

# Sri Lanka Institute of Information Technology

# **Online Fashion Store**



# **Project Report**

Application Frameworks Project 2020

Group Name: Team </BackSlash>

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# **Declaration**

We declare that the this project report or part of it was not a copy of a document done by any organization, university any other institute or a previous student project group at SLIIT and was not copied from the Internet or other sources.

# **Project Details**

Project Title	Online Fashion Store
Group Name	Team

# **Group Members**

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# **Abstract**

Now a days the life style of the people is different. People feel uncomfortable and time consuming for going crowded markets. So, E-Shopping is a boon as it saves lot of time. Online shopping is a process whereby consumers directly buy goods, services etc. from a seller without an intermediary service over the Internet. This project is an attempt to make such an online shopping store using ReactJS, NodeJS, Express and MongoDB for database having admins, Store managers and customers as its users.

The proposed system will keep a track of online users of the Shopping website, Admin staff, Store managers, and Viewers regarding the present status of various functions. This project has GUI based software that will help in storing, updating and retrieving the information through various user-friendly menu-driven modules.

# Acknowledgement

Our thanks and appreciation also go to our colleagues in developing the project and people who have willingly helped us with their abilities.

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### 1. Introduction

The Online Shopping Cart system is an attempt that has been made to minimize the gap between users and their shopping experience.

### 1.1 Product Scope

Our proposed system is the computerized version of the manual shopping store. We have divided the access to this system mainly into two parts as

- 1. For Online Customers
- 2. For Admin Panel and Store Manager

And the Admin panel and Store Manager can handle the functions of the Fashion Store with the following main eight functions.

- 1. Add, Edit update and Delete Products to the System
- 2. Add, Edit update and Delete product Categories to the System
- 3. Register Users
- 4. Manage customers and carts.

While Online Customers can do the following functions,

- 1. View products in the store
- 2. Register in the fashion store
- 3. Buy products
- 4. Add products to wish list.
- 5. Give reviews and ratings

The system provides easy and quick access over the data by keeping records of customers properly so that facilities provided by Fashion Store are fully utilized in effective and efficient manner.

#### Advantages:

- 1. Storing customer details correctly.
- 2. Maintain accuracy.
- 3. Customers can do online shopping
- 4. The Customers are provided with up to minute information related to the unit availability and their status. From their convenient place
- 5. The decision process in faster and more consistent.

6. The guest have information at their demand related to any unit status of their own unit shopping status.

### 1.2 Project Report Structure

The main purpose for preparing this document is to give a general insight into the analysis and requirements of the existing system or situation and for determining the operating characteristics of the system.

The report will further describe about the full design of the system by giving the details of the requirement analysis and how it's above mentioned main functions are interacted and work through the whole system.

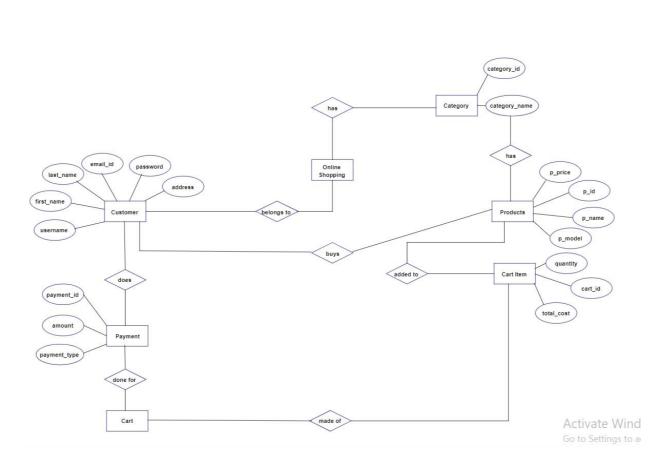
# 2. Methodology

# 2.1 Requirements and Analysis

A software product always begins with the customers' needs. These needs initially are either in the mind of the customer. Sometimes it is present in the existing practice where the need is to automate a current manual process. These software requirements which are there in the mind of the users are usually informal and not general.

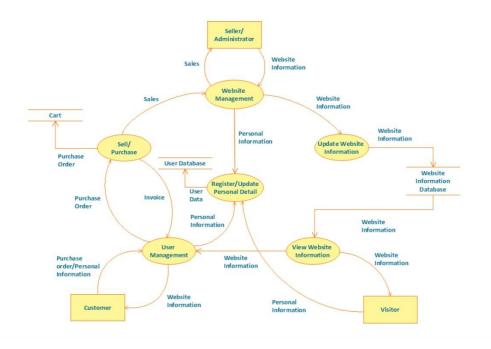
# 2.2 Design

# ER DIAGRAM OF THE SYSTEM



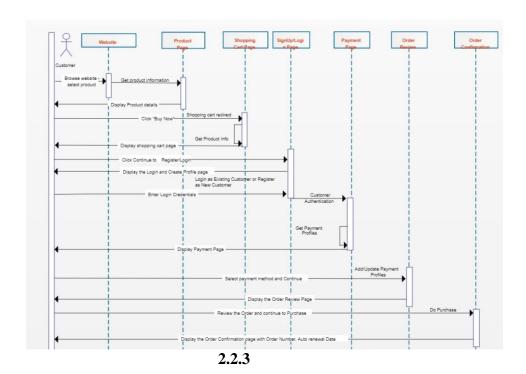
2.2.1

### DATA FLOW DIAGRAM OF THE SYSTEM

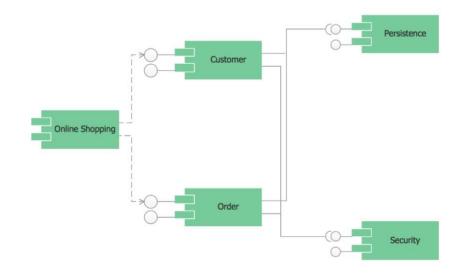


2.2.2

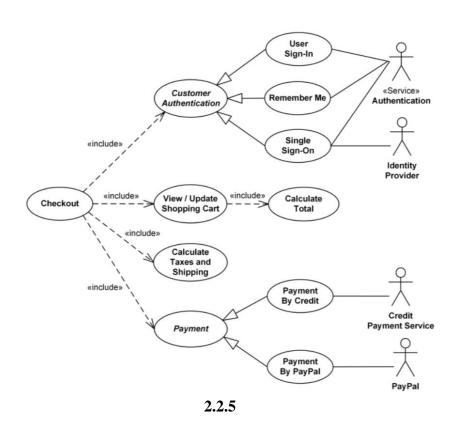
# SEQUENCE DIAGRAM OF THE SYSTEM



#### COMPONENT DIAGRAM OF THE SYSTEM



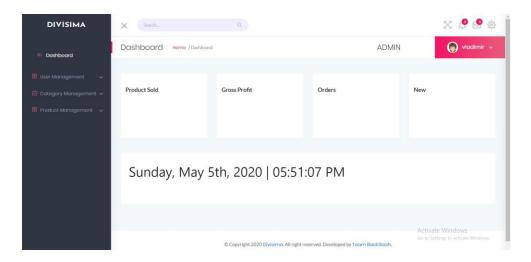
2.2.4
CHECKOUT, AUTHENTICATION USECASE DIAGRAM OF THE SYSTEM



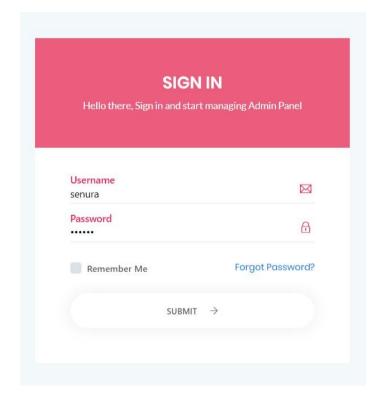
# 3.Main functions of the System.

### 3.1Admin Panel

This is the dashboard Layout which can be accessed by the admins and the store managers of the system.



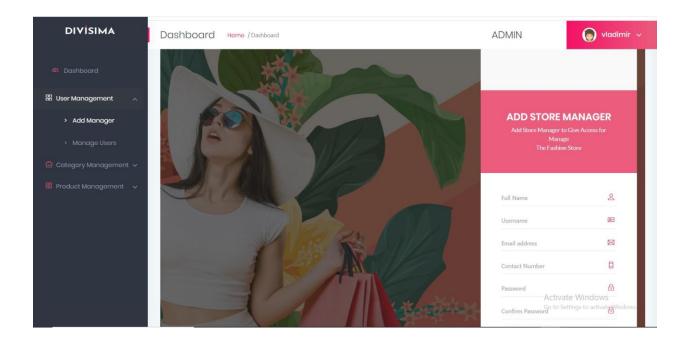
Admin can Sign in to the system from the following page.

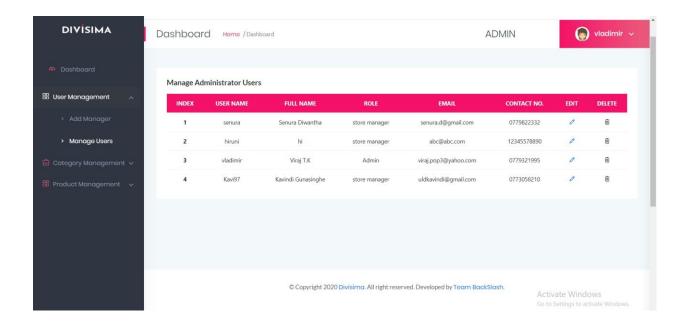


In this dashboard, User Management, Category management and the Product management can be done as described below.

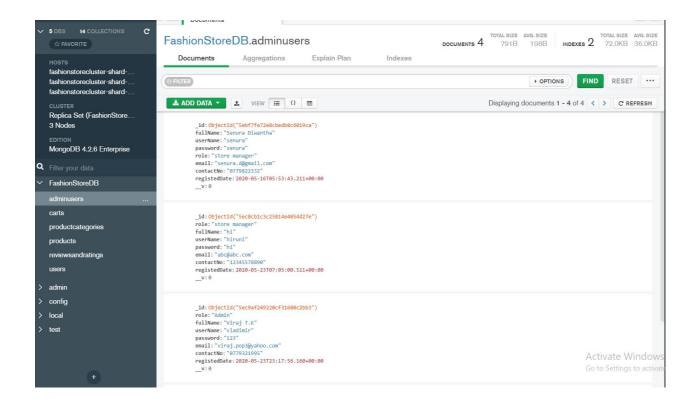
#### 3.1.1Registering the Admin Details:

In here the admins are registered with their particular details and those details can be viewed through a separate dashboard as well.



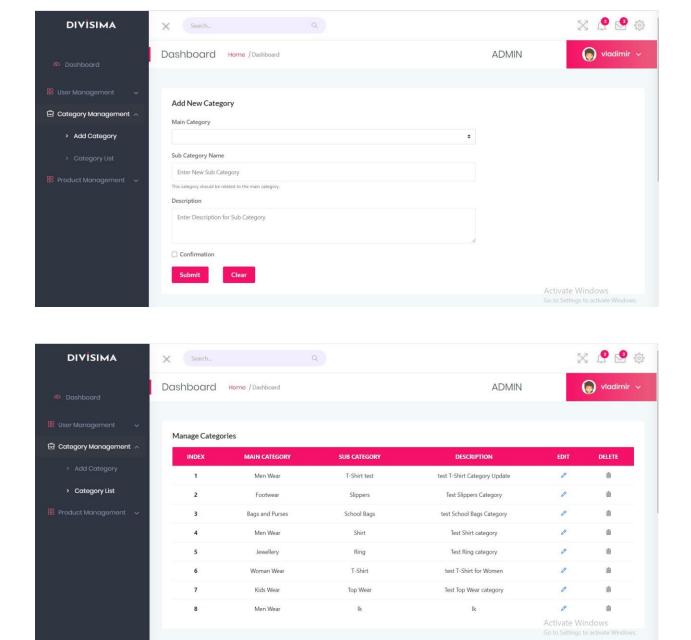


Those above details can be managed by updating and deleting those details. They are stored in a database in the system.

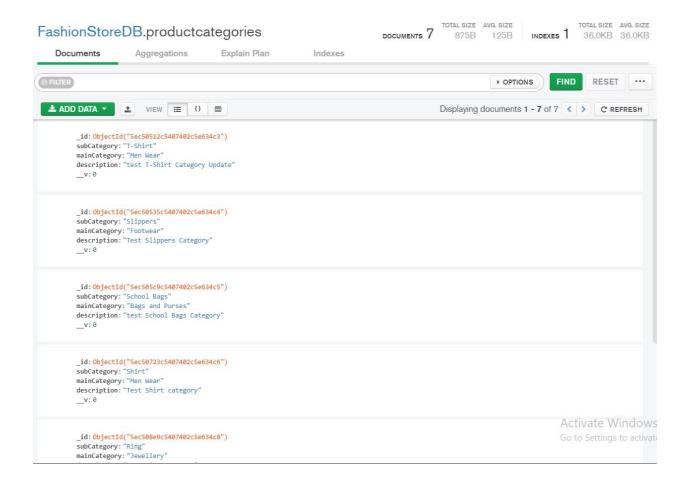


### 3.1.2Manage Product Categories of the System

Admin Panel can ADD, UPDATE, DELETE and VIEW the product categories in the system

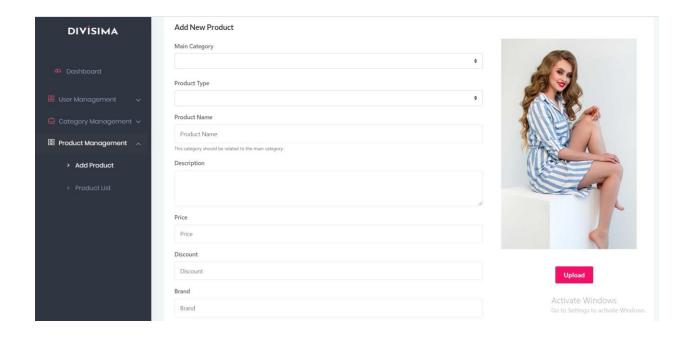


Those product category details are stored in a separate database as follows.



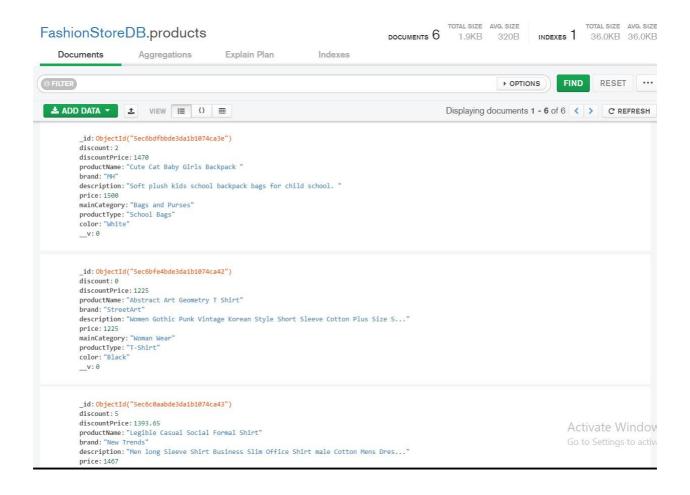
# 3.1.3Manage Products of the System

Admin Panel can ADD, UPDATE, DELETE and VIEW the products in the system.



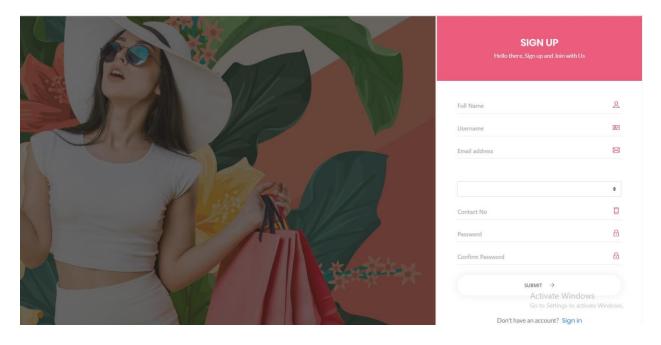


Those product category details are stored in a separate database as follows

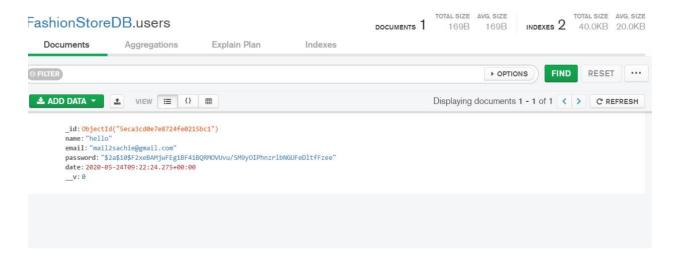


#### **3.2CUSTOMER MANAGEMENT**

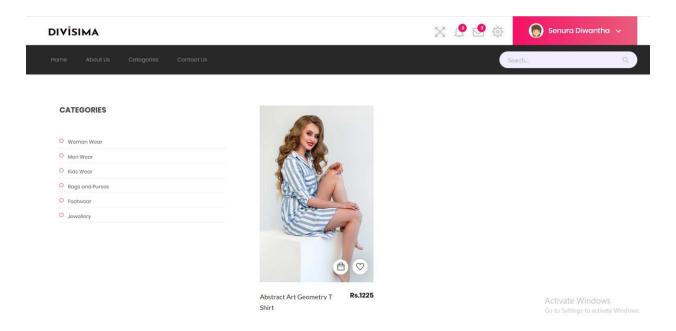
In here customer can view the products currently in store and they can register themselves first in order to purchase products. This can be done as follows.



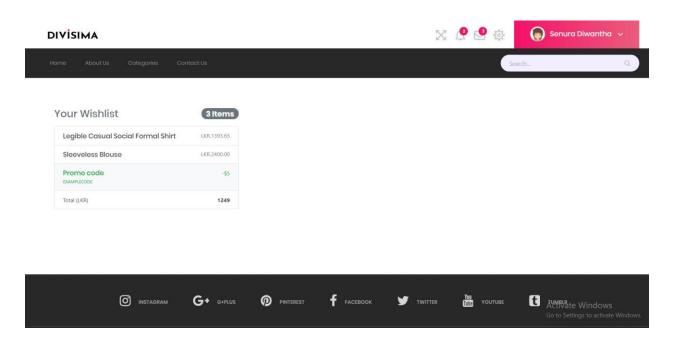
And these registered users details are stored in a separate database as follows.



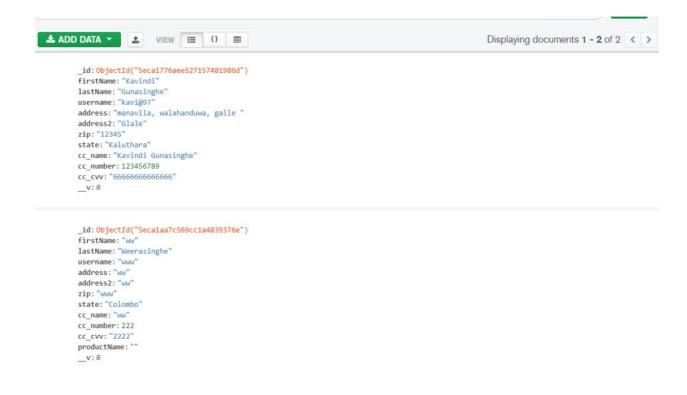
They can choose whatever the category they want from the category list. And this is the page where they can view the products in the store.



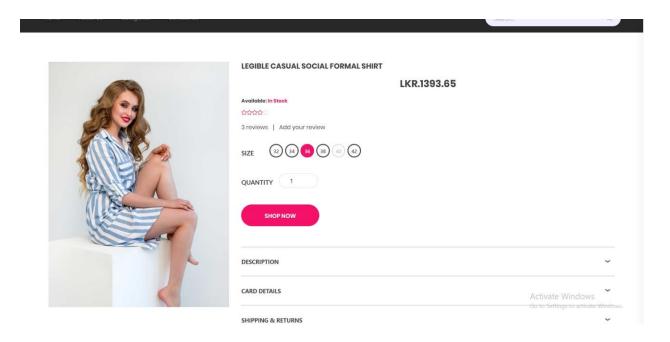
If the customer wish to buy the product later, they can add it to the wish list by clicking the heart shaped icon and they **can view, delete and update** the **wish list** as follows.



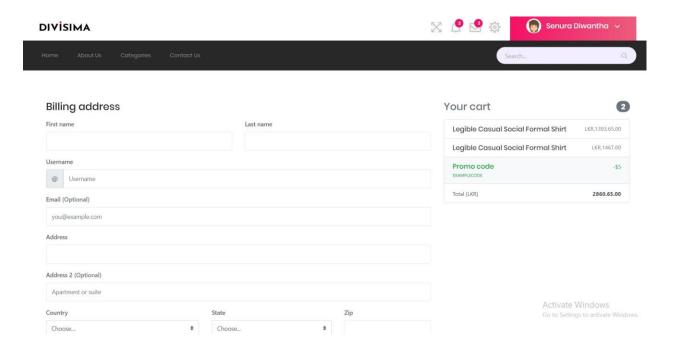
Details of the **wish list** is stored in a separate database.



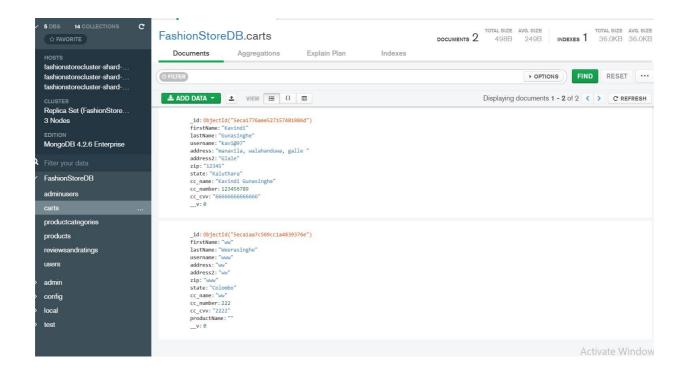
If the customer wants to see the further details of the product then they can click on the bag icon in the page and this gives them the details of the product as follows.



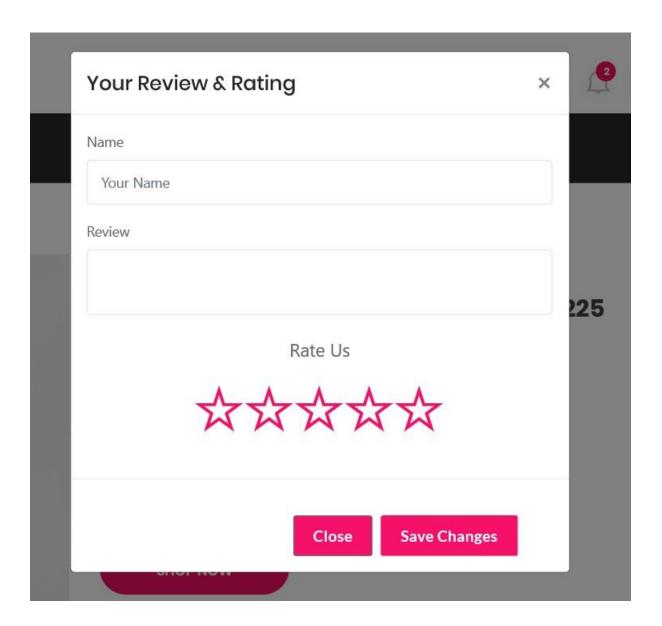
If the customer wishes to buy this product they can **add this to their cart** by clicking on the Shop Now button. This gives them the details of their cart in the right side of the page and they can **check out** by giving the payment details as well to the same page.



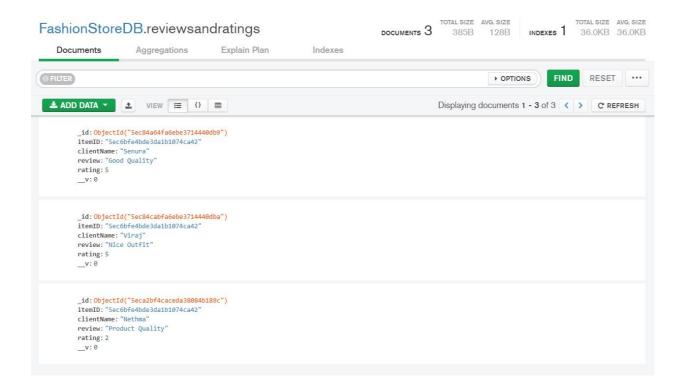
These Cart details are stored in a separate Database as well.



The customer can give Reviews and ratings on the products as well. This is done by the following page of the system.



This reviews and ratings details are stored in a separate database as well.



# 4. Implementation

For the development of this system, we used MERN stack as we used ReactJS, Nodejs and Express and Databases were created using MonogoDB. We also used HTML, CSS, JavaScript, JQuery technologies.

#### 5. Conclusion

The entire project has been developed and deployed as per the requirements stated, it is found to be bug free as per the testing standards that are implemented. Any specification untraced errors will be concentrated in the coming versions, which are planned to be developed in near future. The system at present does not take care of the money payment methods, as the consolidated constructs need SSL standards and are critically to be initiated in the first face, the application of the credit card transactions is applied as a developmental phase in the coming days. The system needs more elaborative technicality for its inception and evolution.