
Veer Narmad South Gujarat University, Surat.

**Department of Information and Communication
Technology**



Project Report

1ST Semester

M.Sc.(Information and Communication Technology)

2 Year Course

Year 2019-2020

“Online Agricultural Shop”

Guided By:

Dr. Veena Jokhakar

Submitted By:

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Veer Narmad South Gujarat University, Surat.

M.Sc. (Information Communication Technology)

Certificate

This is to certify that **Yashpalsingh G. Rajpurohit** with Exam Seat Number **10001** has satisfactorily completed his project work entitled as '**Online Agricultural Shop**' as a partial fulfillment of the requirements for **1stSemester - M.Sc.(Information & Communication Technology)** during the academic Year 2019-2020.

Date:

29/10/2020

Place:

J.P. Dower, Surat

Co-ordinator:

M.Sc. (I.C.T.) Programme.

VNSGU, SURAT

Acknowledgement

First and foremost, praises and thanks to the Almighty God, for His showers of blessings throughout the work to complete the project successfully.

We would like to express our deep and sincere gratitude to **Dr. Kamlendu Pandey** and all our Professors for their expert advice, encouragement and helping us throughout this project.

We would specially like to thank **Dr. Veena Jokhakar** for providing valuable advise, guiding us throughout the Project.

We are extremely grateful to our parents for their love, prayers, care and support.

We would also like to thank all our friends who always helped and supported us to complete the project

Last but not the least we would like to thanks all the colleagues who have really motivated us in the project work.

Thanking All

Yashpalsingh Rajpurohit



1. Introduction

1.1 Project Profile

Project Profile

Project title	: ‘Online Agricultural Shop’
Name of Institute	: J.P. Dawer Institute OF Science And Technology , Veer Narmad South Gujarat University, Surat.
Front End Tool	: JSF (XHTML) , HTML
Back End	: XAMPP v3.2 ,REST , JPA
Operating System	: Window 10
Other Technology	: JavaScript, JSF, Bootstrap, CSS.
Project Guide	: Ms. Veena Jokhakar.
Submitted by	: Yashpalsingh G. Rajpurohit

2. Environment Description

2.1 Hardware & Software Requirements

2.2 Technology Used

Hardware & Software Requirements

❖ Hardware Specification :

Processor : Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz 2.70

RAM : 4.00GB (3.79 GB usable)

Hard Disk : Basic 931.51 GB Online

Monitor : 15.6” HD True Life Display

System Type : 64-bit Operating System, x64-based processor

❖ **Software Specification:**

➤ **Software Requirements (for Development):**

- Integrated Development Environment (IDE 8.2) (NetBeans)
- JDK v1.8 (Java Development Kit)
- XAMPP Control Panel v3.2.2

➤ **Operation System (for development):**

- Microsoft Windows 10 Enterprise

➤ **Server Configuration:**

- Payara Version: 5.0
- NetBeans Version: 8.2
- XAMPP v3.2.2

➤ **For Client Side:**

- Mozilla Firefox / Google Chrome / Any HTML5 And CSS3 Browser

❖ Technology Used:

- J2EE
- Java Script
- JSF(Java Server Faces)
- Bootstrap
- CSS
- MYSQL
- REST



3. Proposed System

3.1 Project Propose

3.2 Project Scope

3.3 Project Objective

❖ **Project Propose:**

- Main objective of proposed system is to design computerized system to let users buy agricultural products.
- To give security to system by login and password.
- Design system that is user-friendly and easy to operate.
- To buy agricultural product any time.
- To provide agro products to user at their doorstep.
- To provide various agricultural products in rural area which are unavailable there.

❖ **Project Scope:**

➤ **Admin Side** :-

- Login
- Admin can add brand.
- Admin can add various Categories.
- Admin can add Products.
- Admin can add Cities.
- Admin can add States.
- Logout

➤ **Client Side**

- Register
- Login
- View Products
- Can Order AgroProducts.
- Payment
- Search Products
- Logout

❖ Project objectives :

- Online Agricultural Shop is website that is used to order agro products Online.
- It saves a lot of time, energy & money, moreover it provides quick & efficient services.
- The main aim of the project is to create web-based software which allows user to order products related to agriculture .
- Project purpose is to save time and efforts.
- This website provides all types of agriculture related stuffs like fertilizers ,seeds , machinery related to agriculture and much more.



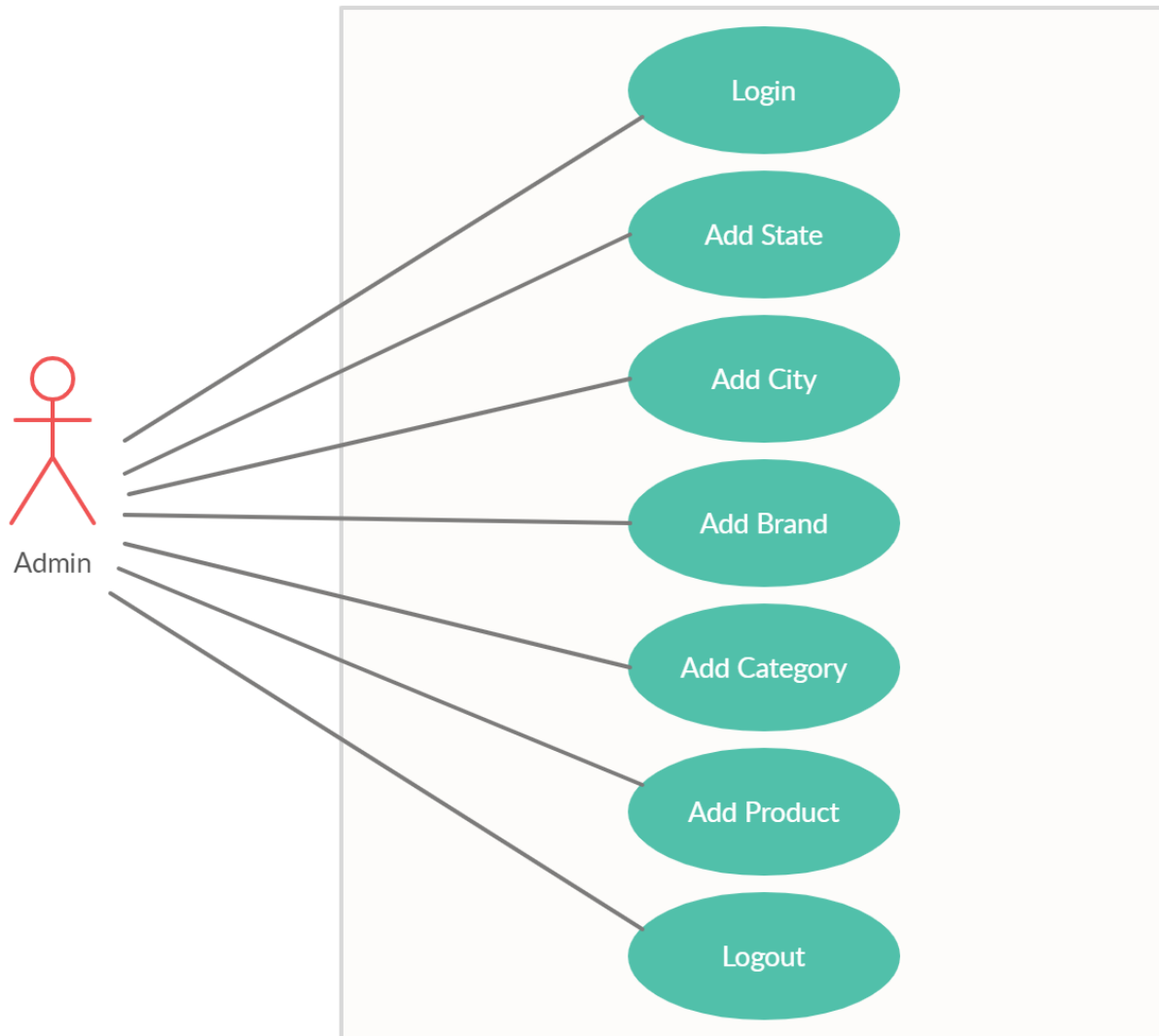
4. Unified Modeling Language

4.1 Use Case Diagram

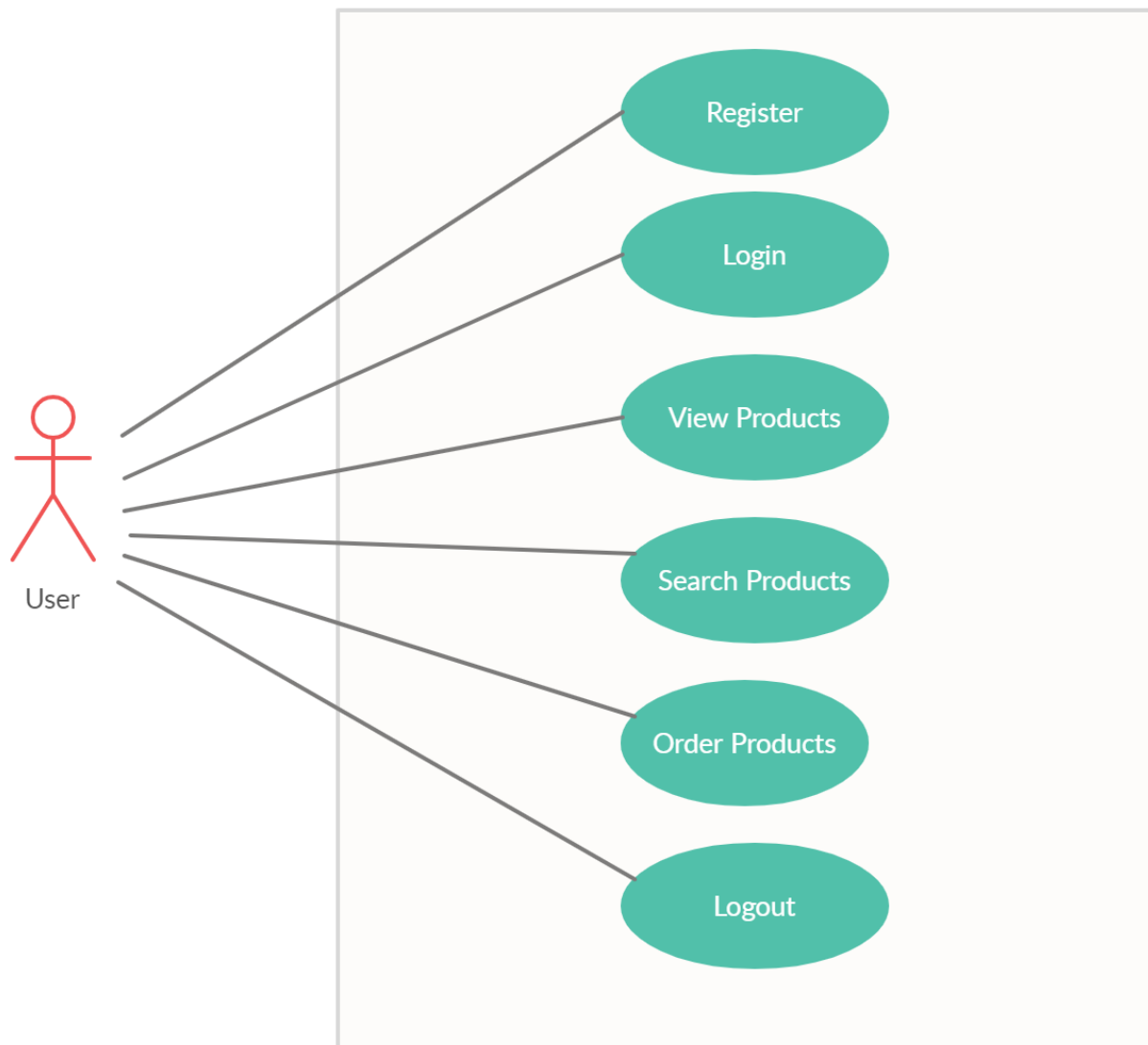
4.2 Sequence Diagram

❖ Use Case Diagram :

Admin:-

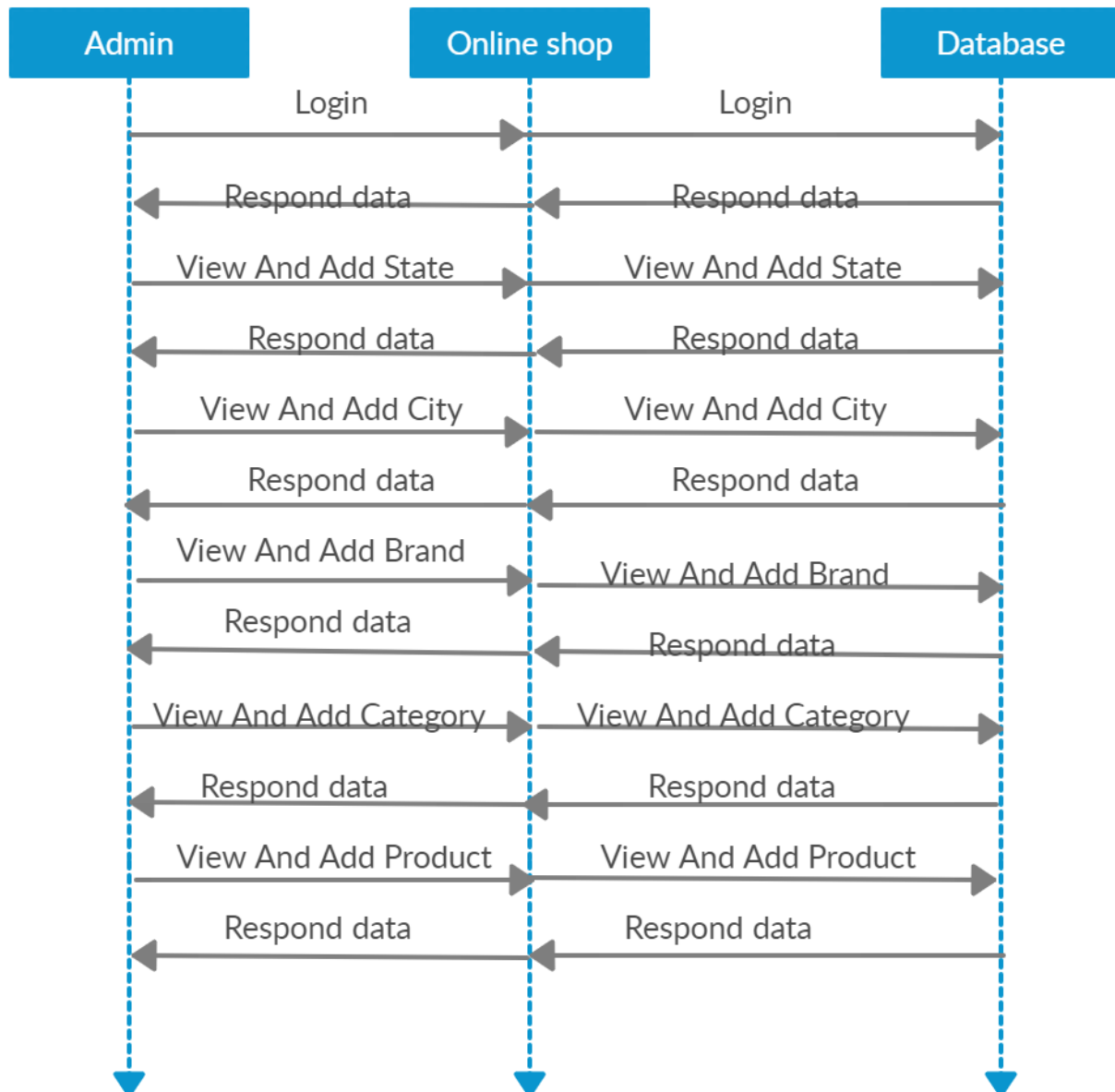


User:-

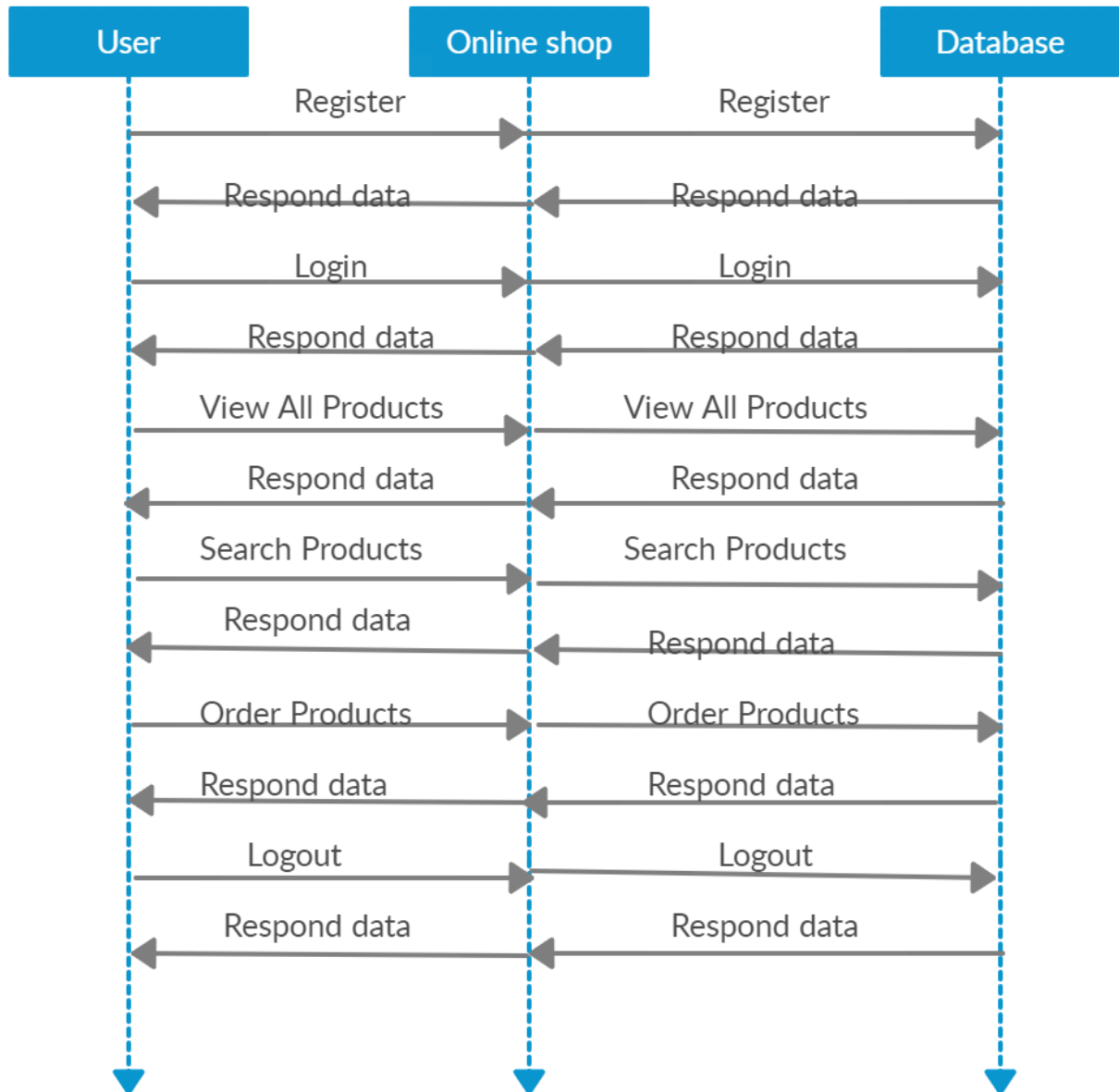


❖ Sequence Diagram :

1. Admin Side:



2. User Side:



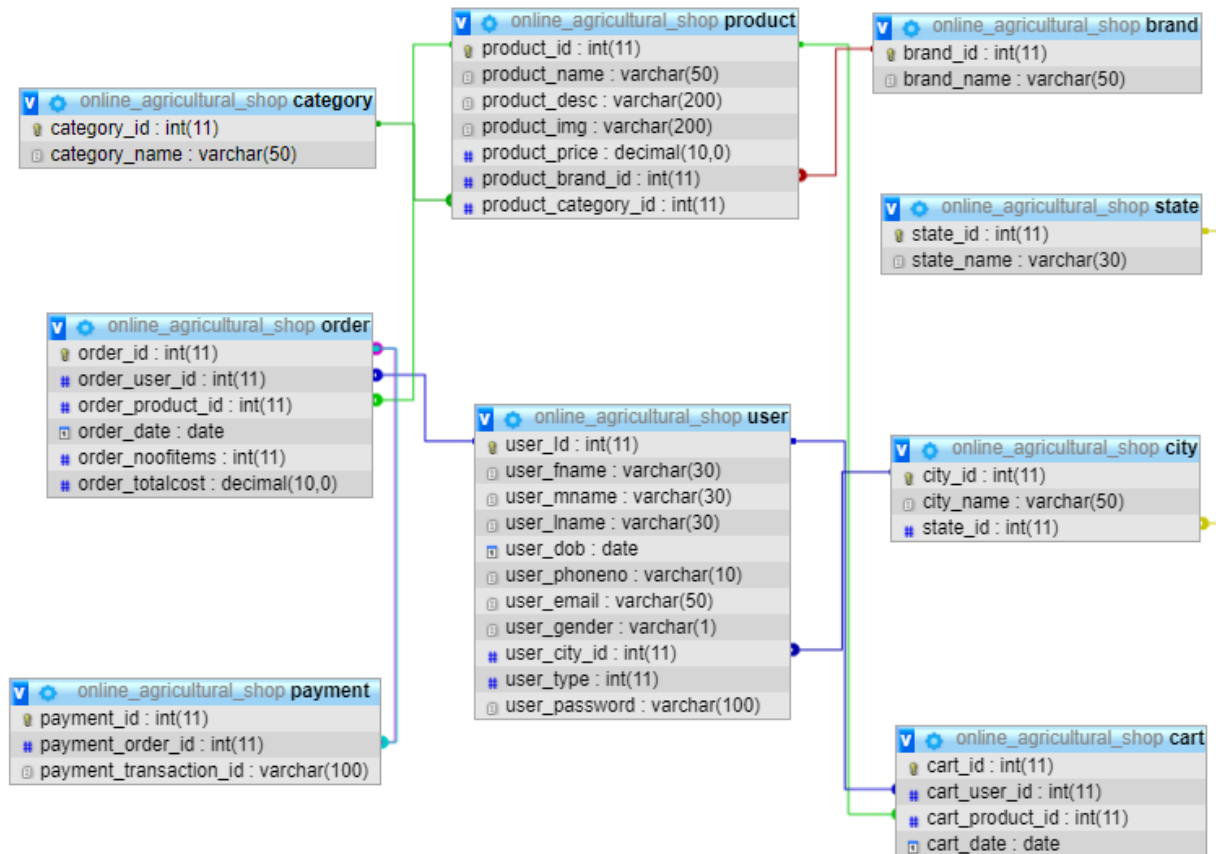


5. System Design

5.1 Relationship Diagram

5.2 Database Diagram

❖ Relationship Diagram:



❖ **Database Diagram :**

1. Table Name : brand

Sr.No.	Field Name	Datatype	Constraint
1	brand_id	int(11)	Primary Key
2	brand_name	varchar(50)	

2. Table Name: category

Sr.No.	Field Name	datatype	constraint
1	category_id	int(11)	Primary Key
2	cateogry_name	varchar(50)	

3. Table Name: state

Sr.No.	Field Name	Datatype	constraint
1	state_id	int(11)	Primary Key
2	state_name	varchar(30)	

4. Table Name: city

Sr.No.	Field Name	Datatype	constraint
1	city_id	int(11)	Primary Key
2	city_name	varchar(50)	
3	state_id	Int(11)	Reference from state table

5. Table Name : product

Sr.No.	Field Name	Datatype	constraint
1	product_id	int(11)	Primary Key
2	product _name	varchar(50)	
3	product _desc	varchar(200)	
4	product_price	decimal(10,0)	
5	product _img	varchar(200)	
6	product _brand_id	int(11)	Reference from brand table
7	product _category_id	int(11)	Reference from category table

6. Table Name: user

Sr.No.	Field Name	Datatype	constraint
1	user_Id	int(11)	Primary Key
2	user_fname	varchar(30)	
3	user_mname	varchar(30)	
4	user_lname	varchar(30)	
5	user_dob	date	
6	user_phoneno	varchar(10)	
7	user_email	varchar(50)	
8	user_gender	varchar(1)	
9	user_city_id	int(11)	Reference from city table
10	user_type	int(11)	
11	user_password	varchar(100)	

7. Table Name: cart

Sr.No.	Field Name	Datatype	constraint
1	cart_id	int(11)	Primary Key
2	cart_user_id	int(11)	Reference from user table
3	cart_product_id	int(11)	Reference from product table
4	cart_date	date	

8. Table Name: order

Sr.No.	Field Name	Datatype	constraint
1	order_id	int(11)	Primary Key
2	order_user_id	int(11)	Reference from user table
3	order_product_id	int(11)	Reference from product table
4	order_date	date	
5	order_noofitems	int(11)	
6	order_totalcost	Decimal(10,0)	

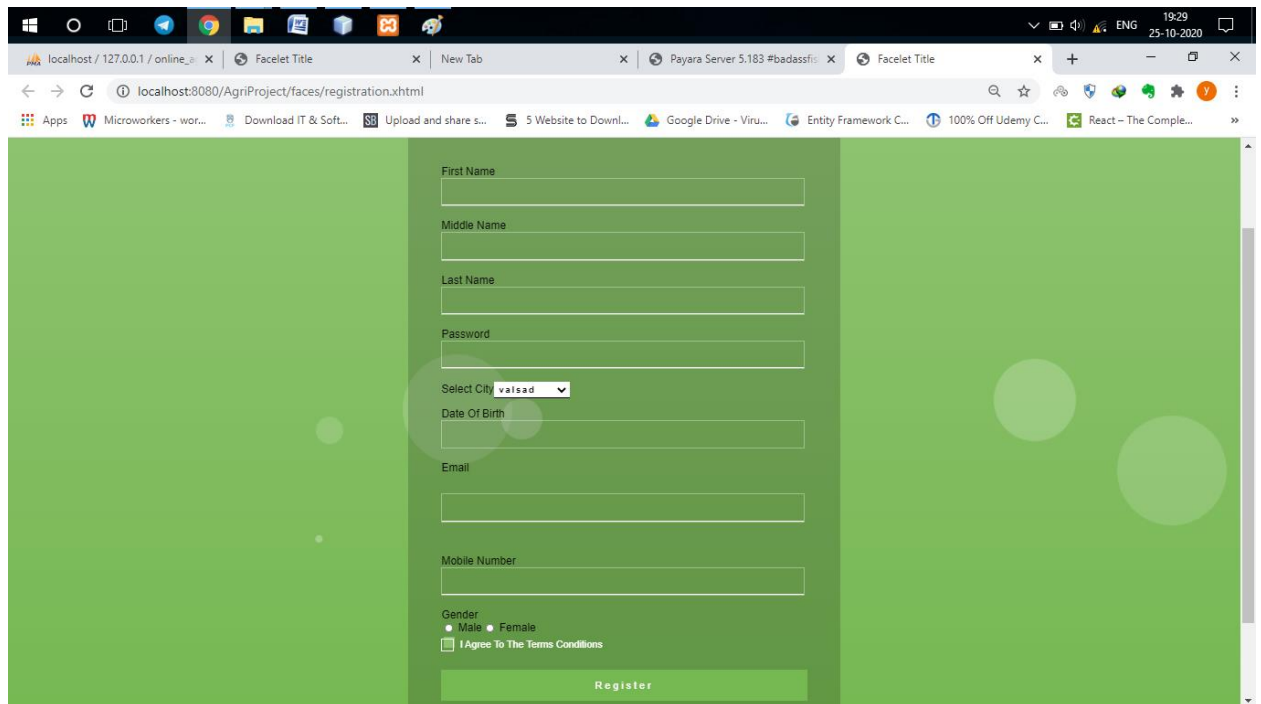
9. Table Name: payment

Sr.No.	Field Name	Datatype	constraint
1	payment_id	int(11)	Primary Key
2	payment_order_id	int(11)	Reference from order table
3	payment_transaction_id	varchar(100)	



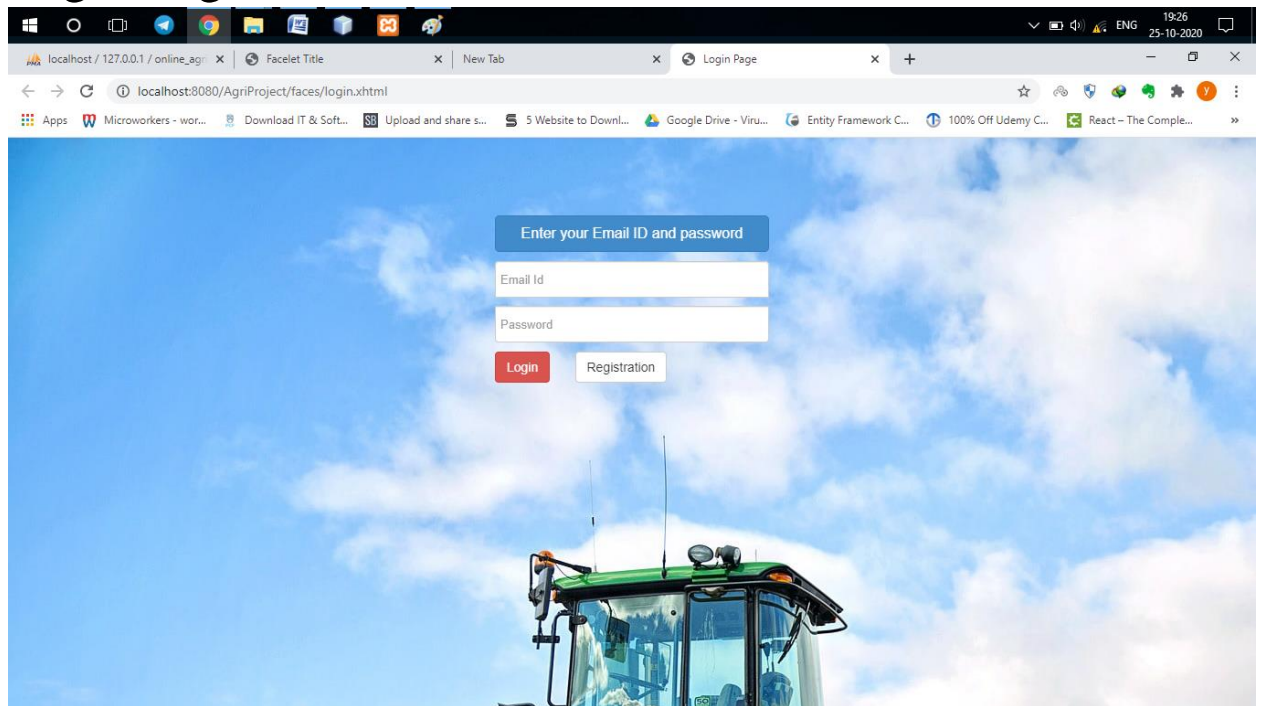
6. Interface Design

Registration Page:



A screenshot of a web browser displaying a registration form. The browser's address bar shows the URL `localhost:8080/AgriProject/faces/registration.xhtml`. The form is set against a solid green background. It includes input fields for 'First Name', 'Middle Name', 'Last Name', 'Password', 'Date Of Birth', 'Email', and 'Mobile Number'. A 'Select City' dropdown menu is currently set to 'Valsad'. There are radio buttons for 'Gender' with 'Male' selected, and a checkbox for 'I Agree To The Terms Conditions'. A green 'Register' button is at the bottom of the form.

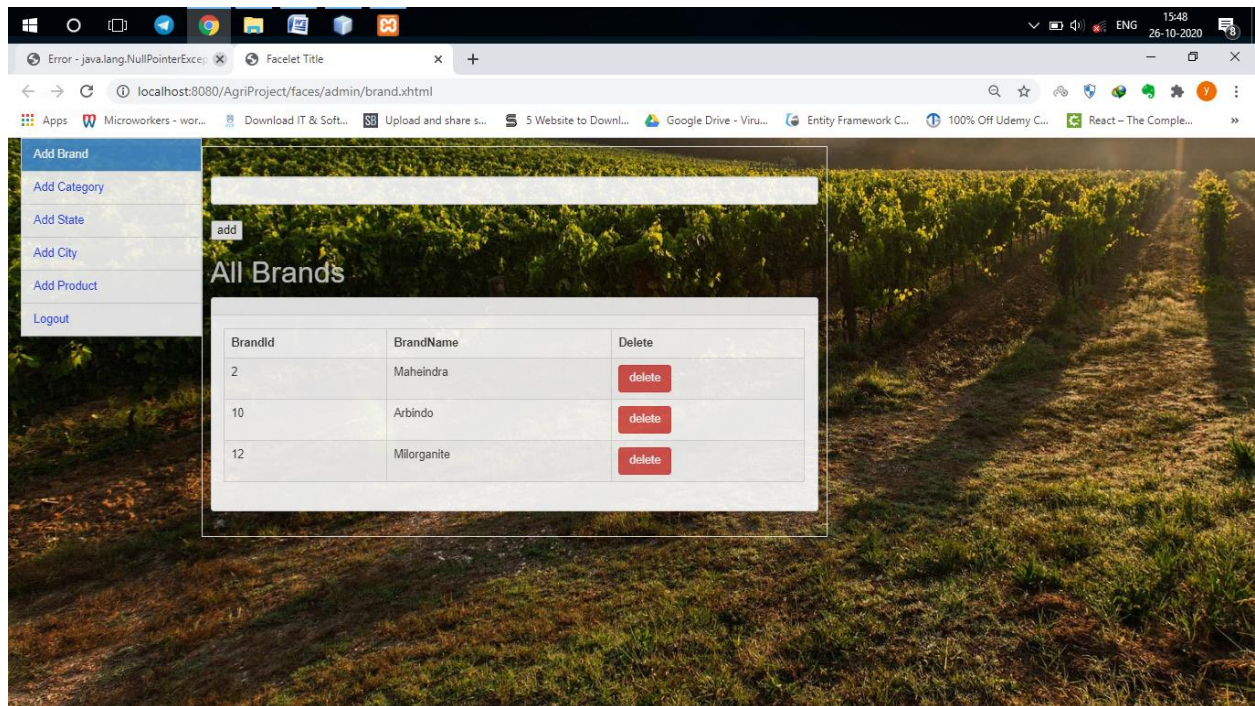
Login Page:



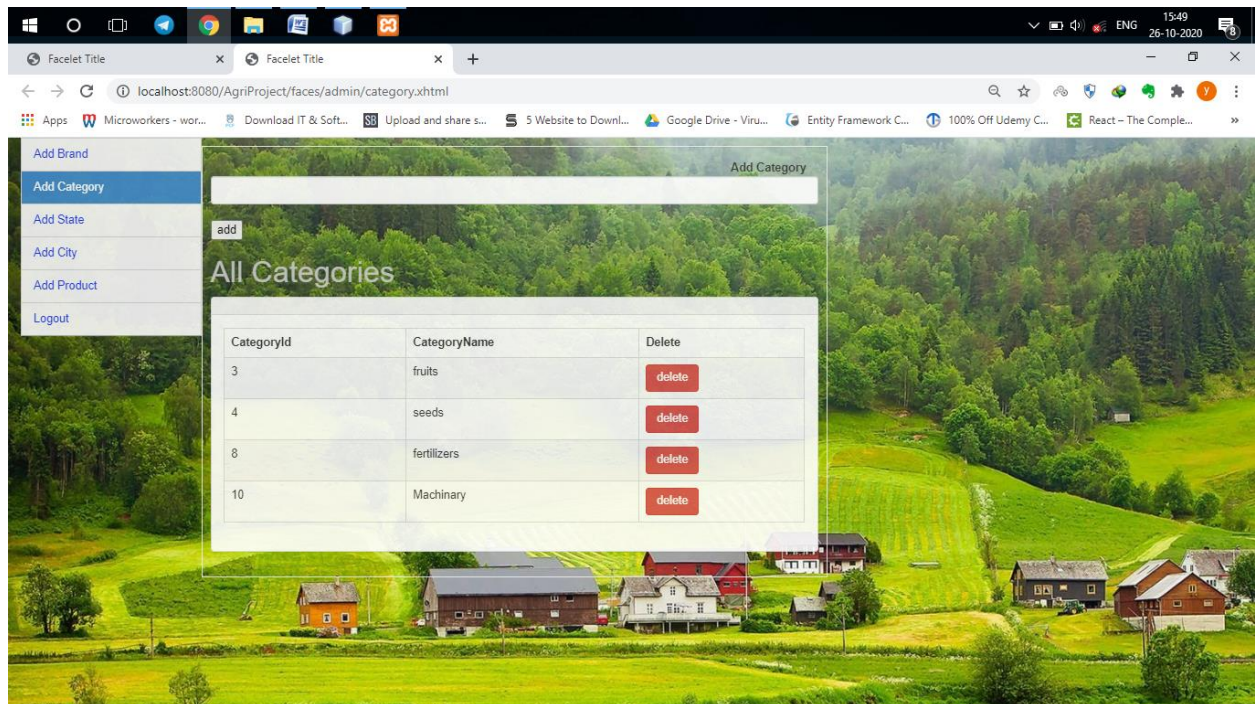
A screenshot of a web browser displaying a login page. The browser's address bar shows the URL `localhost:8080/AgriProject/faces/login.xhtml`. The page features a background image of a green tractor against a blue sky with white clouds. A blue button at the top of the form says 'Enter your Email ID and password'. Below it are input fields for 'Email Id' and 'Password'. At the bottom of the form are two buttons: a red 'Login' button and a white 'Registration' button.

⇒ Admin Pages:

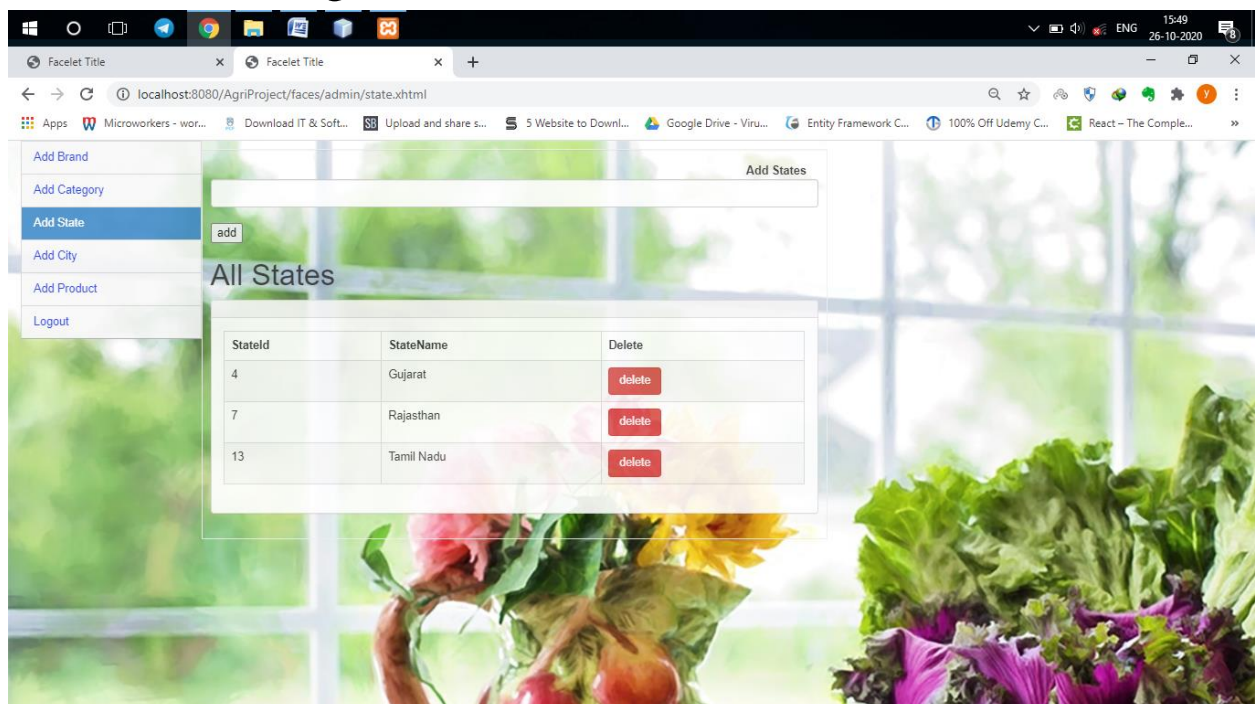
a. Brand Page :



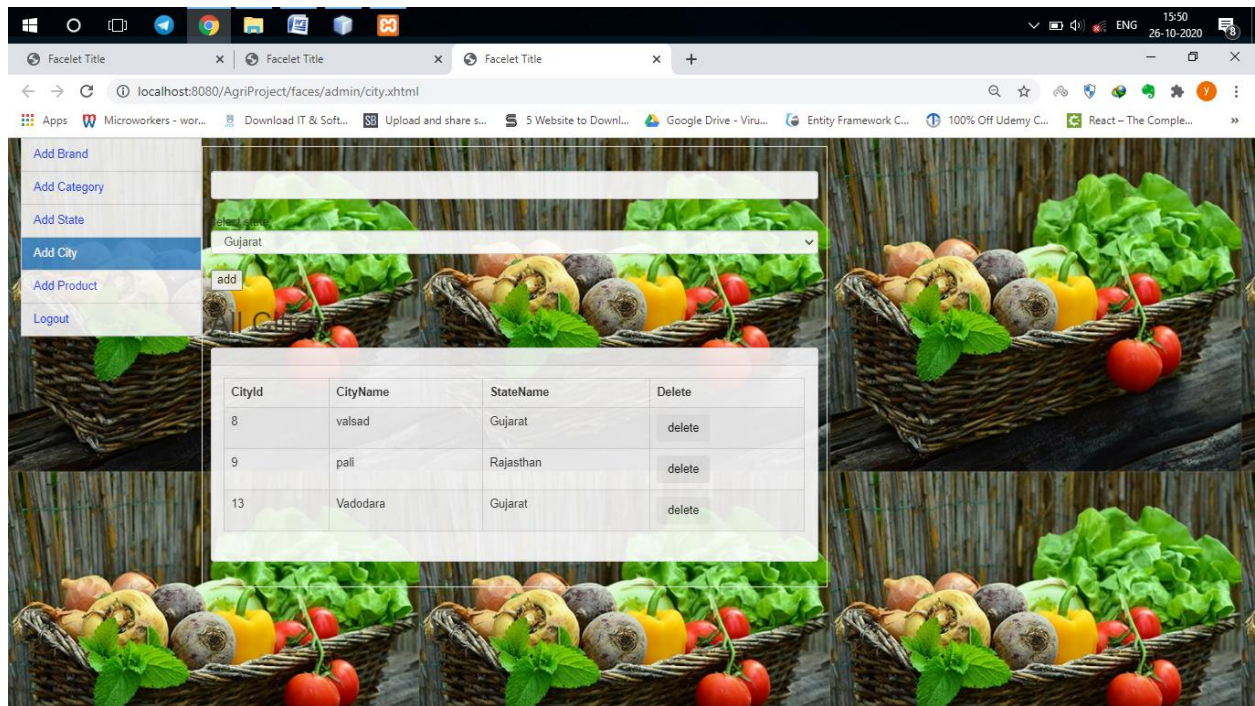
b. Category Page:



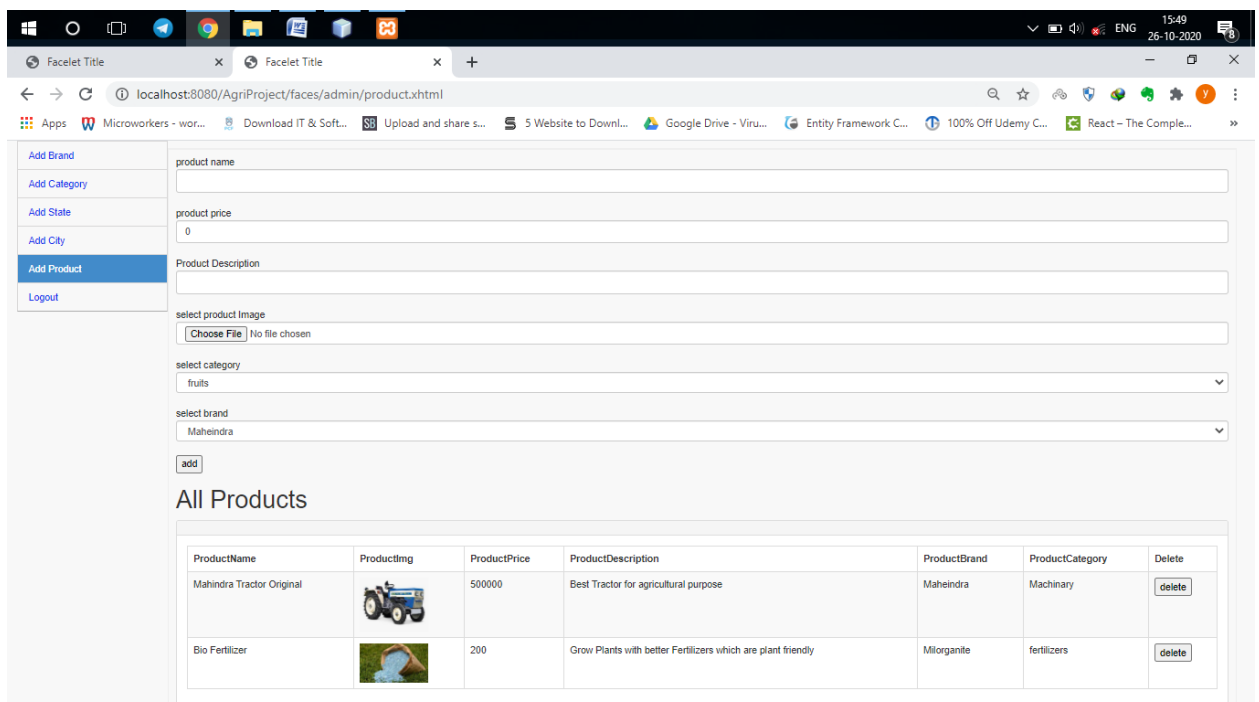
c. State Page:



d. City Page:

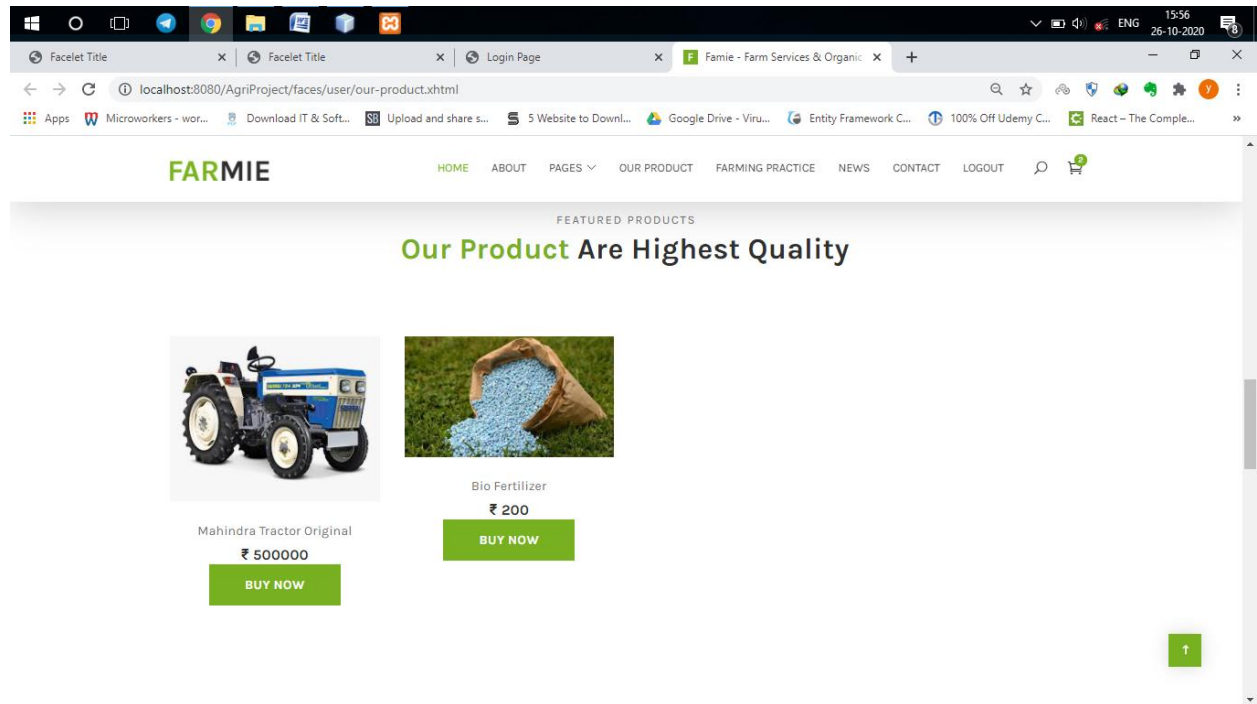


e. Product Page:



User Side:

a. Products Page:





7. Reference

Reference

- <https://www.oracle.com/java/index.html>
- <https://www.javatpoint.com/>
- <https://getbootstrap.com/>
- <https://youtube.com/>
- <https://stackoverflow.com/>



8. Future Enhancement

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- Filter Based Searching
 - Chat Bot For Query
 - Guest Based Login