.com	Display error massage "Invalid Email Address"	Pass	Display error Massage "Invalid Email Address"
04	Enter Existing Email	fahad@gmail.com	Display error massage "Email Already Exist"	Pass	Display massage "Email already Exist"
05	New user Registration	N/A	Display Massage "Submitted Successfully"	Pass	Display massage "Submitted Successfully"

© Daffodil International University

5.4.2 TEST CASE- 2: USER LOGIN

Test Case ID: ATCI	Test Design by Fahad Bin Mostofa
Test Priority: High Module Name: Login Description: this part covers the functionality of login registers users.	**Test Design Date: 19-04-24** **Test design by Fahad Bin Mostofa** **Text Execute date: 24-04-24**

Precondition: User need no precondition

Dependencies: Enter input necessary information

Step	Test case	Test data	Expected Result	P/F	Actual Result
01	Entre empty value for User name and password	N/A	Display error massage "Please enter name and password"	Pass	Display error massage
02	Enter correct value for User name and password	Fahad, 12345	Accepted	Pass	Accepted
03	Enter incorrect value for User name and password	Ghik, 8569	User name and password doesn't match	Pass	User name and password doesn't match
04	After giving input click "submit" button	N/A	Directed to "Admin/User Dashboard"	Pass	Directed to "Admin / User Dashboard"

© Daffodil International University

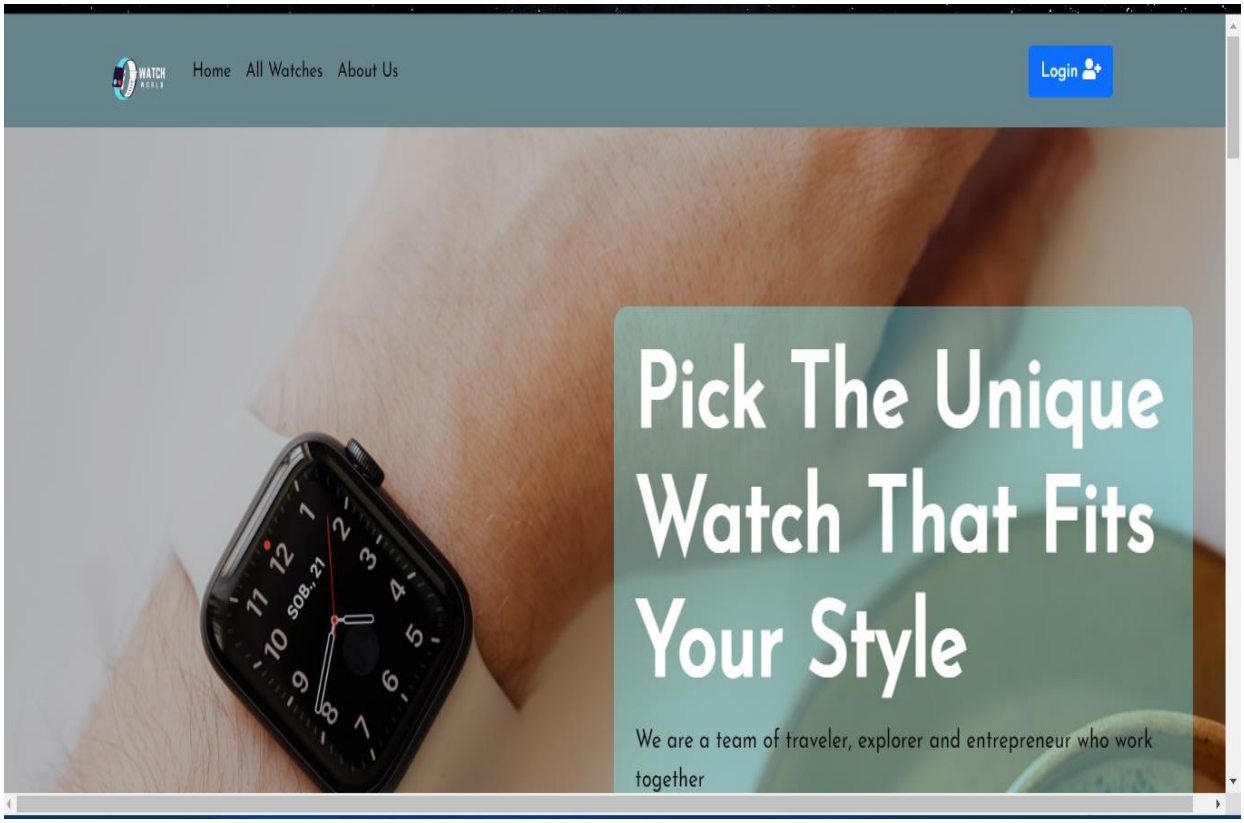
5.5 TESTING ENVIRONMENT

Assembling a testing environment comprises supplying the required software and hardware to enable test coordinators to execute test cases as required. Network processes should run test programs in addition to using hardware and software.

1. Browser: -Google Chrome.
2. Laptop with CoreI5, 8 GB RAM, 120 GB SSD, 1TB HDD.

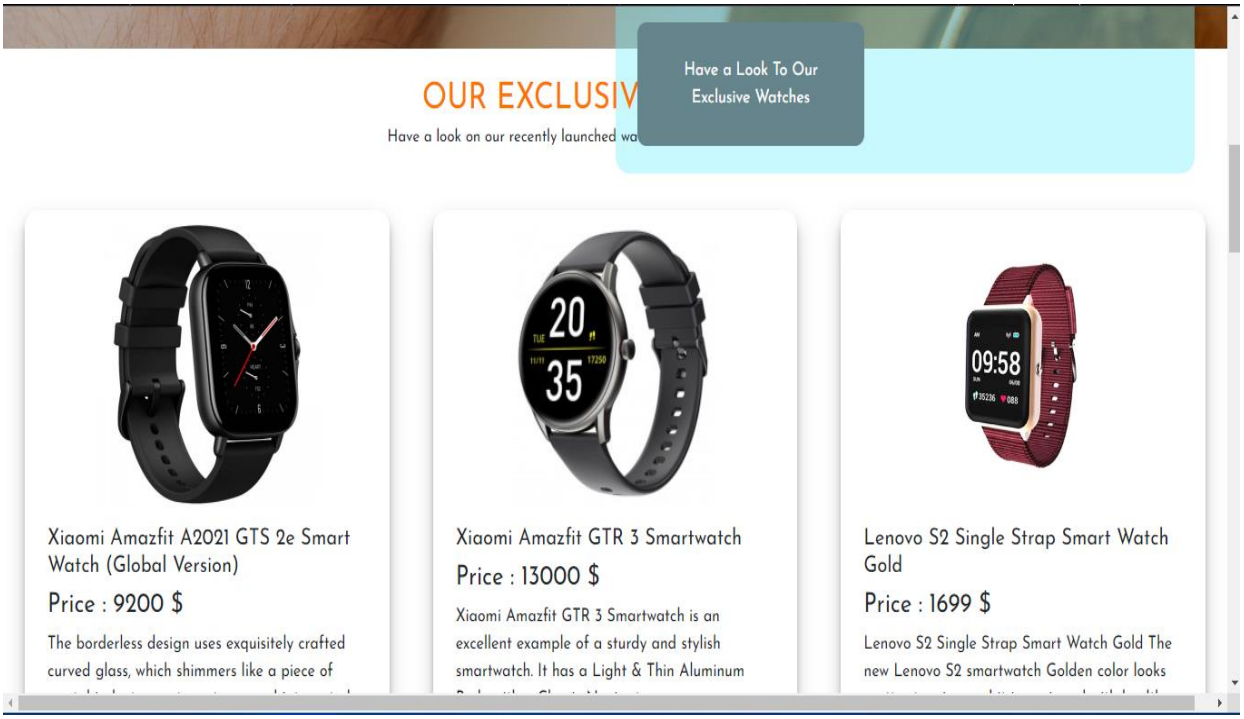
6. USER INTERFACE (UI)

HOME PAGE WITHOUT LOGIN -1

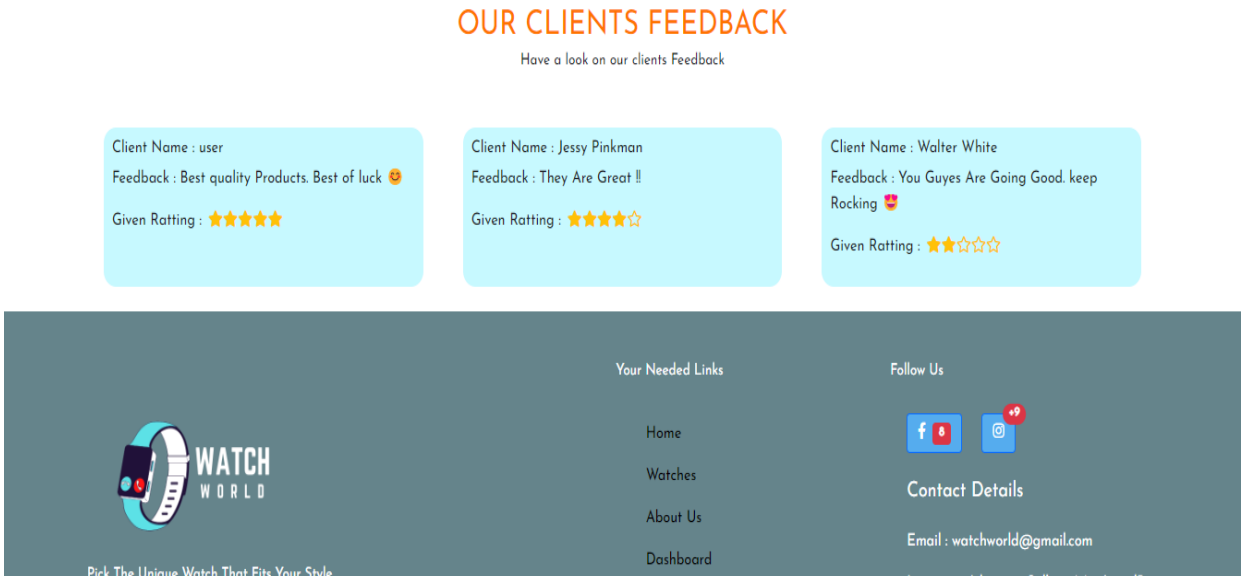


© Daffodil International University

HOME PAGE WITHOUT LOGIN -2

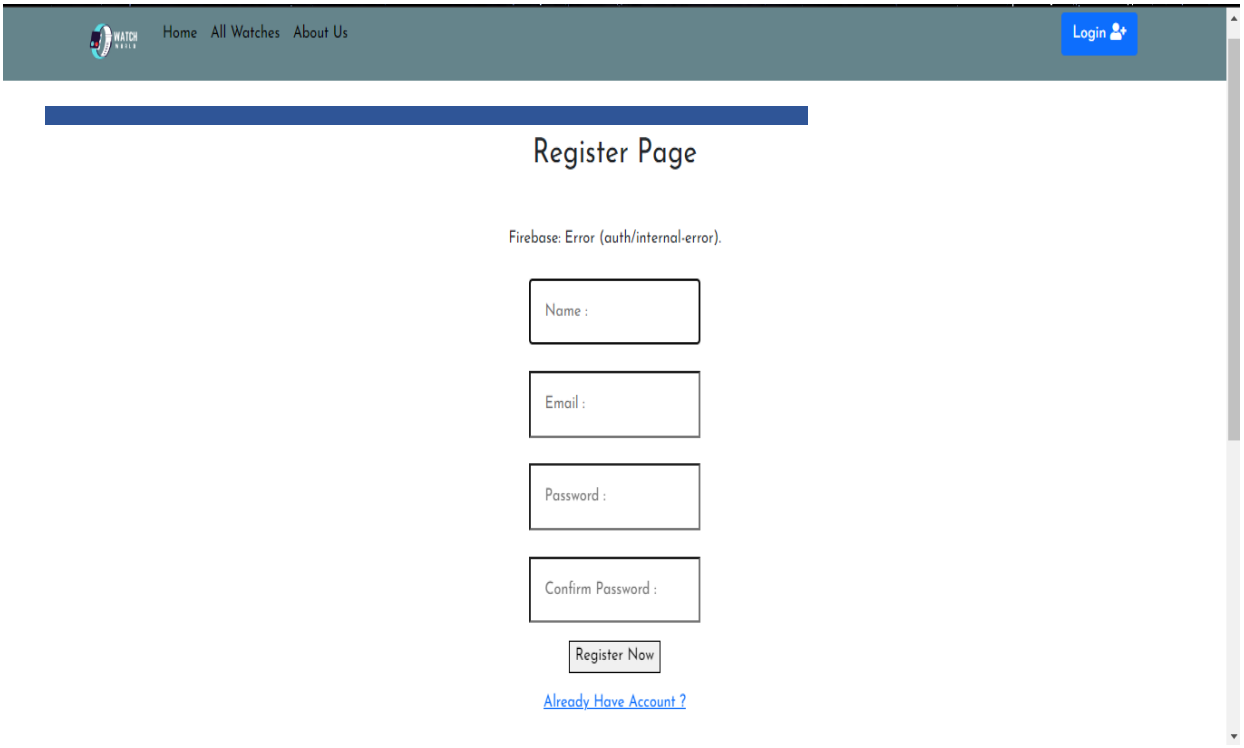


HOME PAGE WITHOUT LOGIN -3

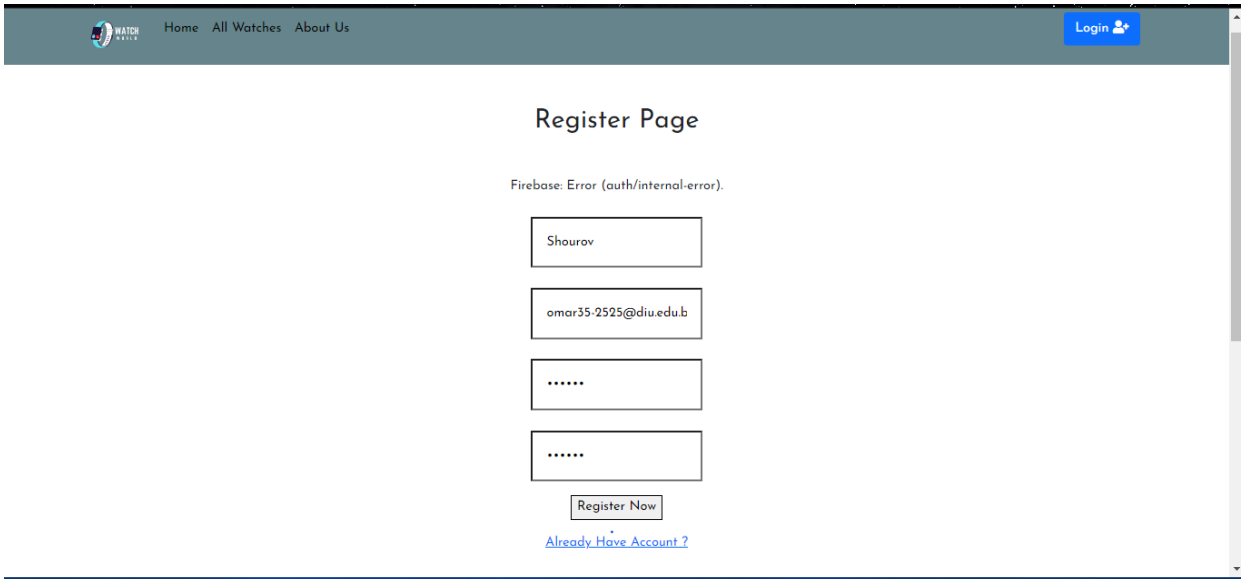


© Daffodil International University

REGISTRATION PAGE

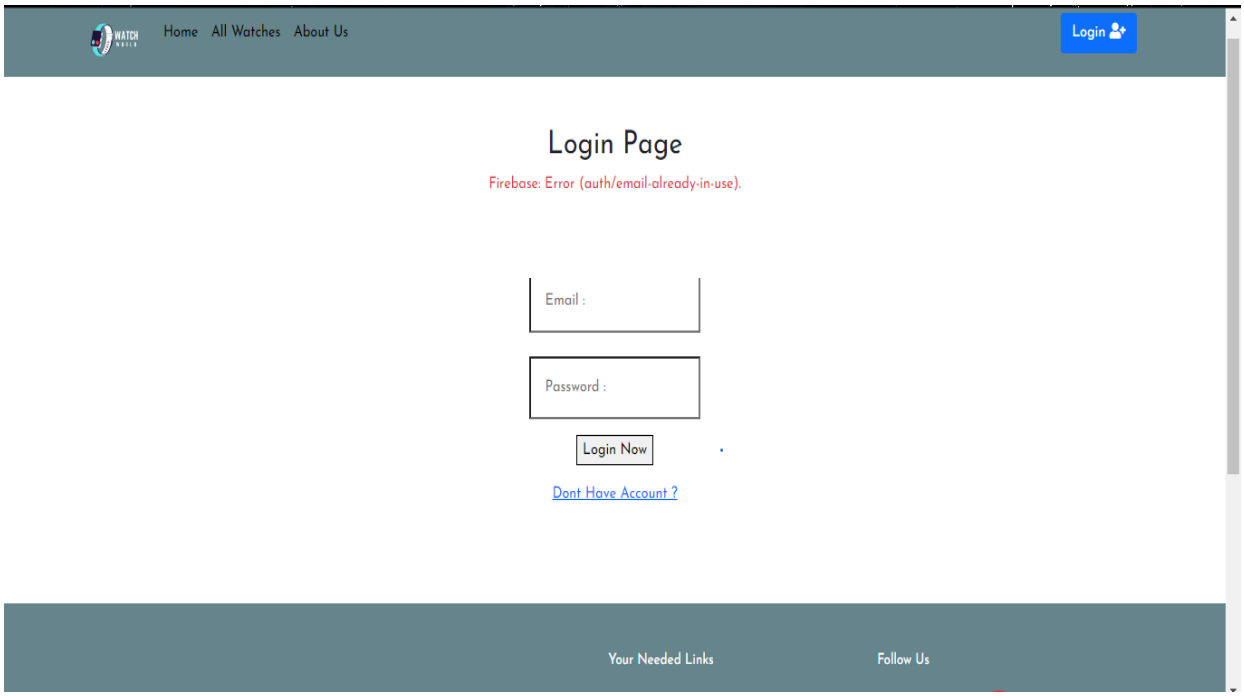


FILLING UP REGISTRATION PAGE

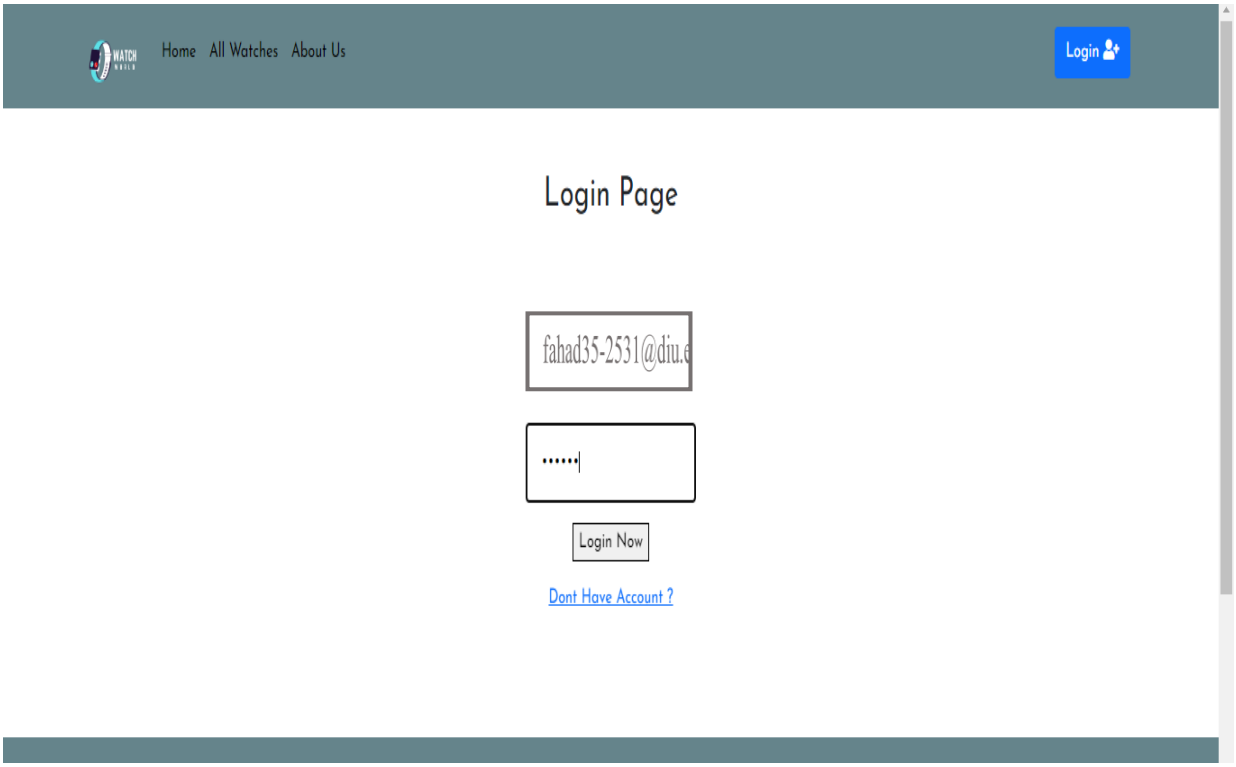


© Daffodil International University

LOGIN PAGE

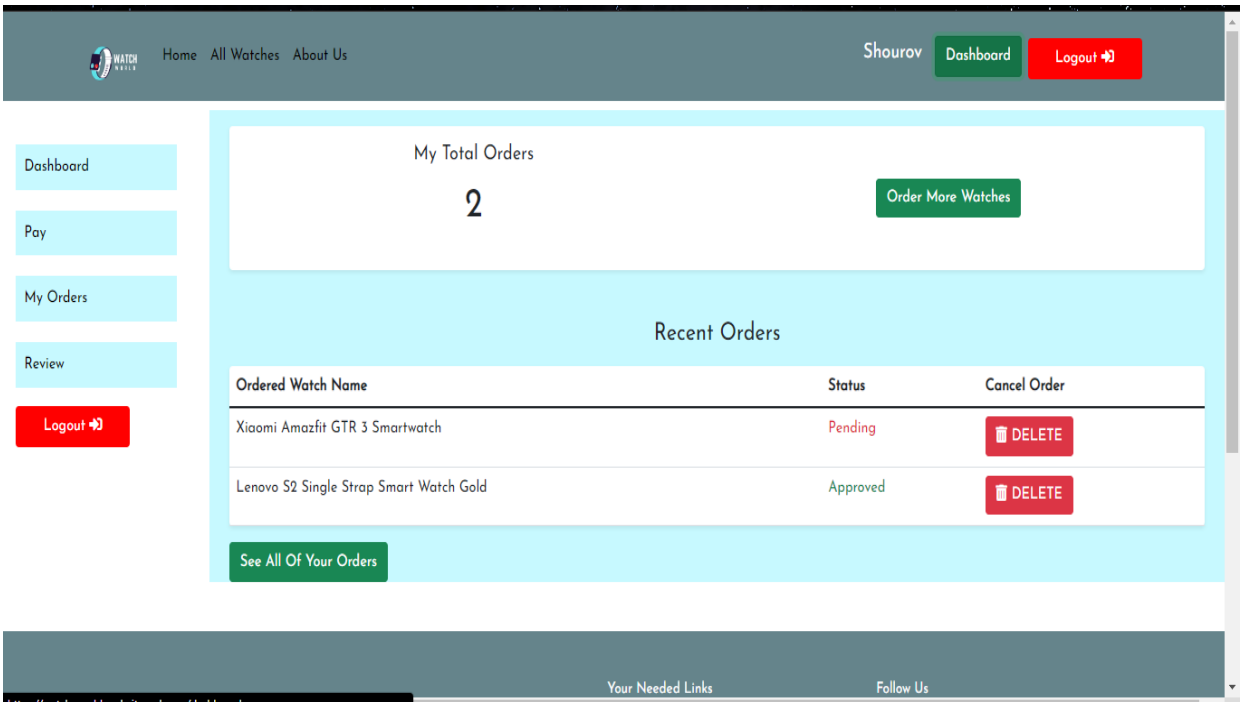


LOGIN PAGE – USER FILLUP

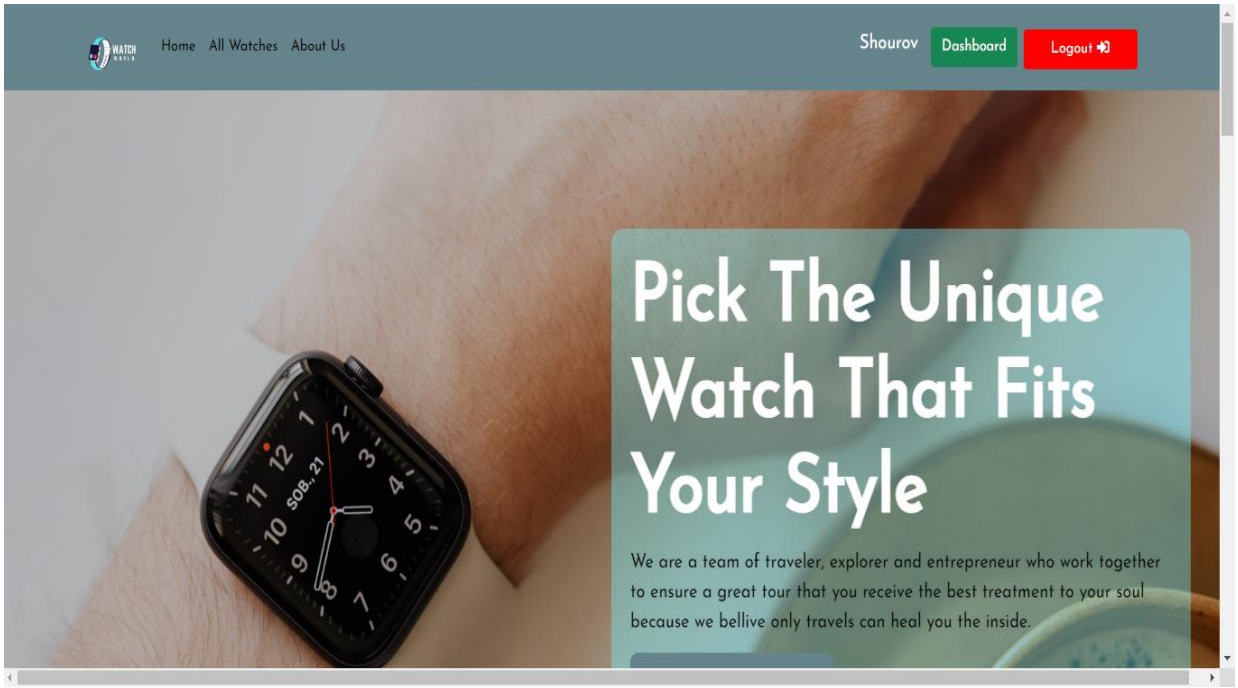


© Daffodil International University

DASHBOARD - USER

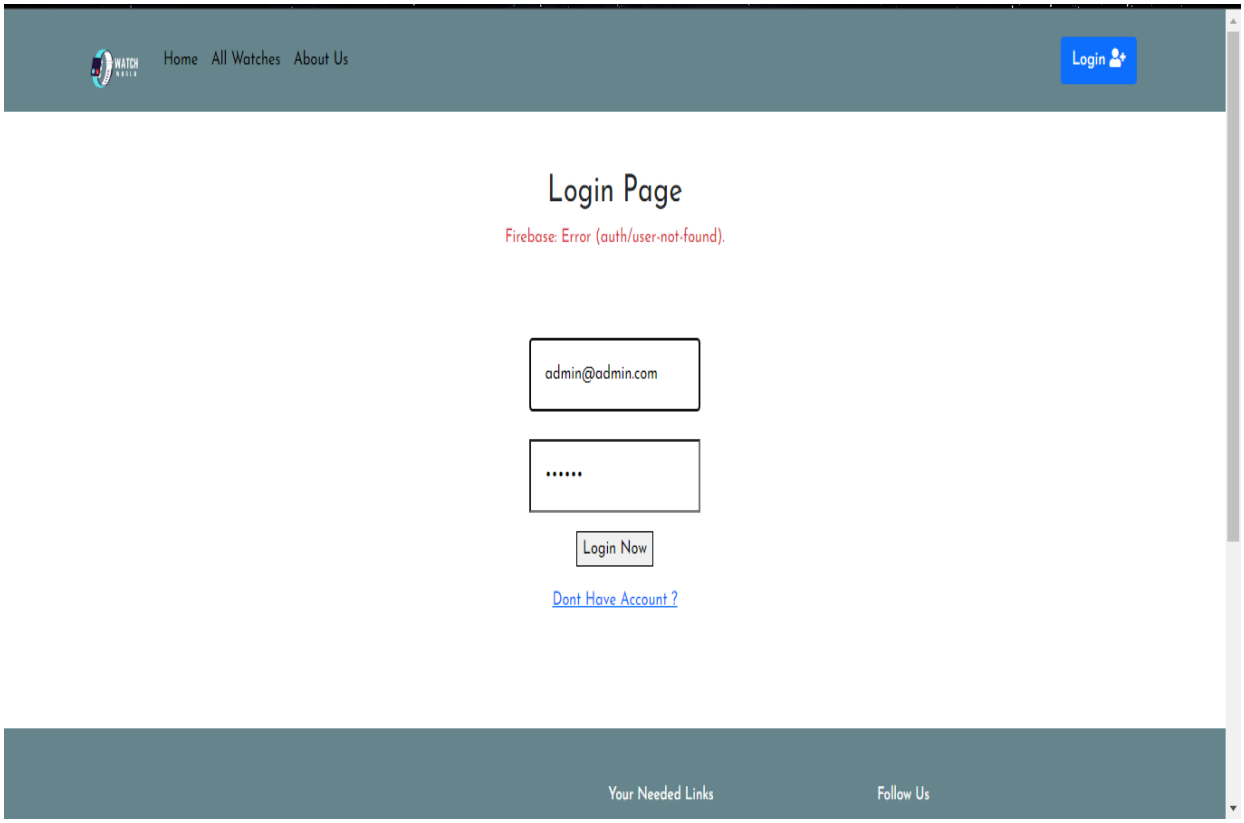


HOMEPAGE - USER

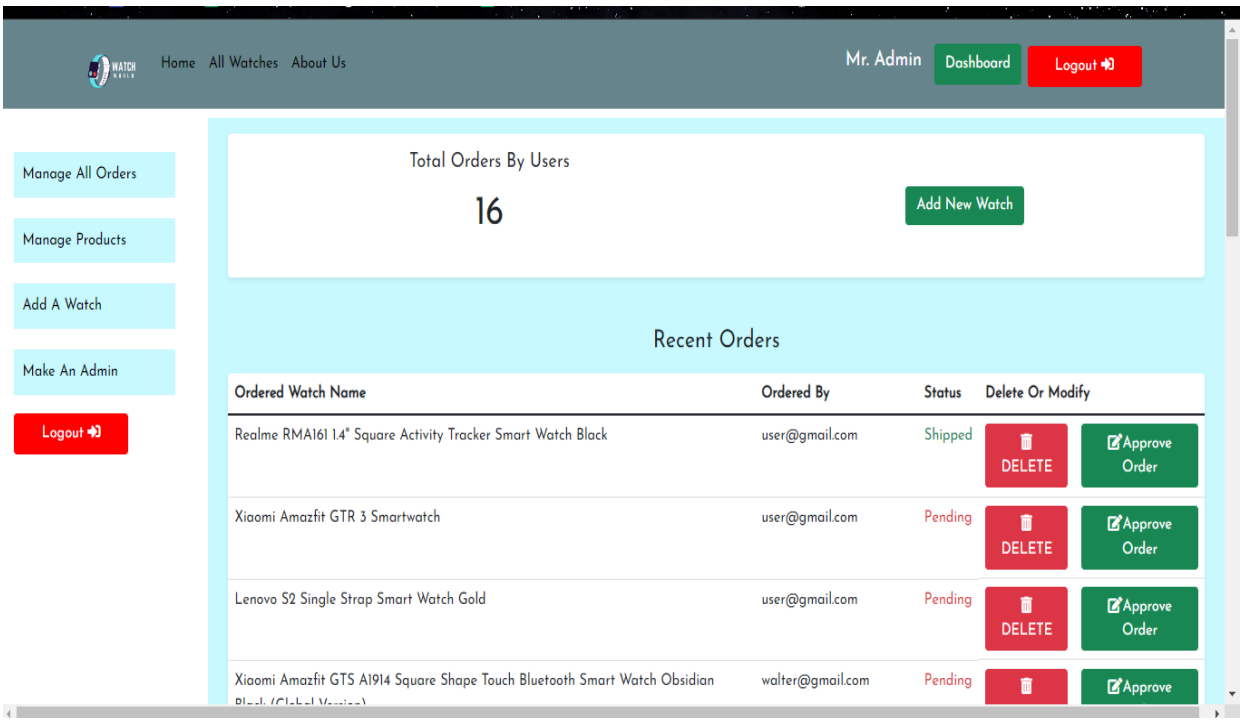


© Daffodil International University

LOGIN PAGE – ADMIN FILL UP

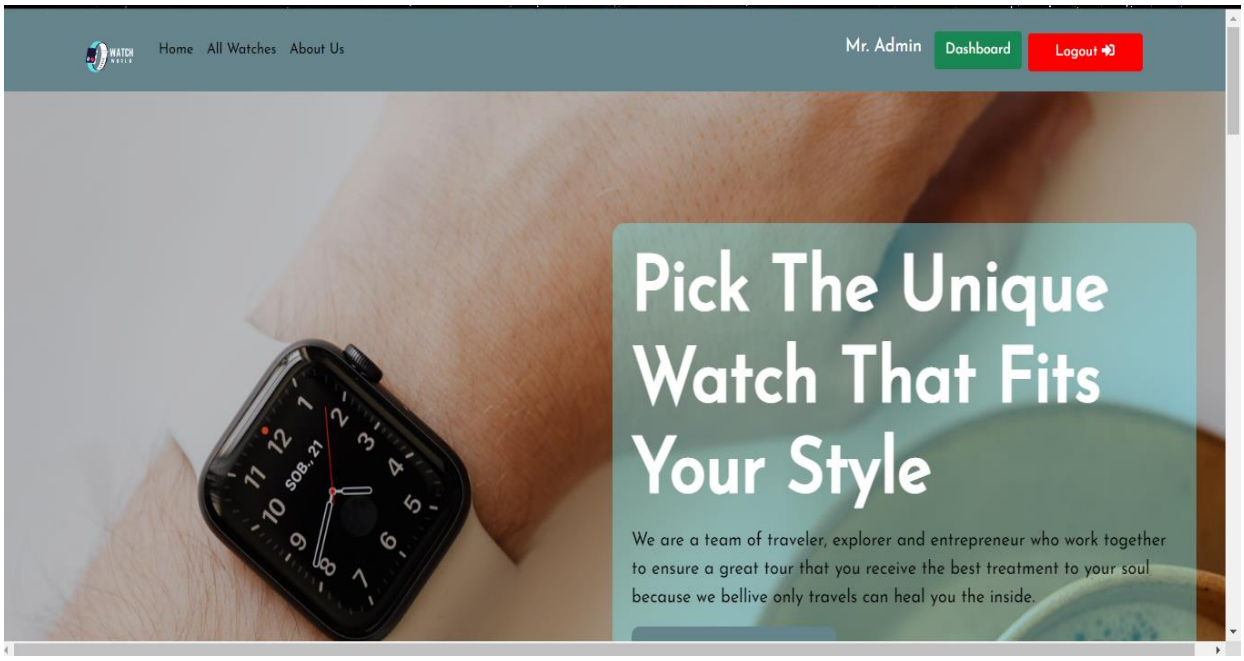


DASHBOARD - ADMIN

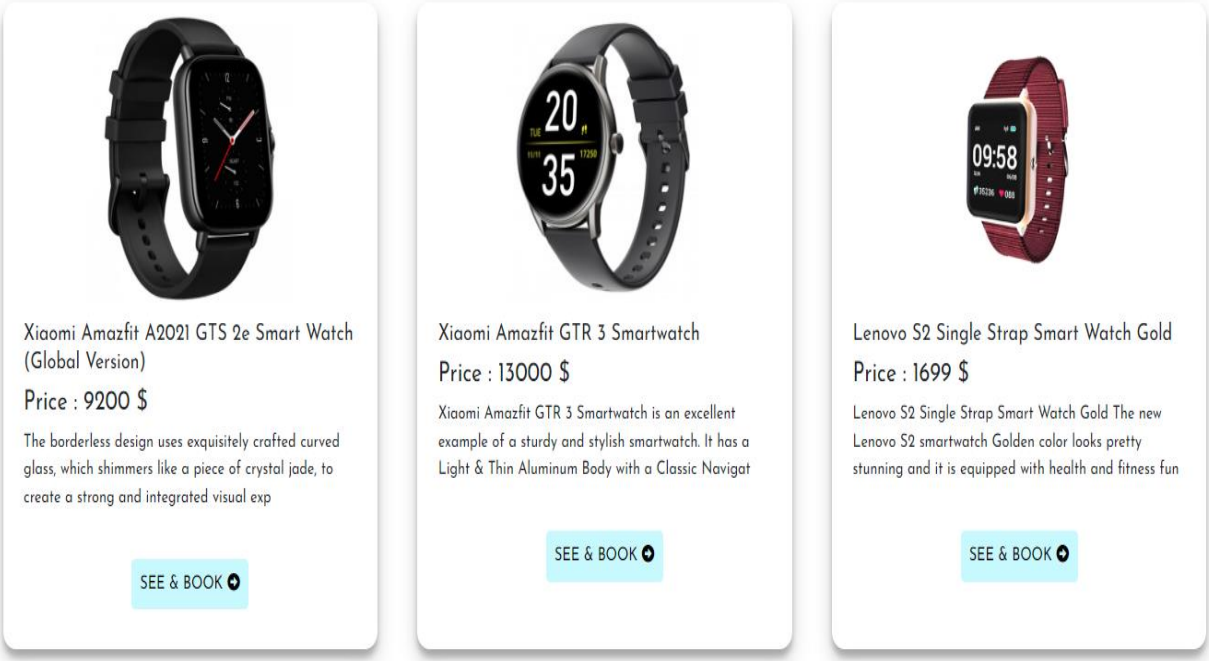


© Daffodil International University

HOME PAGE - ADMIN

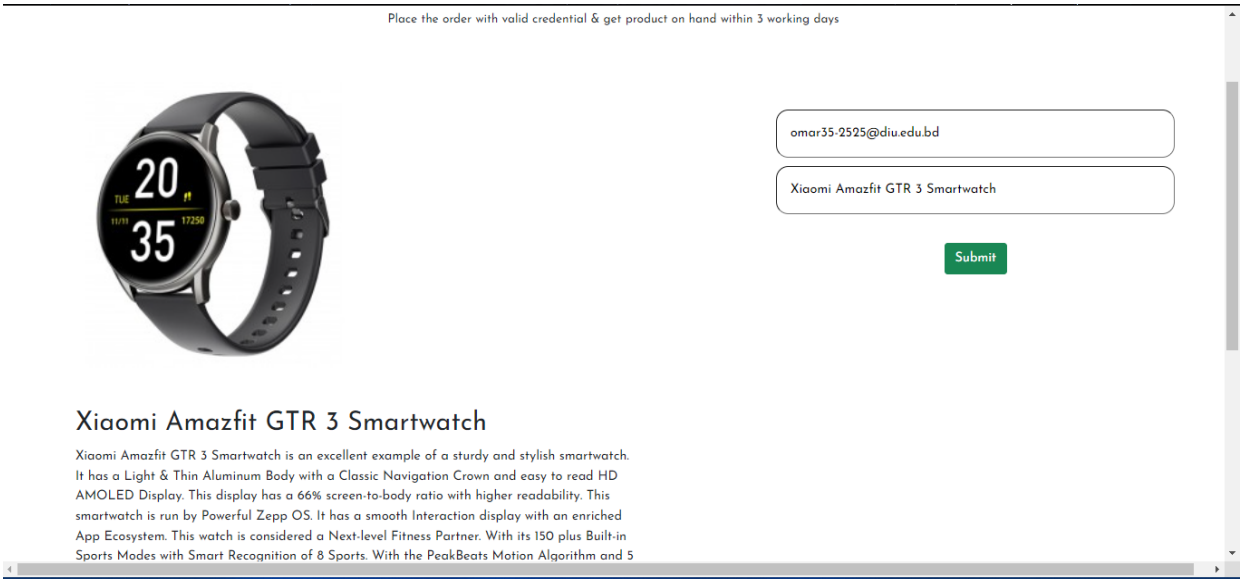


SEARCH & VIEW WATCH

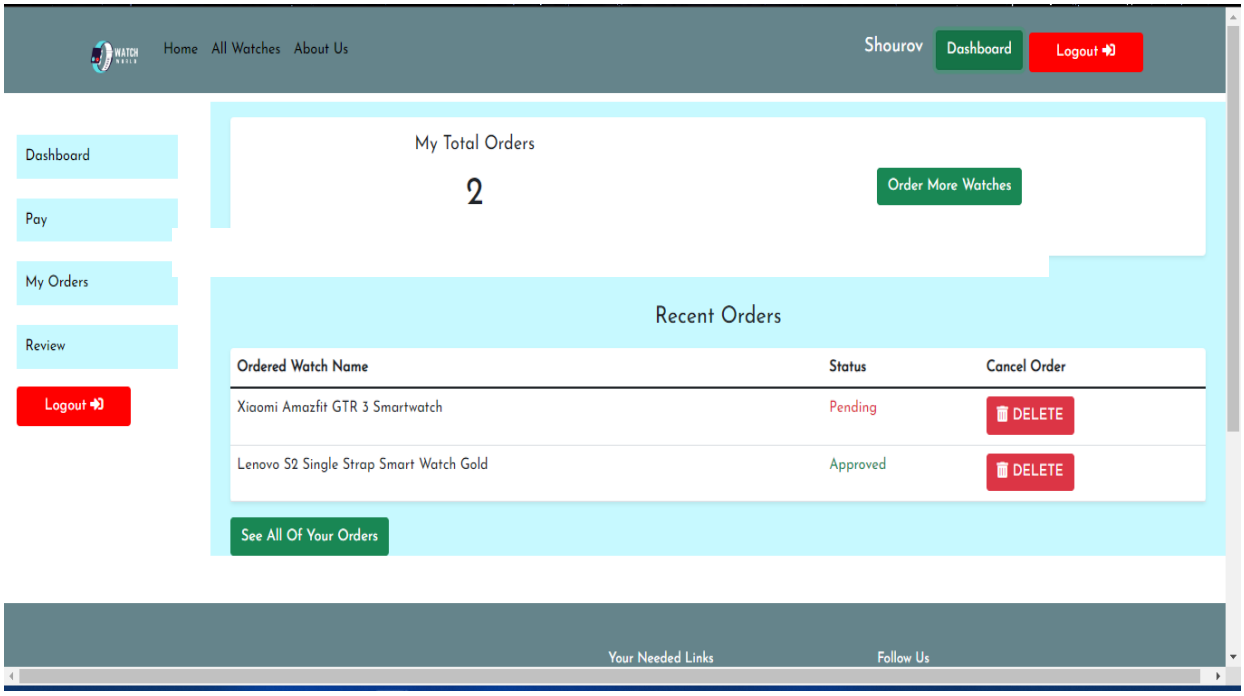


© Daffodil International University

BOOK A WATCH / ADD TO CART (USER)

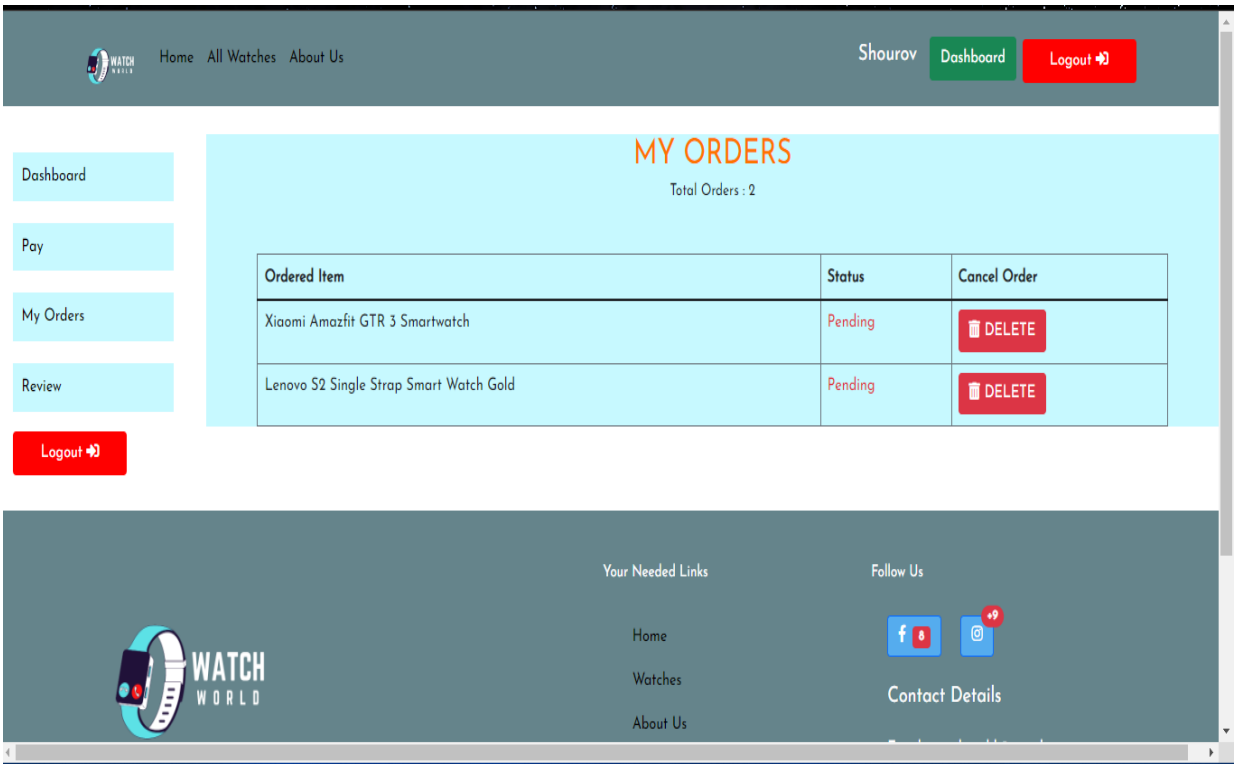


ORDER LIST – RECENT (USER)

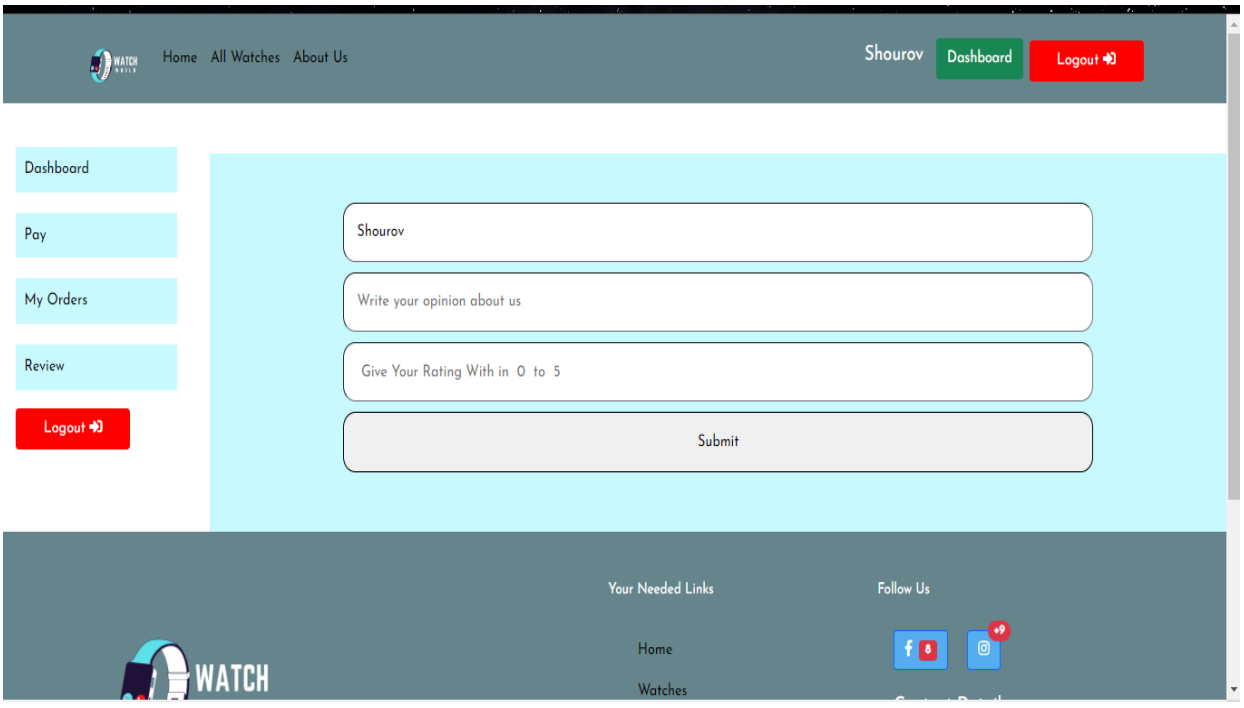


© Daffodil International University

ORDER HISTORY (USER)

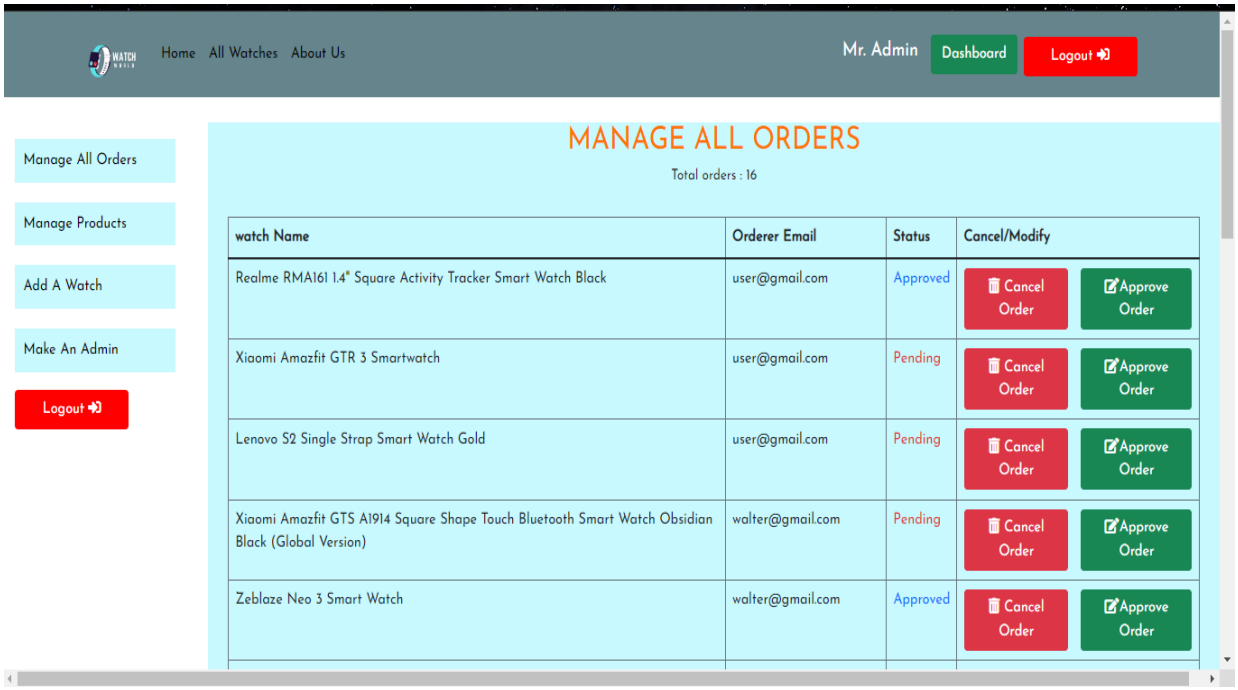


REVIEW (USER)

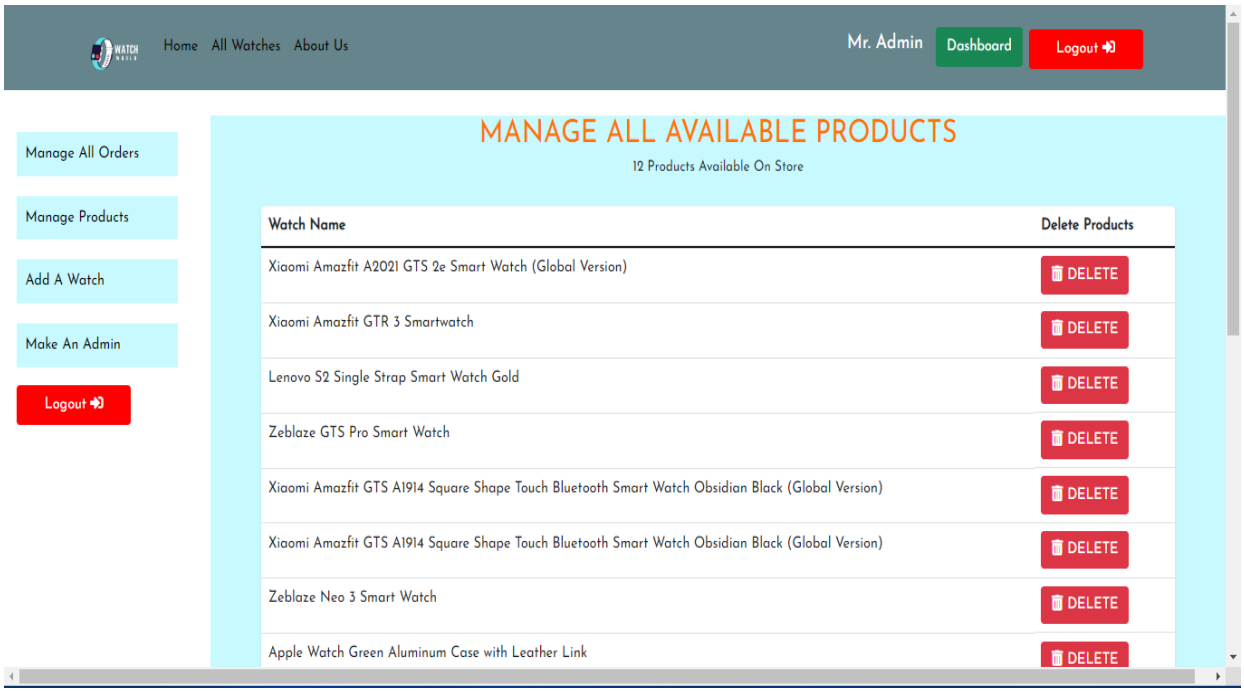


© Daffodil International University

MANAGE ORDERS (ADMIN)

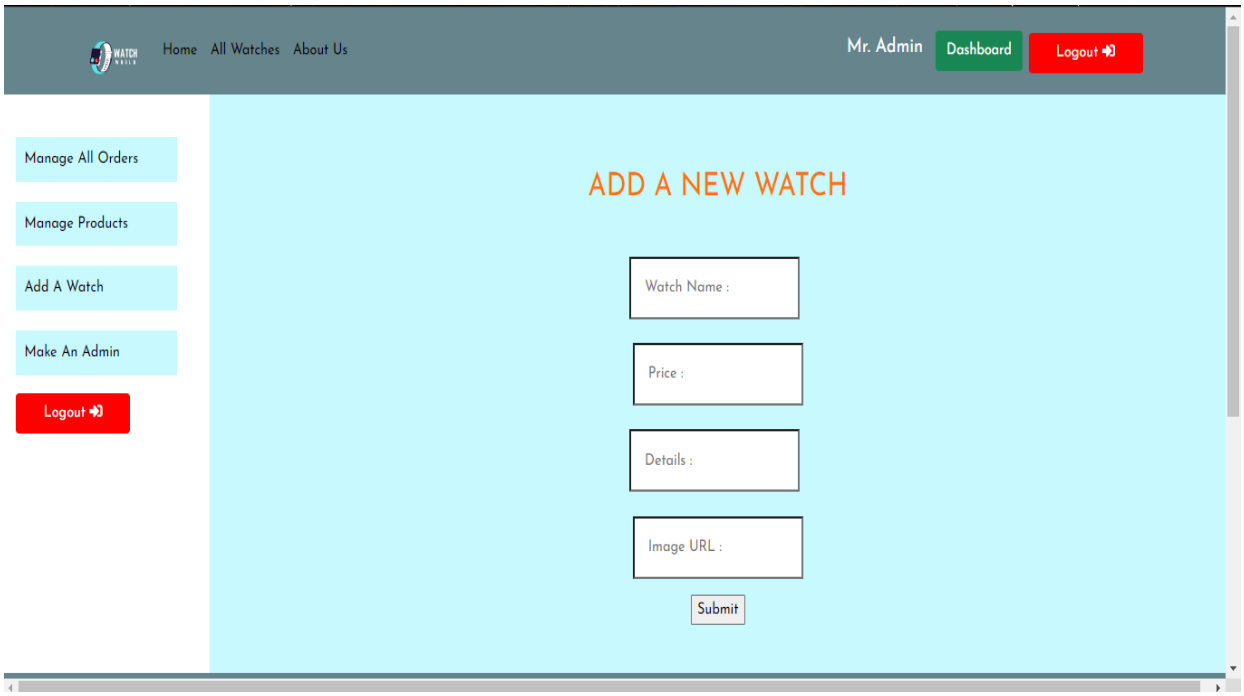


MANAGE WATCHES (ADMIN)

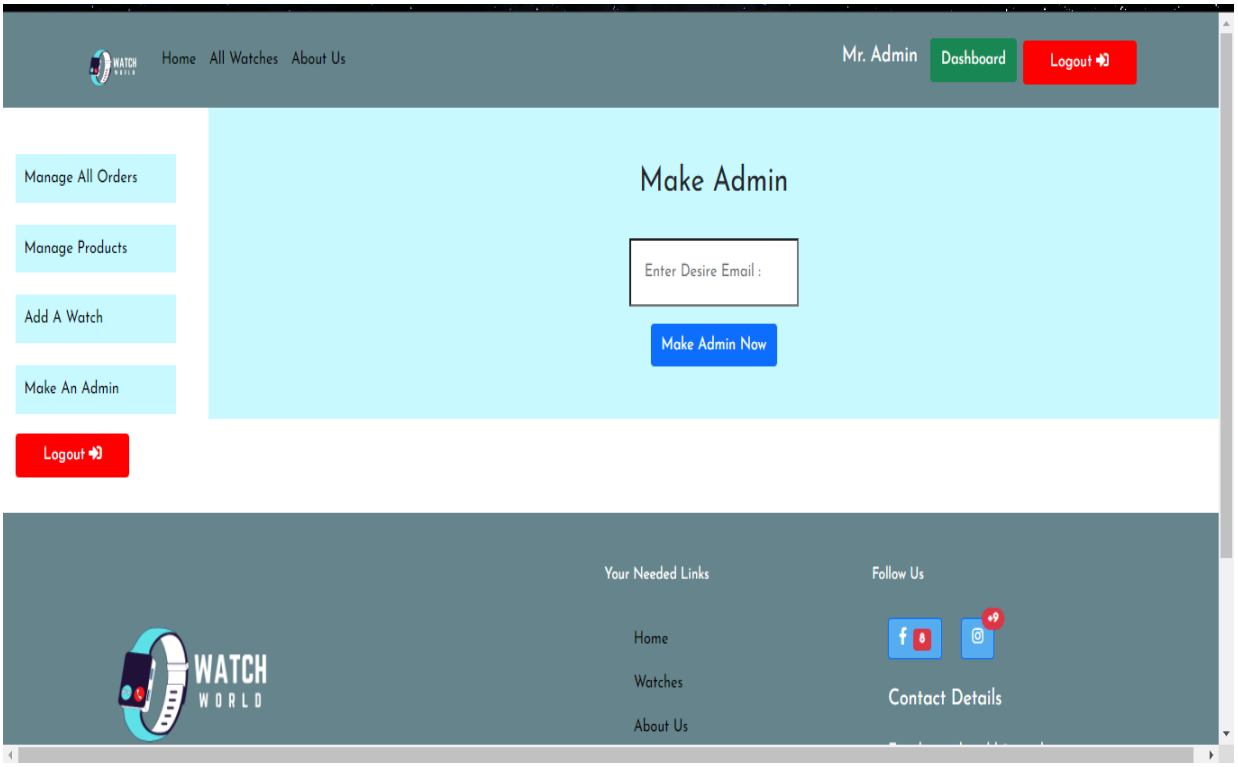


© Daffodil International University

ADD A WATCH (ADMIN)

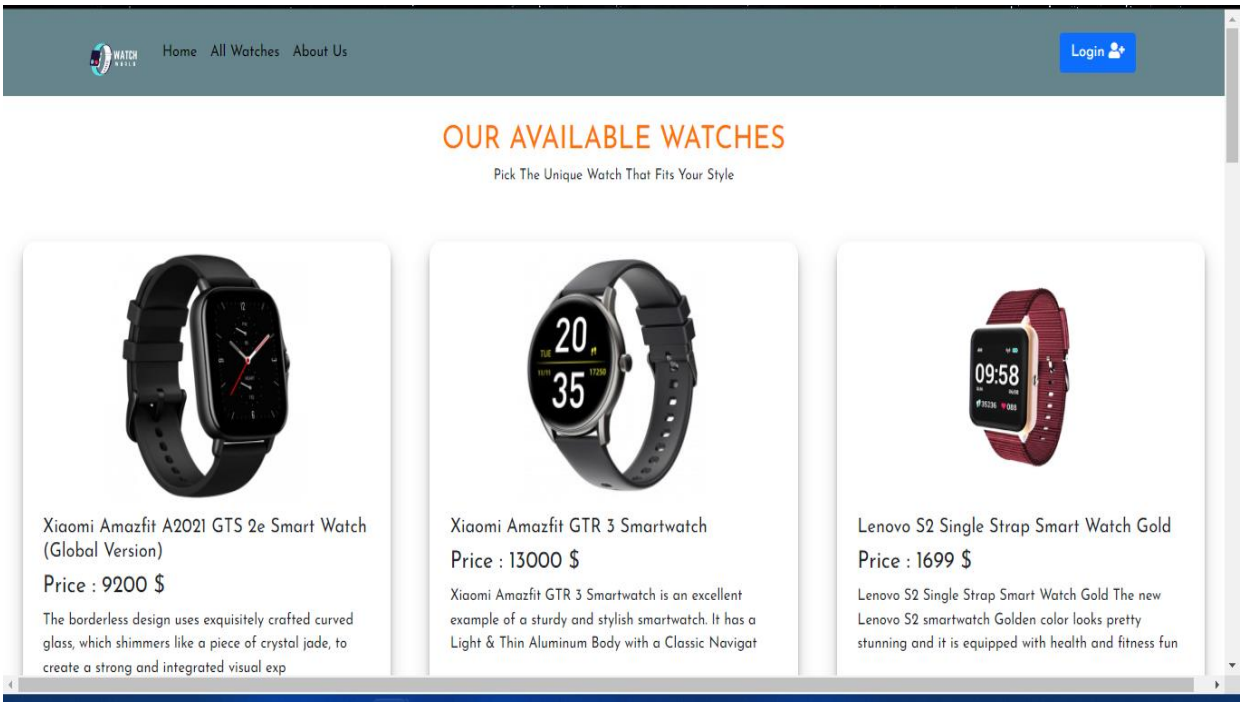


MAKE A NEW ADMIN (ADMIN)



© Daffodil International University

SEARCH WATCHES – WITHOUT LOGIN



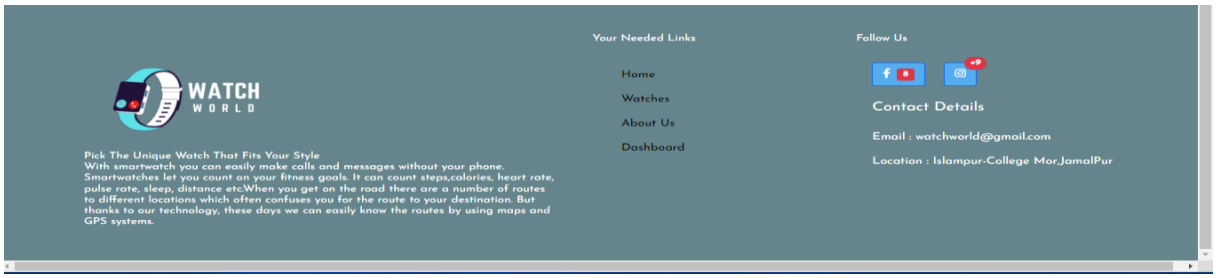
WATCH WORLD – HEADER (WITHOUT LOGIN)

WATCH WORLD – HEADER (USER LOGGED-IN)

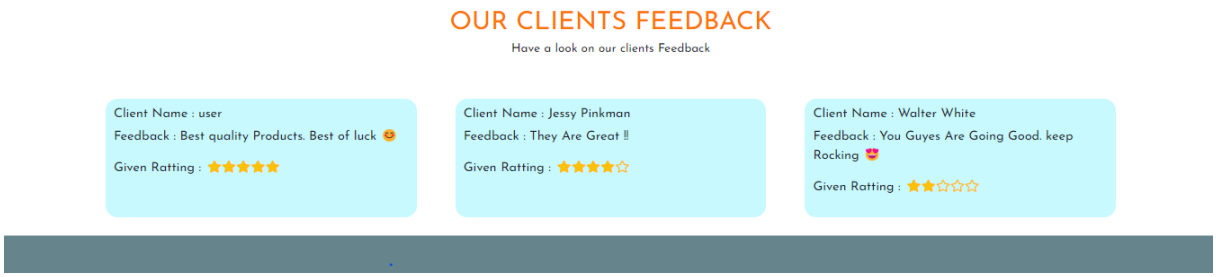
WATCH WORLD – HEADER (ADMIN LOGGED-IN)

© Daffodil International University

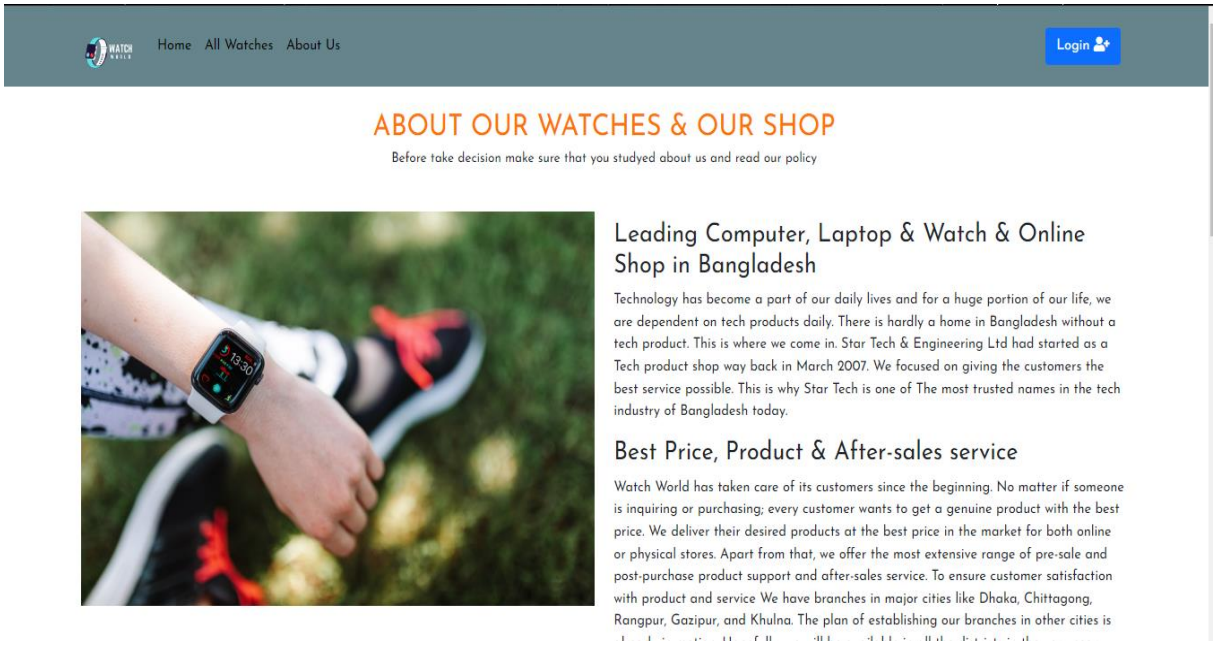
WATCH WORLD – FOOTER



WATCH WORLD – FEEDBACK



WATCH WORLD – ABOUT US



© Daffodil International University

7. SUMMARY

7.1 PROJECT LIMITATIONS

1. System can't manage a very large information at a time is a challenge.
2. Having all the payment gateway integrated and running is another challenge.
3. Lack of motivation and knowledge of sellers and customers to use online web systems.

7.2 CHALLENGES AND ACHIEVEMENTS

CHALLENGES

- Learning the use of development and environment is a challenging issue.
- Completing a work inside confined time is genuinely difficult.
- To assemble requirements is a very extraordinary.

ACHIEVEMENTS

- ✓ Truly gathered a project.
- ✓ Taken in another headway.
- ✓ Convey a project is another experience.
- ✓ Taken in the authentic experience by moving project on the live server.
- ✓ Had a couple of encounters with report and the improvement cycle.

© Daffodil International University

7.3 FUTURE WORK

On the other hand, the system was built to adapt to different situations. It doesn't matter; I need to provide a few extra functions for the system to be happy. Numerous primary objectives will be addressed in subsequent studies.

This web system can be used as a perfect demo for any local store selling any types of products. So, based on this, I will be developing more similar web systems to make our local businesses more digitalized and profitable for both sellers and customers.

7.4 GITHUB LINK

THIS SECTION IS YET TO BE ADDED

REFERENCES

- https://www.w3schools.com/
- https://reactjs.org/
- https://github.com/

© Daffodil International University

PLAGIARISM REPORT

© Daffodil International University

LIBRARY CLEARANCE

© Daffodil International University

ACCOUNTS CLEARANCE

© Daffodil International University