

CHAPTER 1: INTRODUCTION

1.1 Introduction

The fruit and vegetable online mart application is a platform designed to facilitate the online purchase and delivery of fresh fruits and vegetables. It provides a convenient and user-friendly interface for both administrators and users to interact with the system.

The system consists of two main modules: the Admin module and the User module. The Admin module is responsible for managing the overall functioning of the application, while the User module allows customers to browse products, place orders, and manage their profiles.

1.2 Existing System and Need for System

Existing System:

In the existing system, customers who wish to purchase fruits and vegetables have to physically visit local markets or grocery stores. They spend time and effort browsing through different vendors, comparing prices, and selecting products. This traditional approach has several limitations:

1. Limited Accessibility: Customers are restricted to the local market's operating hours and availability of products. They might not have access to a wide variety of fruits and vegetables, especially if they live in remote areas.
2. Time-Consuming: Visiting multiple stores to find the desired products can be time-consuming and inconvenient. It requires customers to invest significant time and effort in the purchasing process.

Need for System:

The need for a fruit and vegetable online mart application arises from the limitations of the existing system. The proposed system addresses these limitations and provides several benefits:

1. Convenient Shopping Experience: The online mart application allows customers to browse and purchase fruits and vegetables from the comfort of their homes. They can access the platform 24/7, eliminating the need to visit physical stores and saving time.
2. Wide Product Range: The application can showcase a wide variety of fruits and vegetables sourced from different vendors or farms. Customers have access to an extensive selection, including seasonal and specialty produce.
3. User-Friendly Interface: The application offers a user-friendly interface for both customers and administrators. It includes features such as search filters, sorting options, and personalized recommendations to enhance the overall shopping experience.

1.3 Scope of Work

The scope of work for the fruit and vegetable online mart application includes the development and implementation of an efficient and user-friendly system for both the admin and user modules. The application aims to provide a convenient platform for users to purchase fruits and vegetables online, while allowing the admin to manage the system effectively.

The scope of work encompasses the design and development of the application, ensuring secure authentication and authorization processes for both admins and users. It involves creating intuitive interfaces for easy navigation and efficient data management. The system should also incorporate a database to store product information, user details, orders, and feedback data.

Overall, the scope of work for the fruit and vegetable online mart application revolves around developing a robust and user-centric platform that streamlines the process of purchasing fruits and vegetables online while providing the necessary tools for efficient system management by the admin.

1.4 Operating Environment –Hardware and Software

Hardware Requirements

1. Processor: -Intel Corei3 or above.
2. Hard disk: - 256GB or above
3. RAM: -2GB or above

Software Requirements

1. Operating System: -windows 7 or above
2. Programming Language: ASP.net Using C#
3. Editor: -Visual Studio 2022
4. Backend Database: - SQL server 2019

1.5 Detail Description of Technology Used

Programming Language: ASP.net Using C#

The technology used for developing the fruit and vegetable online mart application is ASP.net using C# programming language.

ASP.net is a web development framework that allows developers to build dynamic web applications. C# is the programming language used in conjunction with ASP.net to write the application's code.

ASP.net provides a robust and scalable platform for developing web applications, with features such as server-side scripting, data binding, and database connectivity. C# is a versatile and modern programming language that is widely used for developing web applications due to its simplicity, object-oriented nature, and extensive libraries and frameworks support.

By using ASP.net and C#, the developers can create a secure, efficient, and user-friendly online mart application that meets the requirements of both the admin and the users.

SQL Server 2019

SQL Server 2019 is a relational database management system (RDBMS) developed by Microsoft. It is widely used as a backend database in various applications, including the fruit and vegetable online mart application.

Key features of SQL Server 2019 include:

1. Relational Database Management: SQL Server 2019 is designed to manage and store structured data in a relational format. It provides support for tables, rows, and columns, allowing efficient storage, retrieval, and manipulation of data.
2. Scalability and Performance: SQL Server 2019 offers enhanced scalability and performance capabilities. It supports high-performance computing, in-memory processing, and parallel query execution, enabling efficient handling of large datasets and complex queries.
3. Data Security: SQL Server 2019 provides robust security features to protect sensitive data. It includes features like Transparent Data Encryption (TDE) for encrypting data at rest,

Always Encrypted for encrypting data in transit, and row-level security for fine-grained access control.

4. Availability and Disaster Recovery: SQL Server 2019 offers various features to ensure high availability and disaster recovery. It includes options like Always On Availability Groups for database mirroring and failover clustering, allowing for automatic failover and minimal downtime.

5. Integration Services: SQL Server Integration Services (SSIS) is a component of SQL Server 2019 that facilitates the extraction, transformation, and loading (ETL) of data. It allows for seamless integration with external systems, data sources, and APIs.

Overall, SQL Server 2019 provides a reliable and feature-rich backend database solution for the fruit and vegetable online mart application. It ensures efficient data storage, retrieval, and management, along with strong security measures and support for business intelligence and analytics.

Chapter 2: Proposed system

2.1 Proposed System

The proposed system is an online fruit and vegetable mart application that aims to provide a convenient platform for users to browse, purchase, and manage their orders of fresh produce. It consists of two main modules: the Admin module and the User module.

In the Admin module, the system provides features such as login and a dashboard for the admin to access various functionalities. The admin can manage categories, which involves creating, editing, and deleting different categories of fruits and vegetables to ensure organized product listings. The admin can also manage products, including adding new items, updating their details, and removing them from the system if necessary. Additionally, the admin can manage orders, view and process customer orders, and track their status. Feedbacks from users can be viewed by the admin to gather insights and make improvements.

Finally, the admin has the option to change their password for security purposes.

The User module caters to the end-users of the application. Users can register an account to gain access to the system and then log in using their credentials. They can view the available products, which are categorized for easy navigation. Users can make orders by selecting desired items, specifying quantities, and adding them to their cart. The system facilitates the checkout process, allowing users to review their orders, provide delivery details, and make payments. Users can manage their profiles, which includes updating personal information and managing delivery addresses.

Overall, the proposed system aims to streamline the process of buying fruits and vegetables by offering a user-friendly online platform. It enables efficient management of product listings, order processing, user profiles, and feedback collection, providing a convenient and satisfying experience for both administrators and users.

2.2 Objectives of System

The objectives of the fruit and vegetable online mart application system are as follows:

1. Convenient Shopping Experience: The system aims to provide users with a convenient and hassle-free shopping experience for purchasing fruits and vegetables online. Users can browse through a wide range of products, view detailed information, and make orders from the comfort of their homes or offices.
2. Efficient Management: The system enables the admin to efficiently manage the entire online mart. Admins can easily add, edit, and delete categories and products, track and manage orders, view customer feedback, and maintain an organized database of products and user information.
3. Feedback and Communication: The system facilitates communication between users and the admin. Users can provide feedback on products, services, and overall user experience, helping the admin to improve the quality of offerings. It also allows users to communicate any concerns, queries, or requests directly with the admin.

4. User-Friendly Interface: The system is designed with a user-friendly interface to enhance usability and provide a seamless navigation experience. Users can easily find products, browse categories, view product details, and access other features with ease.

5. Information and Product Management: The system ensures accurate and up-to-date information about available products, including descriptions, prices, and availability. The admin can efficiently manage product inventory, update prices, add new products, and remove discontinued ones, ensuring the system reflects the latest information for users.

Overall, the objectives of the fruit and vegetable online mart application system revolve around providing a convenient and efficient platform for users to purchase fresh produce, while enabling the admin to manage the system effectively and deliver a seamless shopping experience.

2.3 User Requirements

1. Admin Module - User Requirements:

1. Login:

- The admin should be able to securely log in to the admin portal using valid credentials.
- Authentication mechanisms like username and password should be implemented to ensure data security.

2. Dashboard:

- The admin should have an intuitive and user-friendly dashboard that provides an overview of the online mart application.
- The dashboard should display key metrics, such as the total number of registered users, pending orders, and recent feedbacks.

3. Manage Category:

- The admin should be able to add, edit, and delete product categories.
- The ability to organize products into different categories helps users navigate the online mart more easily.

4. Manage Products:

- The admin should have the capability to add, edit, and delete products available in the online mart.
- The product management system should include fields such as name, description, price, availability, and images.

5. Manage Orders:

- The admin should be able to view and manage all incoming orders.
- This module should provide information about the order status, customer details, order items, and delivery information.

6. View Feedbacks:

- The admin should have access to customer feedback and ratings. The feedback module should display user comments and ratings for different products and overall user experience.

7. Change Password:-

The admin should have the ability to change their password for security purposes. The system should enforce password strength requirements and provide a secure password change mechanism.

2. User Module - User Requirements:

1. Registration:

- Users should be able to create an account by providing necessary details such as name, email address, contact number, and password.
- The registration process should include validation checks to ensure the accuracy of user-provided information.

2. Login:

- Registered users should be able to log in to the application using their credentials.
- The login module should authenticate the user's identity and grant access to user-specific features and functionalities.

3. View Products:

- Users should be able to browse and search for various fruits and vegetables available in the online mart.
- The product listing should provide details such as name, description, price, availability, and images.

4. Make Order:

- Users should be able to select products, add them to a shopping cart, and proceed to place an order.
- The order module should capture details like quantity, preferred delivery date, and delivery address.

5. Manage Profile:

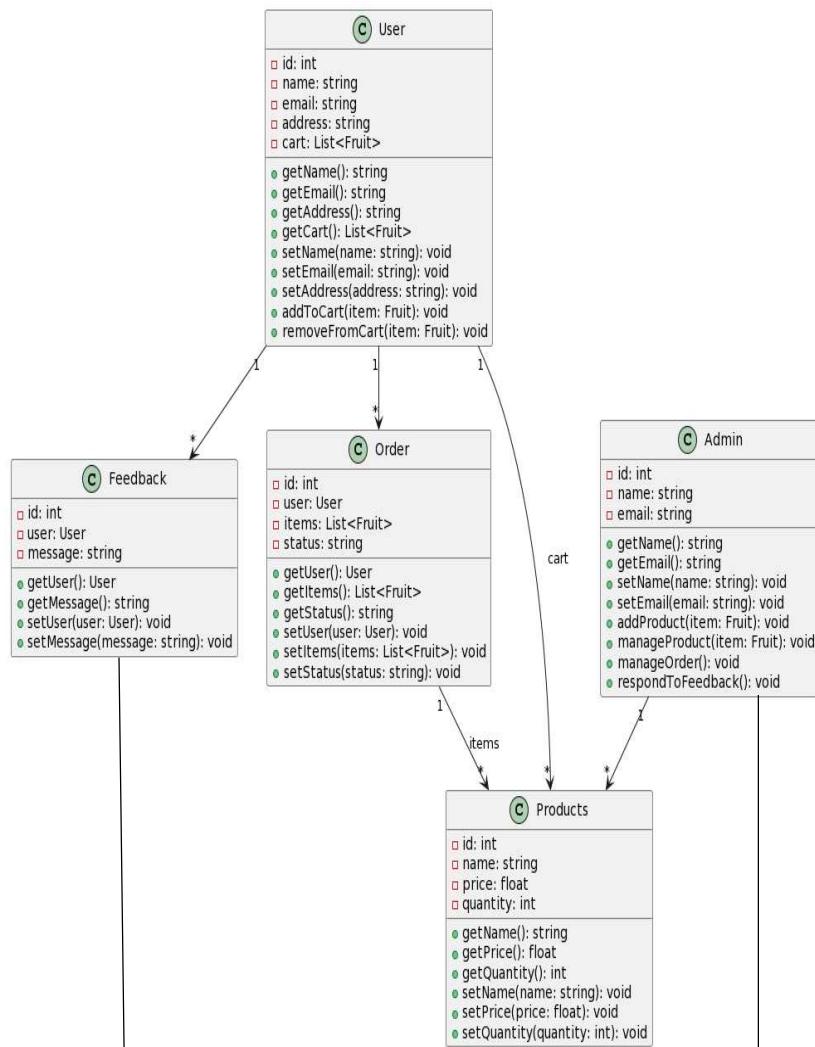
- Users should have the ability to view and update their profile information, including name, contact details, and delivery address.
- The profile management module should ensure data accuracy and provide an easy way to modify user details.

6. Give Feedback:

- Users should be able to provide feedback and ratings for the purchased products and overall user experience.
- The feedback module should include options for users to leave comments, rate products, and provide suggestions.

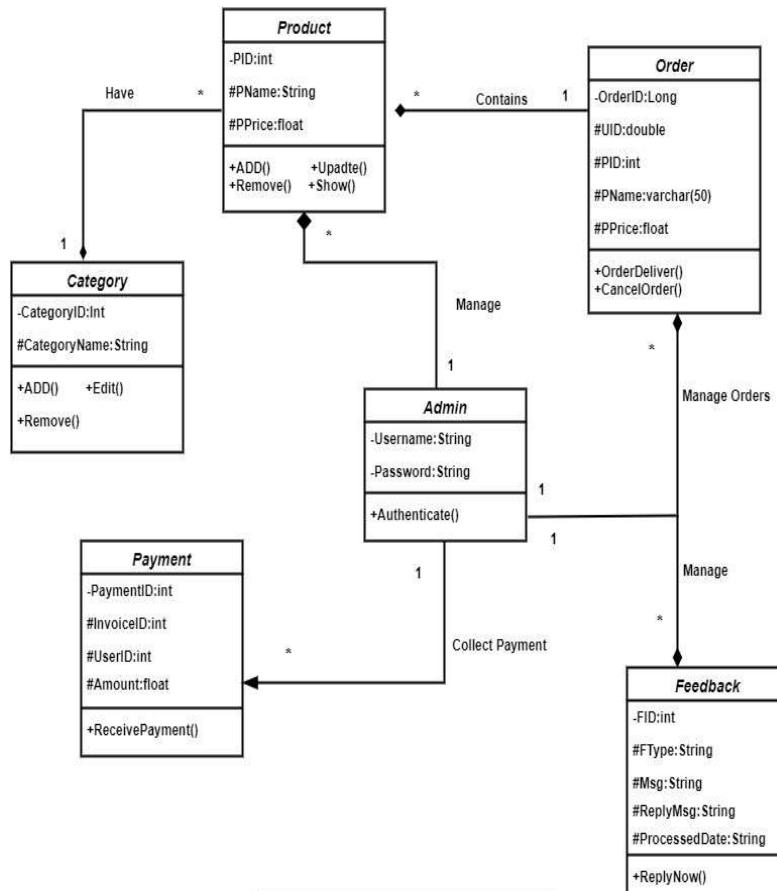
CHAPTER 3: ANALYSIS & DESIGN

3.1 Object Diagram



3.2 Class Diagram:

3.2.1) Admin Class Diagram



3.2.2) User Class Diagram

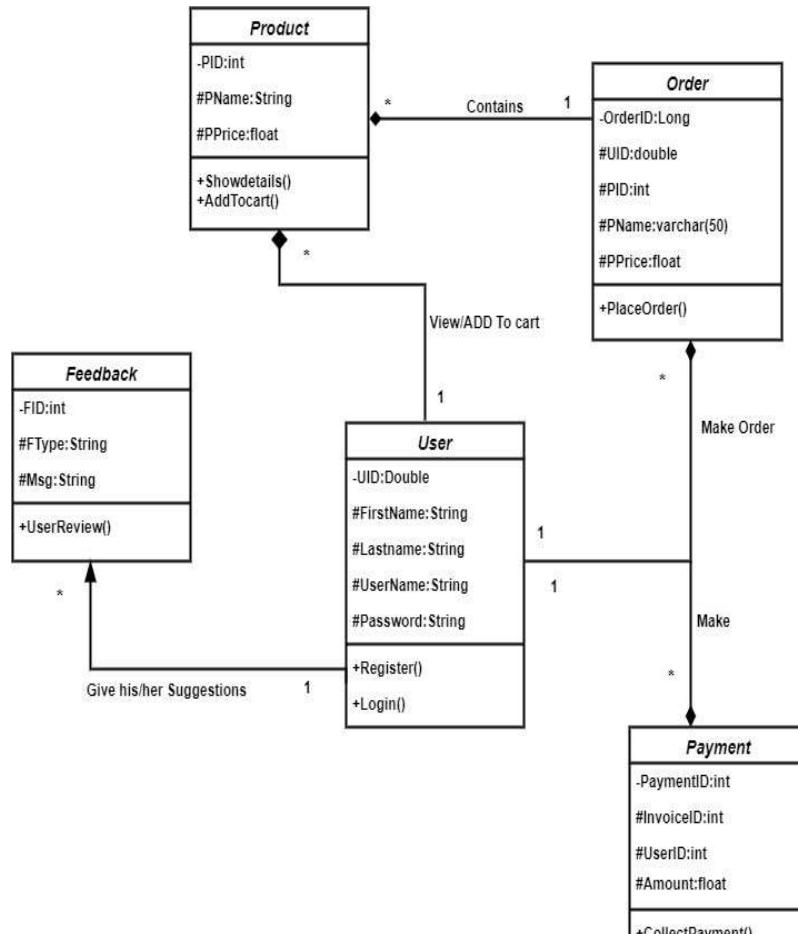


FIG: CLASS DIAGRAM FOR USER SIDE

3.3 Use Case Diagrams

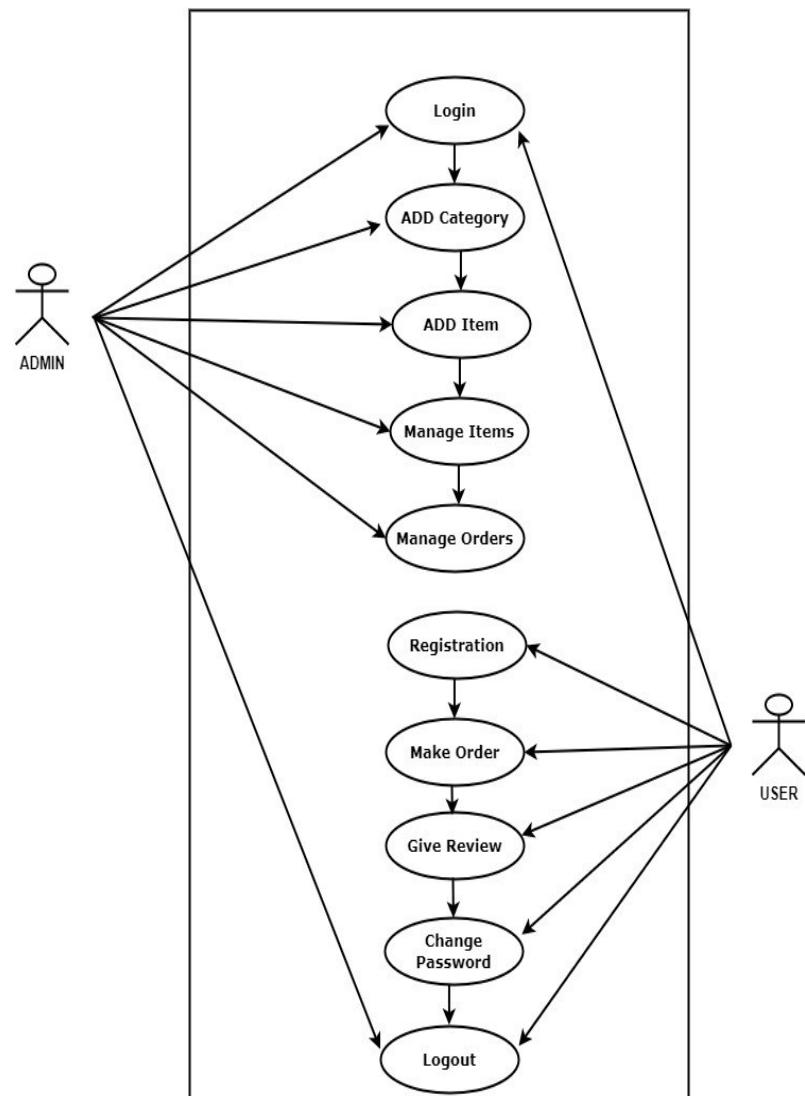
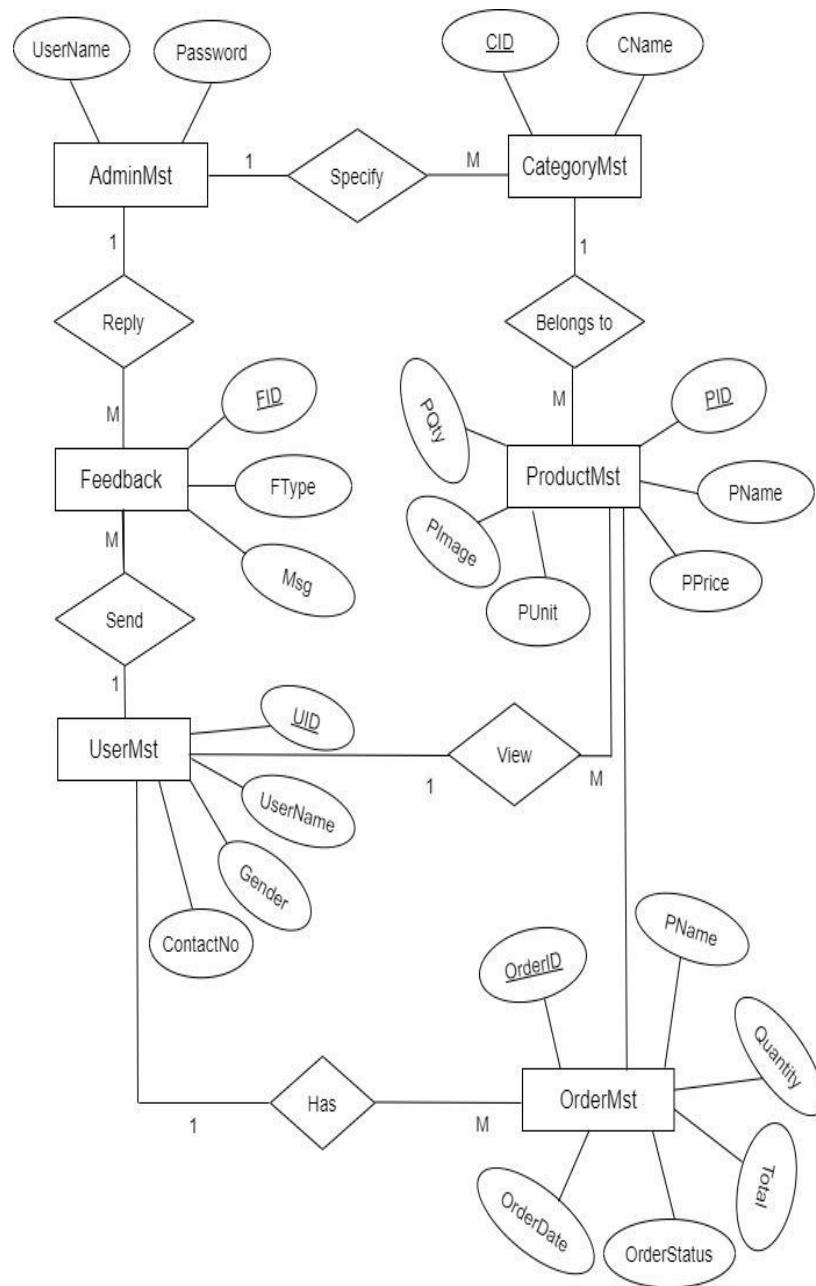


FIG: USE CASE DIAGRAM

3.4 ER Diagram



3.5 Activity Diagrams

3.5.1 User Activity Diagram

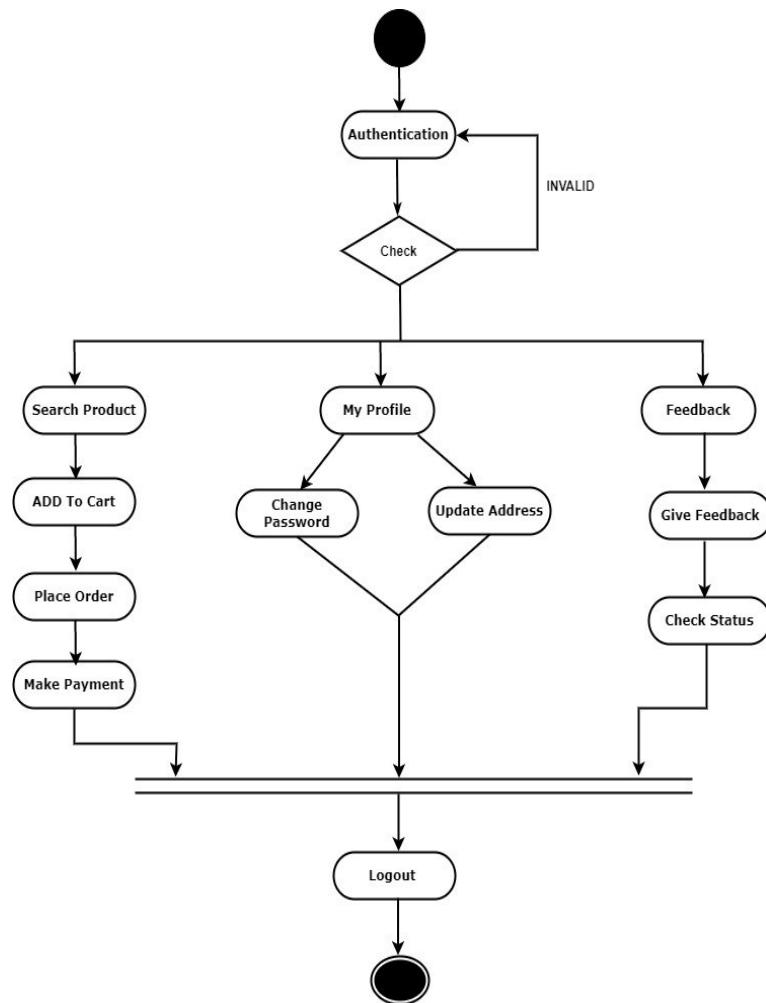


FIG: ACTIVITY DIAGRAM FOR USER SIDE

3.5.2 Admin Activity Diagram

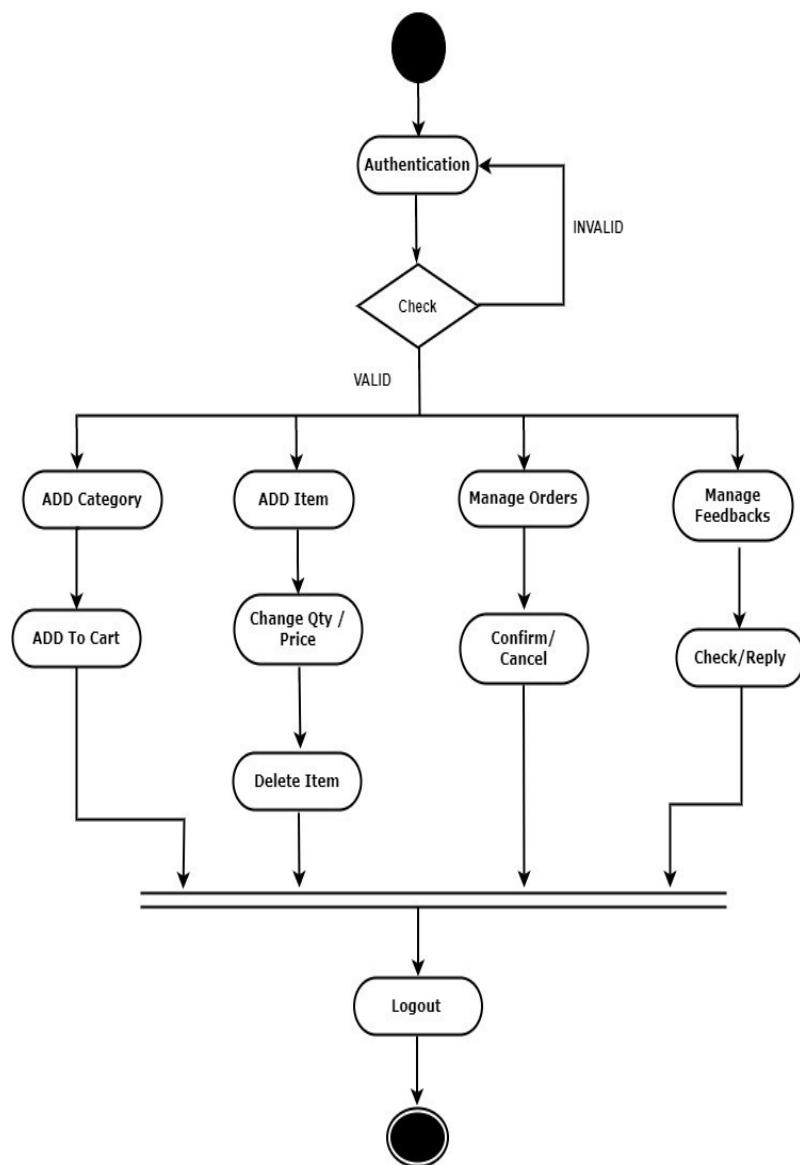
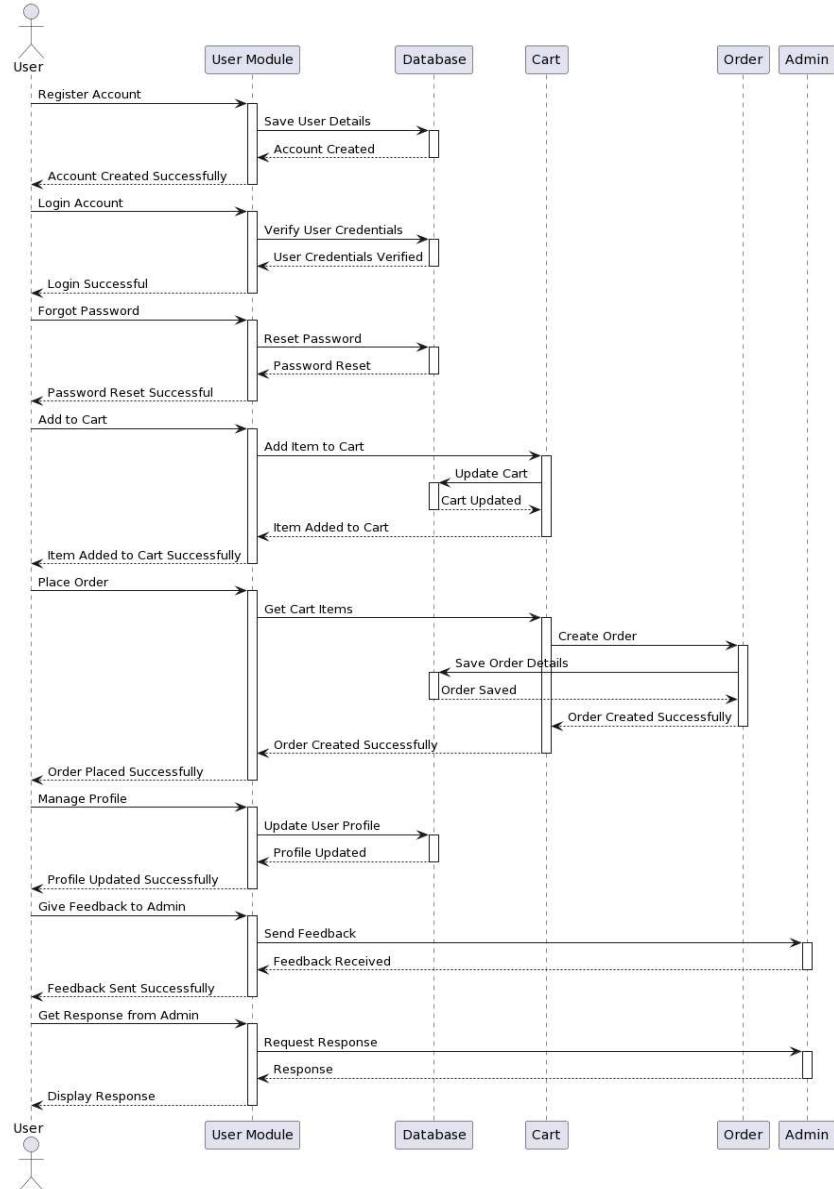


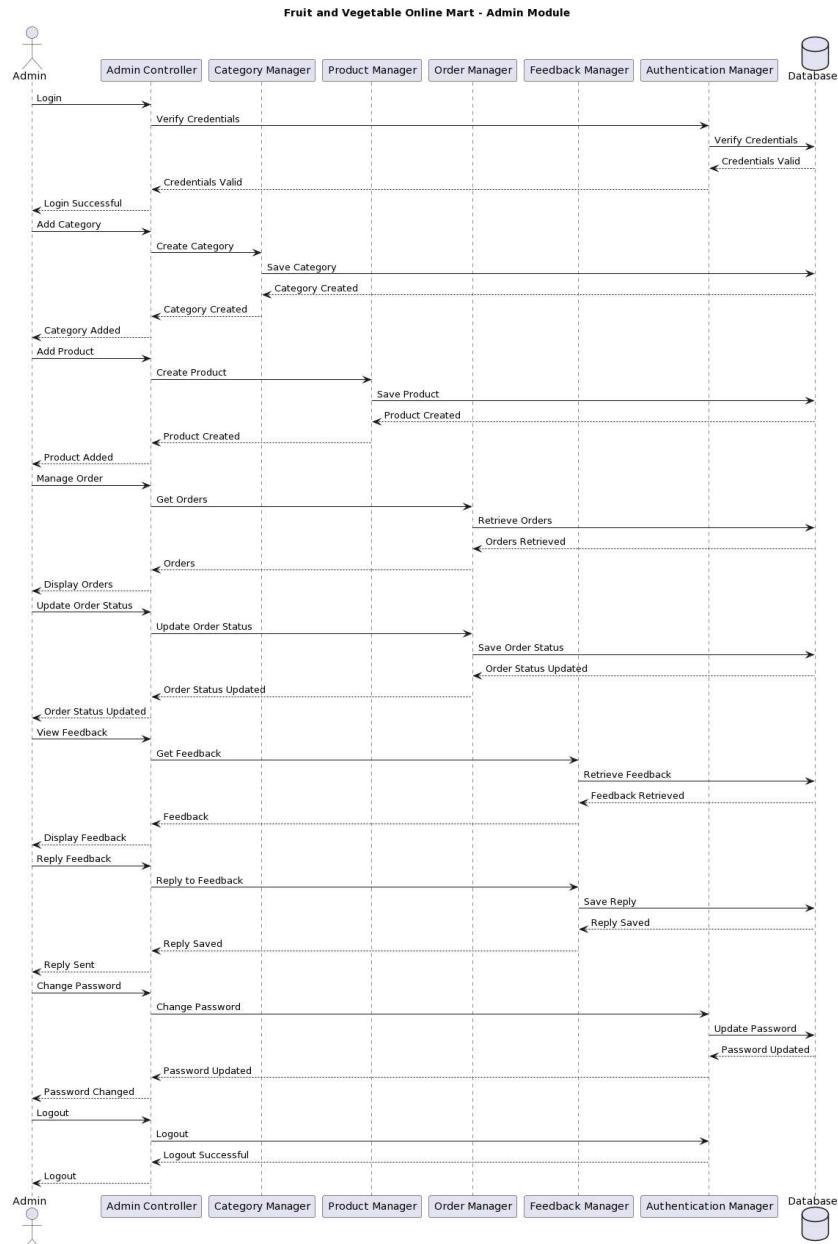
FIG: ACTIVITY DIAGRAM FOR ADMIN SIDE

3.5 Sequence Diagrams

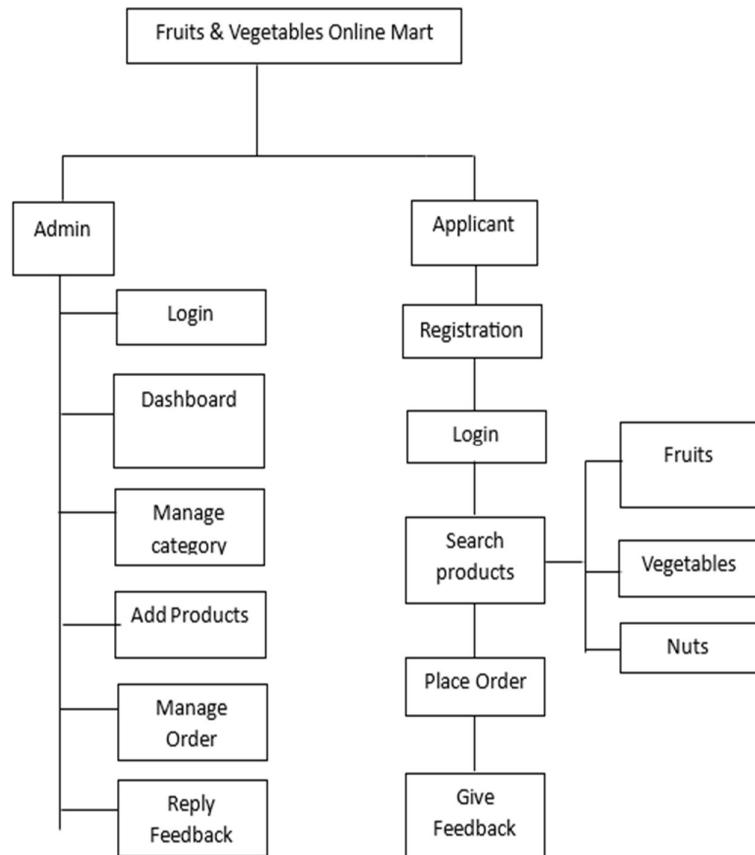
3.5.1 User Sequence Diagrams



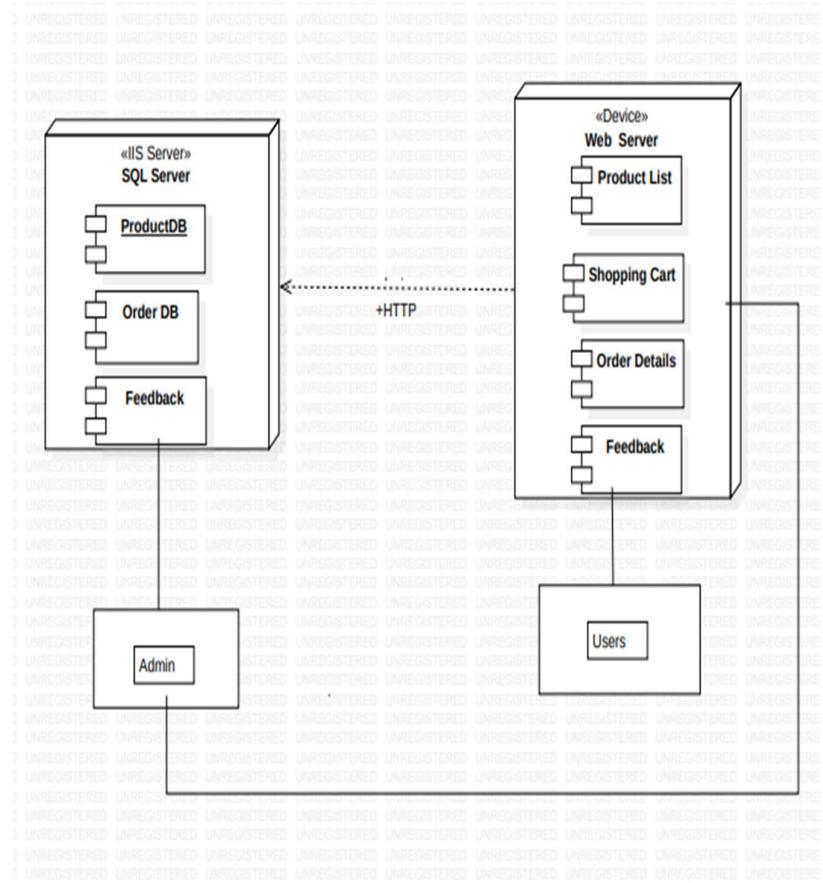
3.5.2 Admin Sequence Diagrams



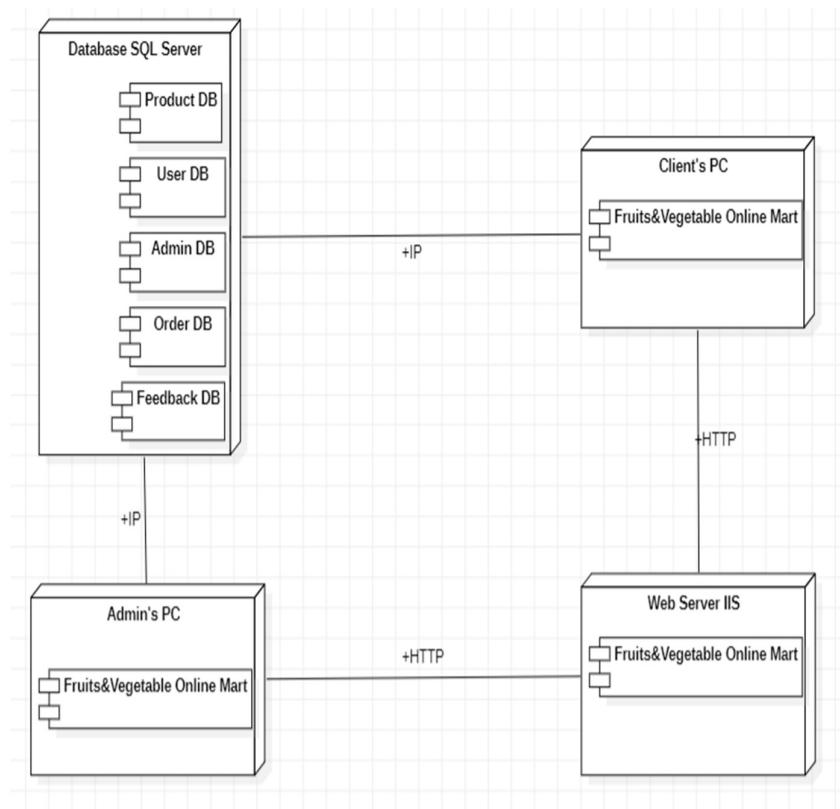
3.6 Module Hierarchy Diagram



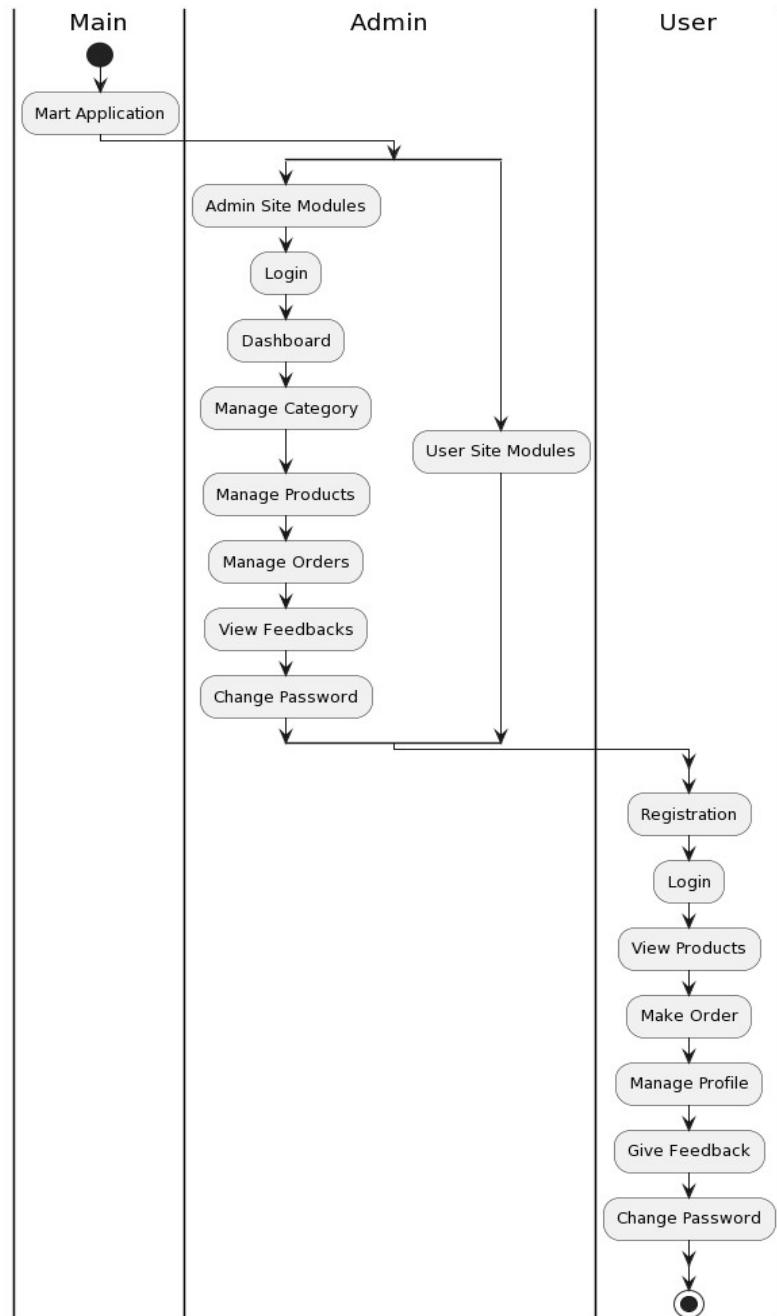
3.7 Component Diagram



3.8 Deployment Diagram

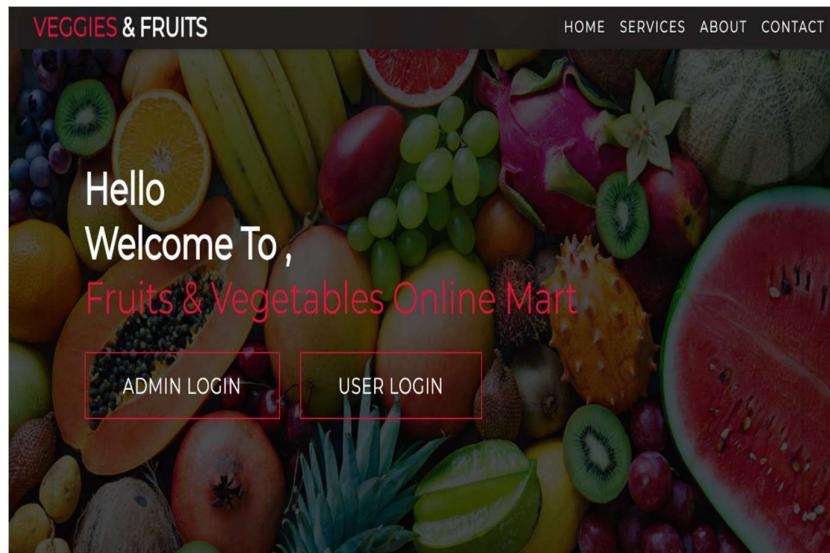


3.11 Web Site Map Diagram



3.10 User Interface Design

Home Page 1



Home Page 2

A screenshot of a website homepage for a fruit and vegetable mart. The header features the word "SERVICES" in large, bold, pink letters. Below it is a paragraph of text: "Coronavirus outbreak has made it impossible to step out and handpick veggies and fruits for the week. Well, fret not as these vegetable and fruit delivery services in Pune are here to deliver everything from Indian and exotic veggies to juicy seasonal fruits at your doorstep. So, shop away!"

The page is divided into four dark blue rectangular sections, each containing an image and text:

- FLAT 50% OFF ON 1ST ORDER**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Corporis debitis rerum, magni voluptatem sed architecto placeat beatae tenetur officia quod
- HOME DELIVERY**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Corporis debitis rerum, magni voluptatem sed architecto placeat beatae tenetur officia quod
- AVAILABLE IN CATEGORIES**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Corporis debitis rerum, magni voluptatem sed architecto placeat beatae tenetur officia quod
- FRESH IS OUR MOTO**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Corporis debitis rerum, magni voluptatem sed architecto placeat beatae tenetur officia quod

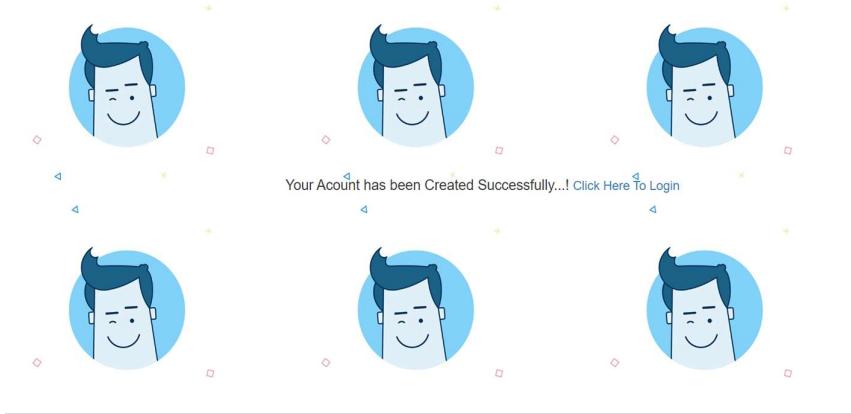
User Login



User Sign Up



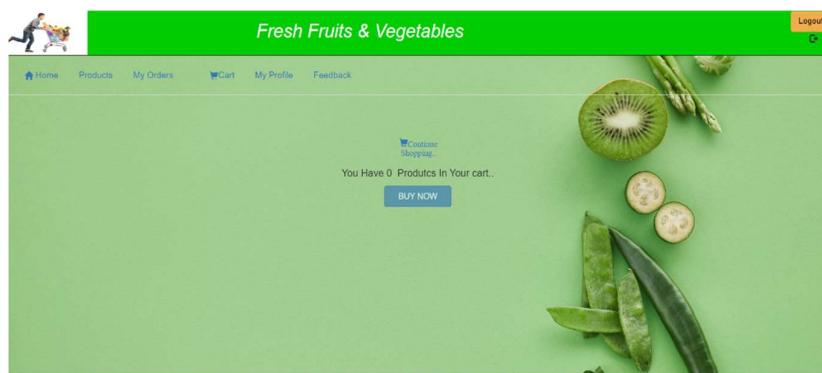
User Sign Up Completed



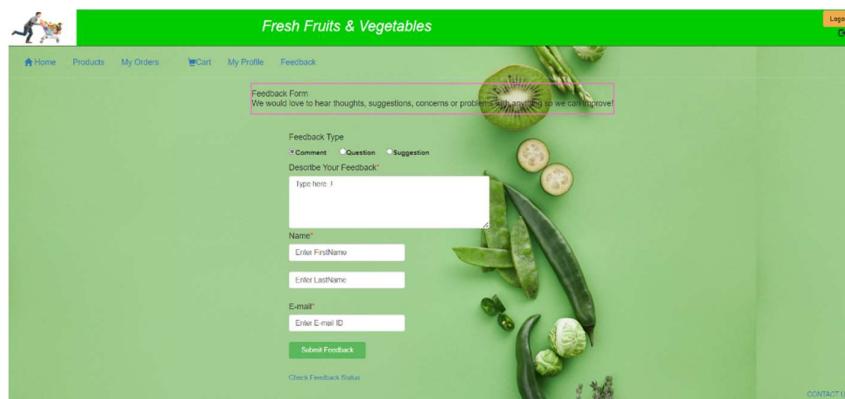
User Home Page



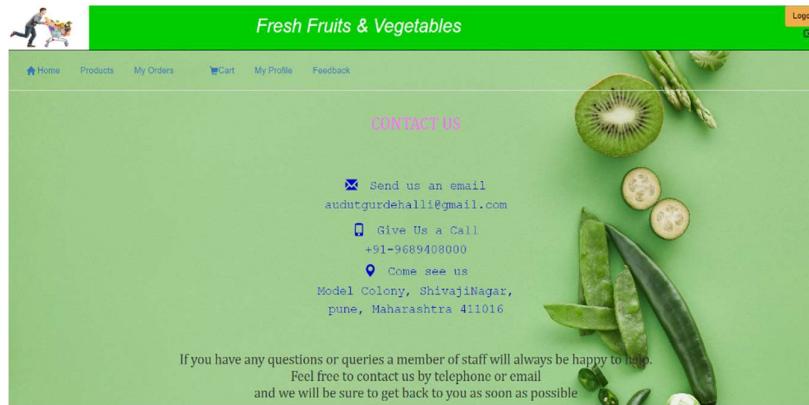
My Cart Page



User Feedback Page



Contact Us Page



User Password Recovery Page



3.11 Table specifications

AdminMst Table

Column Name	Data Type	Allow Nulls
<u>UserName</u>	Varchar(50)	NOT NULL
Password	Varchar(50)	NOT NULL

The above table stores the Admin UserName and Password

CategoryMst Table

Column Name	Data type	Allow Nulls
<u>CID</u>	Int	NOT NULL
CName	Varchar(50)	NOT NULL

The above table stores the category information.

ProductMst Table

Column Name	Data type	Allow Nulls
<u>PID</u>	Int	NOT NULL
PName	Varchar(50)	NOT NULL
CID	Int	NOT NULL
PDetail	Varchar(50)	NOT NULL
PPrice	Float	NOT NULL
PIImage	Nvarchar(MAX)	NOT NULL
PUnit	Varchar(50)	NOT NULL
PQty	Int	NOT NULL
EntryDate	date	NOT NULL

The above table stores the Product information.

UserMST Table

Column Name	Data type	Allow Nulls
<u>UID</u>	Numeric(18,0)	NOT NULL
FirstName	Varchar(50)	NOT NULL
LastName	Varchar(50)	NOT NULL
Gender	Varchar(50)	NOT NULL
Address	Varchar(50)	NOT NULL
City	Varchar(50)	NOT NULL
ContactNo	Varchar(50)	NOT NULL
DOB	Date	NOT NULL
SecQue	Varchar(50)	NOT NULL
SecAns	Varchar(50)	NOT NULL
UserName	Varchar(50)	NOT NULL
Password	Varchar(50)	NOT NULL

The above table stores the User information.

OrderMst Table

Column Name	Data Type	Allow Nulls
<u>OrderID</u>	Numeric(18,0)	NOT NULL
UID	Numerice(18,0)	NOT NULL
UserName	Varchar(50)	NOT NULL
PID	Int	NOT NULL
PName	Varchar(50)	NOT NULL
Quantity	Int	NOT NULL
Total	Float	NOT NULL
OrderStatus	Varchar(50)	NOT NULL
OrderDate	Datetime	NOT NULL

The above table stores the User Order details.

Feedback Table

Column Name	Date Type	Allow Nulls
<u>FID</u>	Numeric(18,0)	NOT NULL
UID	Int	NOT NULL
FType	Varchar(50)	NOT NULL
Msg	Varchar(50)	NOT NULL
FirstName	Varchar(50)	NOT NULL
LastName	Varchar(50)	NOT NULL
MailID	Varchar(50)	NOT NULL
Status	Varchar(50)	NOT NULL
Reply	Varchar(50)	NULL
EntryDate	Varchar(50)	NOT NULL

The above table stores the User Feedback Details and admin reply.

3.12 Module Specifications

Module Specifications for Fruit and Vegetable Online Mart

Admin Module:

1. Login:

- Allows the admin to log in to the application with valid credentials.
- Validates the admin's username and password.
- Provides error messages for invalid login attempts.

2. Dashboard:

- Displays a summary of key information and statistics related to the online mart.
- Provides an overview of recent orders, feedbacks, and other relevant data.
- May include graphical representations for better visualization.

3. Manage Category:

- Allows the admin to add, edit, and delete categories of fruits and vegetables.
- Provides a form to enter category details like name, description, and image.
- Validates the input and ensures uniqueness of category names.

4. Manage Products:

- Enables the admin to add, edit, and delete individual products within categories.
- Provides a form to input product details such as name, description, price, and image.
- Supports image uploads for product representations.
- Ensures proper categorization of products and validation of input data.

5. Manage Orders:

- Displays a list of orders placed by users.
- Provides functionalities to view order details, update order status, and track deliveries.
- Allows the admin to mark orders as completed or canceled.

6. View Feedbacks:

- Shows a list of feedback and reviews submitted by users.
- Provides options to filter, sort, and search feedbacks based on various criteria.
- Enables the admin to view individual feedback details and take appropriate actions.

7. Change Password:

- Allows the admin to change their password securely.
- Validates the current password and enforces password complexity rules.
- Provides confirmation upon successful password change.

User Module:

1. Registration:

- Enables new users to create an account by providing necessary details.
- Validates user input, including email format and password strength.
- May include options for social media registration and email verification.

2. Login:

- Allows registered users to log in to the application using their credentials.
- Authenticates user information and provides access to user-specific features.

3. View Products:

- Displays a catalog of available fruits and vegetables.
- Supports filtering and sorting based on category, price, and other attributes.
- Provides options to view individual product details, including descriptions and images.

4. Make Order:

- Allows users to select products, specify quantities, and add them to a shopping cart.
- Supports multiple products and quantities per order.

- Provides options for reviewing the cart, modifying quantities, and removing items.
- Facilitates the checkout process by collecting user information and delivery preferences.

5. Manage Profile:

- Allows users to update their personal information, including name, address, and contact details.
- Provides options to upload and manage profile pictures or avatars.
- Enables users to view and track their order history.

6. Give Feedback:

- Enables users to provide feedback and reviews for products or the overall shopping experience.
- Includes options for rating products and leaving comments.
- Ensures that feedback is associated with the relevant product or order.

7. Change Password:

- Allows users to change their account password.
- Requires verification of the current password for security purposes.

These module specifications outline the key functionalities and features for both the Admin and User modules of the Fruit and Vegetable Online Mart application.

CHAPTER 4: USER MANUAL

4.1 User Manual

Welcome to the user manual for the Fruit and Vegetable Online Mart Application! This manual will guide you through the various features and functionalities of the application. The application consists of two main modules: Admin module and User module. Each module has its own set of features to cater to the needs of administrators and users.

Admin Module:

1. Login: To access the admin functionalities, enter your credentials (username and password) on the login page.
2. Dashboard: Upon successful login, you will be directed to the dashboard, which provides an overview of the application's key statistics and activities.
3. Manage Category: In this section, you can add, edit, or delete categories for fruits and vegetables.

4. Manage Products: Here, you can manage the products available for sale. Add, edit, or delete products, including their details, prices, and images.
5. Manage Orders: This module allows you to view and manage all the orders placed by users. You can update the order status, mark orders as shipped, or cancel them if necessary.
6. View Feedbacks: Feedbacks submitted by users will be listed here. You can read and respond to feedback or take appropriate actions based on the feedback received.
7. Change Password: You can change your admin account password in this section for security purposes.

User Module:

1. Registration: New users need to register with the application by providing necessary details such as name, email, and password.
2. Login: Registered users can log in using their email and password to access the user functionalities.

3. View Products: Users can browse through the available fruits and vegetables. They can view product details, including descriptions, prices, and images.
4. Make Order: Users can select the desired products and place an order. They can specify the quantity and provide any additional instructions if required.
5. Manage Profile: Users can update their personal information, such as name, contact details, and address, in this section.
6. Give Feedback: Users can share their feedback about the products or the overall application experience. They can provide ratings and write comments.
7. Change Password: Users can change their account password in this section to ensure account security.

If you encounter any issues or have further questions, please contact our support team for assistance. Enjoy using the Fruit and Vegetable Online Mart Application!

4.2 Menu Explanation

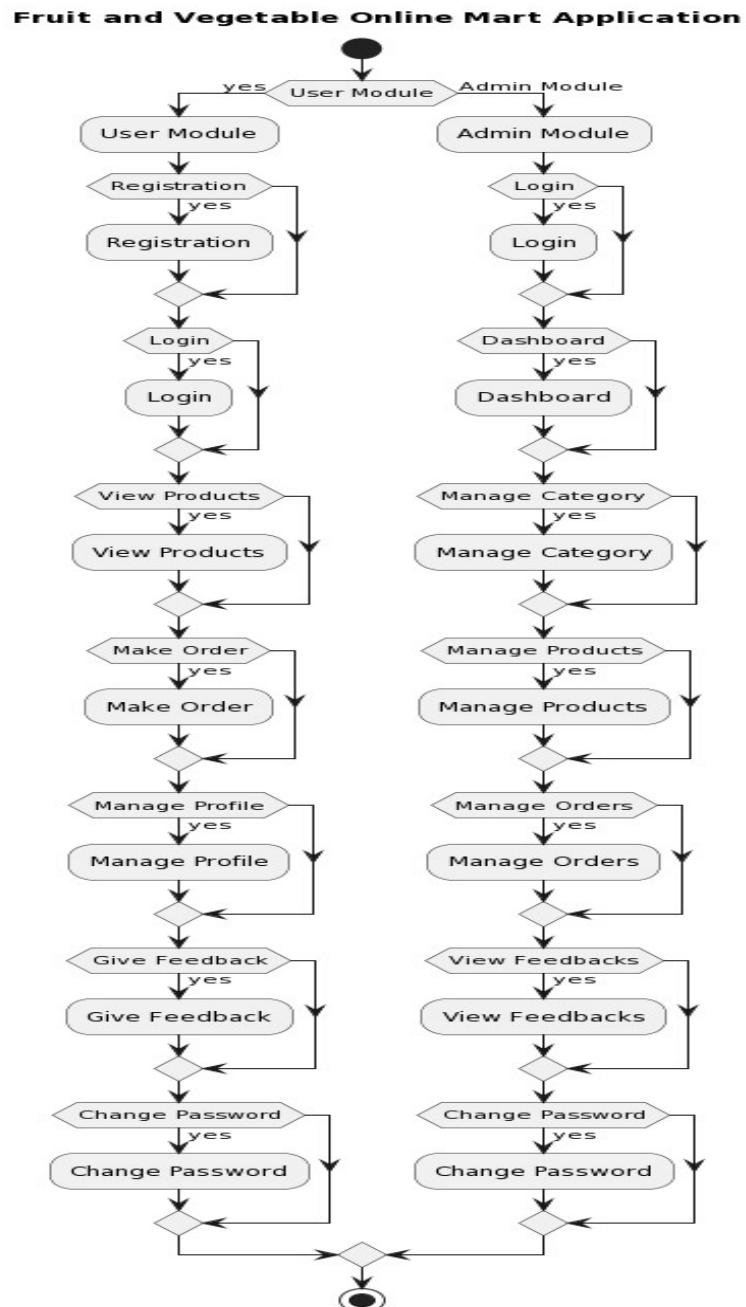
Admin Site Modules:

- Login: Access the admin account by entering the appropriate credentials.
- Dashboard: Get an overview of the online mart's performance, including sales, order status, and customer feedback.
- Manage Category: Add, edit, or delete categories to organize the fruits and vegetables available in the online mart.
- Manage Products: Add, edit, or remove specific products within each category. Update product details such as name, description, price, and availability.
- Manage Orders: Monitor and manage incoming orders, track their status, and update order information.
- View Feedbacks: Read and analyze customer feedback to improve the quality of service.
- Change Password: Update the admin account password for security purposes.

User Site Modules:

- Registration: Create a new user account by providing the necessary details such as name, email, and password.
- Login: Access the user account using the registered email and password.
- View Products: Browse through a wide range of fruits and vegetables available in different categories. View detailed product information, including images, prices, and descriptions.
- Make Order: Select the desired products, add them to the cart, and proceed to checkout to place an order. Choose the preferred delivery options and make payment.
- Manage Profile: Update personal information, such as name, address, and contact details.
- Give Feedback: Share your experience and provide feedback on the products or services received.
- Change Password: Modify the user account password to ensure security.

4.3 Flow Chart



Chapter 5. Testing

5.1 Test Strategy:

Test Strategy for Fruits and Vegetable Online Mart Website:

1. Requirement Analysis: Understand and analyze the website's functional and non-functional requirements related to the fruits and vegetable mart.
2. Test Scope: Define the scope of testing, including the modules, features, and user scenarios to be covered.
3. Test Environment Setup: Set up the testing environment with appropriate hardware, software, and test data representative of real-world scenarios.
4. Test Types:
 - a. Functionality Testing: Validate all the website's functions related to fruits and vegetables, such as browsing, searching, adding to cart, and checkout.
 - b. Usability Testing: Evaluate the website's user-friendliness and ease of use, ensuring a seamless experience for customers.

- c. Performance Testing: Measure the website's response time, page load speed, and scalability to handle concurrent users during peak times.
 - d. Security Testing: Verify the website's security measures to protect customer data and transactions.
 - e. Compatibility Testing: Test the website on various browsers, devices, and operating systems to ensure it works well across different platforms.
5. Test Data Preparation: Prepare relevant and diverse test data to cover different scenarios, such as different types of fruits, vegetables, and customer profiles.
6. Test Cases Design: Create detailed test cases covering all aspects of the website, including positive and negative scenarios.
7. Test Execution: Execute the test cases in the defined test environment and record the results.
8. Performance Optimization: Collaborate with the development team to address performance bottlenecks and optimize the website's speed and responsiveness.

5.2 Unit testing

Unit testing is a crucial aspect of software development for a fruits and vegetable online mart website. It helps ensure that individual units or components of the code are functioning correctly. Here are some important points to consider for unit testing in this context:

1. Identify Units:

In the context of a fruits and vegetable online mart website, the units to be tested would typically include individual functions, methods, or components that perform specific tasks within the website. Here are some examples of units that may need testing:

- Function to add a product to the cart
- Function to calculate the total cost of items in the cart
- Function to display the list of available fruits and vegetables
- Function to filter products based on categories or price ranges
- Function to process user registration and login

2. Boundary Value Analysis: Test inputs at the edges of their valid ranges. This helps identify potential issues with minimum and maximum values, such as prices, quantities, and product descriptions.
3. Error Handling: Test how the system handles unexpected inputs and errors. Ensure that the website provides appropriate error messages or gracefully recovers from unexpected situations.
4. Cart and Checkout Testing: Test the cart functionality to confirm that products are added and removed correctly. Additionally, test the checkout process to ensure smooth and accurate order processing.
5. Performance Testing: Although not strictly unit testing, it's essential to evaluate the website's performance to ensure it can handle the expected user load without significant slowdowns.

5.3 Accepting Testing

Accepting testing for a fruits and vegetable online mart website is crucial to ensure a seamless user experience and to gain the trust of customers.

1. User Acceptance Testing (UAT): Involves real users (clients or end-users) testing the system to validate whether it meets their needs and expectations.

2. User Interface (UI) Testing: Verify that the website's design is intuitive and user-friendly. Ensure that users can easily navigate through the site, access product categories, view product details, and complete the purchase process without any confusion.

3. Compatibility Testing: Check the website's compatibility across different devices (e.g., smartphones, tablets, desktops) and web browsers to ensure it functions correctly and displays properly on all platforms.

3. Product Information Accuracy: Validate that the product information, including images, descriptions, prices, and availability, is accurate and up-to-date. Inaccurate information can lead to customer dissatisfaction and lost sales.

5. Security Testing: Perform comprehensive security testing to safeguard customer data, payment details, and personal information from potential cyber threats. Implement SSL certificates and encryption to secure transactions and user interactions.

5.4 Test case:

Common Steps: 1. Open Browser

2. Enter URL: <localhost:57149/Landing Form.html>

Test case	Type	Description	Steps	Expected Result
TC1	Launch Website	Enter url to launch the website.	1.Open Browser 2.Enter URL: localhost:57149/Landing Form.html	User can see main interface of website
TC2	Login	Check login with valid username and password	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button	User can successfully login. Should display home page
TC3	Login	Check login with invalid username and valid password	3.Go to the "Sign In" page, put the invalid username & valid password & click the Login Button	Error message should display.
TC4	Login	Check login with valid username and invalid password	3.Go to the "Sign In" page, put the valid username & invalid password & click the Login Button	Error message should display.

Test case	Type	Description	Steps	Expected Result
TC5	Login	Check login with invalid username and invalid password	3.Go to the "Sign In" page, put the valid username & invalid password & click the Login Button	Error message should display.
TC6	Registration	Check registration of user with filling data	3.Go to the "Sign In" page. 4. Click on "Register Here" button 5.Put all necessary information 6. Click on "Sign up" Button	User registration should successful
TC7	Registration	Check registration of user without filling data	3.Go to the "Sign In" page. 4. Click on "New register" 5.Don't fill information 6. Click on "Sign up" Button	User registration should display error.

Test case	Type	Description	Steps	Expected Result
TC8	View Product Test	Verify that a user can view the available products.	3. Go to the "Sign In" page, put the valid credentials. & click the Login Button 4. Go to the "product" section.	User should see a list of available products.
TC9	Search Products.	Search Products according to user specification	3. Go to the "Sign In" page, put the valid credentials. & click the Login Button. 4. Click on "Search"	User should display the Products as per requirements.

Test case	Type	Description	Steps	Expected Result
TC10	Make Order	Verify that a user can make an order for selected products.	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button.</p> <p>4. Click on “Products”</p> <p>5. Add some Products to the cart.</p> <p>6. Go to the “Place Order”</p> <p>5. Download invoice to click on Pdf icon.</p>	User Should receive an order confirmation and the order should be recorded in the system database.
TC11	Manage Profile Test	Verify that a user can edit their profile information.	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button.</p> <p>4. Click on “My Profile”</p> <p>5.Edit the profile information</p> <p>6.Save the changes.</p>	The User data should be updated successfully.

Test case	Type	Description	Steps	Expected Result
TC12	Feedback Test	Verify the user give feedback on products or shopping experience.	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button.</p> <p>4. Click on "Feedback" section</p> <p>5.Provide feedback and submit it.</p>	The user's feedback should be recorded in the system.
TC13	See Contact us	Check contact us page	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button.</p> <p>4. Click on "Contact Us"</p>	User should display contact page
TC14	Logout Account	Check the account is properly logged out or not	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button.</p> <p>4. Click on logout icon.</p>	Account should be logout successfully.

Test case	Type	Description	Steps	Expected Result
TC15	Admin login	Check admin should properly login or not	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button	Admin dashboard should display.
TC16	Admin Login Failure Test	Check that the admin can not log in with invalid credentials.	3.Go to the "Sign In" page, put the invalid credentials & click the Login Button.	The system should display invalid admin.
TC17	Admin Dashboard	Check that the admin dashboard display relevant information and links to other modules.	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button 4.Check the dashboard page.	The dashboard should show important statistics and links to manage categories, products, orders, feedback and change password.

Test case	Type	Description	Steps	Expected Result
TC18	Add Category	Check admin should add Category or not	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button 4.Click on add category 5.Edit an existing category and delete a category.	Admin should display successful message.
TC19	Add Product Test	Check that the admin can add product.	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button. 4.Go to the “Product Entry” section. 5.Add a new product.	The products should be added successfully.
TC20	Manage Products Test	Verify that admin can edit and delete products.	3.Go to the "Sign In" page, put the valid credentials. & click the Login Button. 4.Go to the “Products detail” Section.	The products should be edited and deleted successfully.

Test case	Type	Description	Steps	Expected Result
TC21	Manage Order Test	Verify that the admin can view and manage user orders.	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button</p> <p>4.Go to the "View Orders" section.</p> <p>5.View and update the status of different orders.</p>	The admin should be able to view and modify order statuses.
TC22	View Feedback Test	Verify that the admin can view user feedbacks and also replies on that feedback	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button</p> <p>4.Go to the "View Feedbacks" section.</p> <p>5.Click on reply button and reply it according to the given feedback from user.</p>	The admin should be able to see all user feedback and reply it successfully.

Test case	Type	Description	Steps	Expected Result
TC23	Change Password	Verify that the admin can change their password	<p>3.Go to the "Sign In" page, put the valid credentials. & click the Login Button</p> <p>4.Go to the "Change Password" section.</p> <p>5.Enter the current password, new password and confirm new password.</p> <p>6. save changes.</p>	The admin's password should be updated successfully.

Drawbacks and Limitations

Here are some potential drawbacks and limitations of Online Mart Application:

1. Limited sensory experience: One major limitation of an online mart application is the inability for users to physically inspect or interact with the fruits and vegetables before purchasing. Users have to rely solely on product descriptions, images, and reviews, which may not provide a complete sensory experience.

2. Quality and freshness concerns: Since users cannot personally select the fruits and vegetables, there is a risk of receiving items that do not meet their expectations in terms of quality, freshness, or ripeness. The lack of control over the selection process can be a drawback.

3. Limited product variety: Online marts may not offer the same extensive range of fruits and vegetables as physical stores. Users may encounter limitations in terms of seasonal availability, regional produce, and unique or niche items.

4. Delivery delays and logistical challenges: Ensuring timely and efficient delivery of fresh fruits and vegetables can be challenging. Factors such as traffic, weather conditions, and logistics may contribute to delivery delays, impacting the overall user experience.

5. Dependency on technology: Online marts rely heavily on technology, including stable internet connections and functioning mobile or computer devices. Technical issues, network outages, or device malfunctions can disrupt the user experience and hinder access to the application.

6. Limited personal interaction: Users may miss the personalized assistance and recommendations that they could receive from knowledgeable staff in physical stores. Online mart applications often lack the direct human interaction that can help users make informed decisions.

Proposed Enhancements

Proposed Enhancements for the Fruit and Vegetable Online Mart

Application:

1. Admin Module Enhancements:

- Improve login process with multi-factor authentication for enhanced security.
- Introduce an advanced search and filter functionality for managing categories and products.
- Enhance order management with features like order status updates and order tracking.
- Enable email notifications for new orders, low stock alerts, and order status changes.
- Enhance the change password functionality with password strength validation and password reset options.

2. User Module Enhancements:

- Implement an intuitive and user-friendly order placement process with a step-by-step guide.
- Integrate popular online payment gateways for seamless and secure online transactions.
- Enhance the feedback submission process with rating options and the ability to upload images.
- Provide options for users to track their order status and view order history.

3. Online Payment Gateway Integration:

- Research and integrate popular online payment gateways such as PayPal, Stripe, or Braintree.
- Ensure secure payment processing by implementing SSL certificates and encryption.
- Offer various payment options like credit/debit cards, net banking, and digital wallets.

Conclusions

In conclusion, the fruit and vegetable online mart application is a comprehensive platform that caters to both administrators and users, providing a seamless experience for buying and selling fresh produce. The application is divided into two main modules: the Admin module and the User module.

The fruit and vegetable online mart application serves as an efficient platform for both administrators and users. It empowers administrators with the tools needed to manage the mart effectively, while providing users with a user-friendly interface to explore, order, and provide feedback on fresh produce. By integrating these features, the application strives to enhance the overall experience of buying and selling fruits and vegetables online.

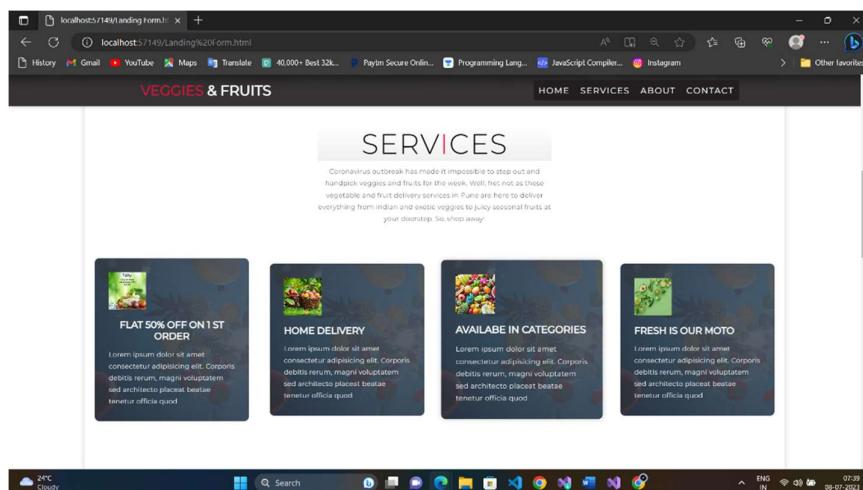
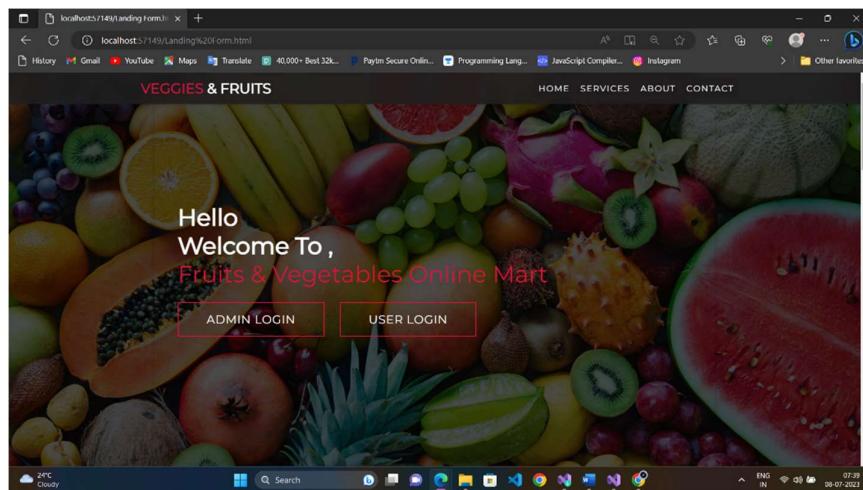
Bibliography

- ✓ <https://www.c-sharpcorner.com>
- ✓ <https://www.w3schools.com>
- ✓ <https://www.tutorialspoint.com/asp.net>
- ✓ <https://www.codeproject.com>
- ✓ <https://www.c-sharpcorner.com>
- ✓ <https://www.youtube.com>

ANNEXURE

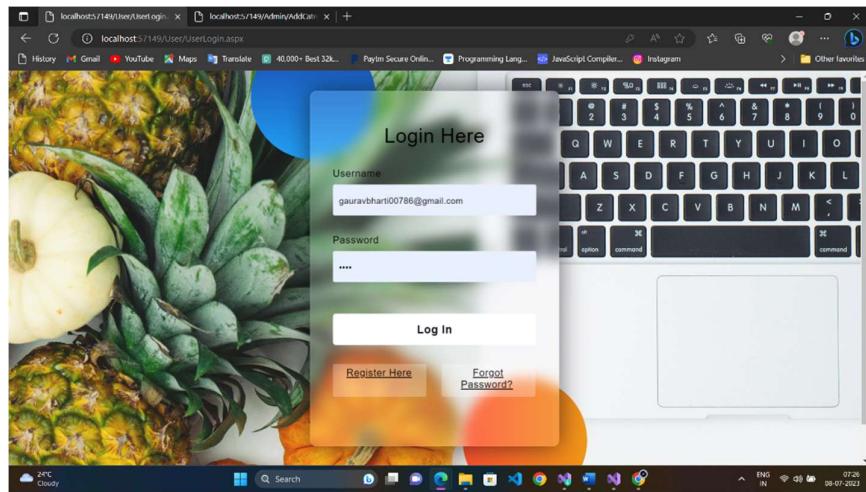
Annexures 1: User Interface Screens

Home Screen Design

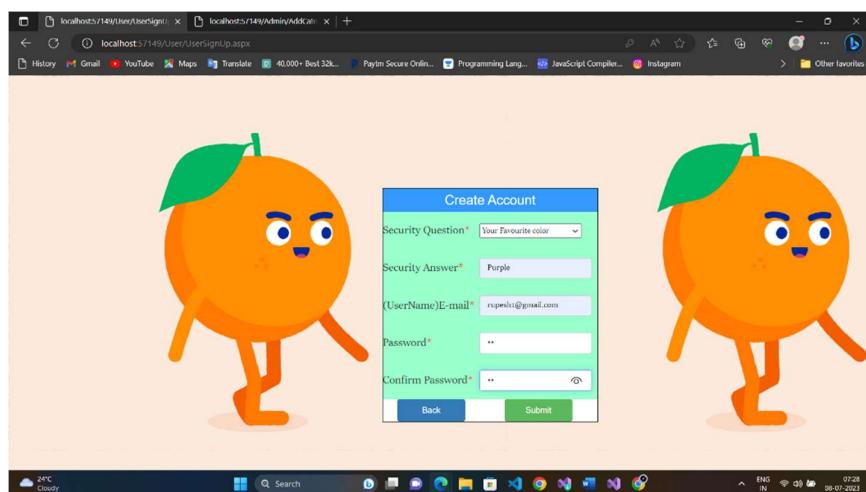


User Side Screens

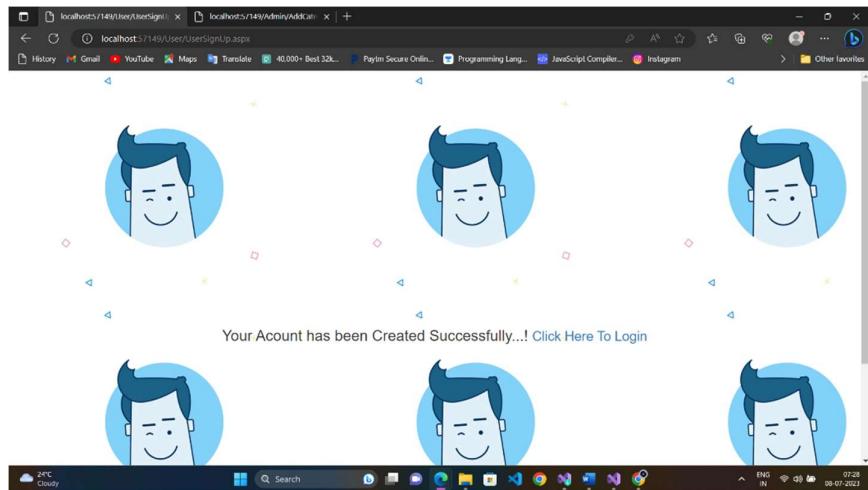
1. User Login



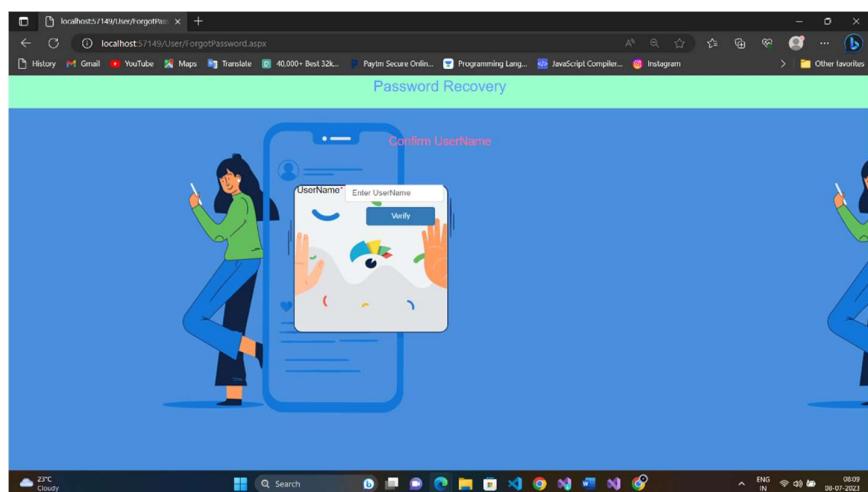
2. User Sign Up



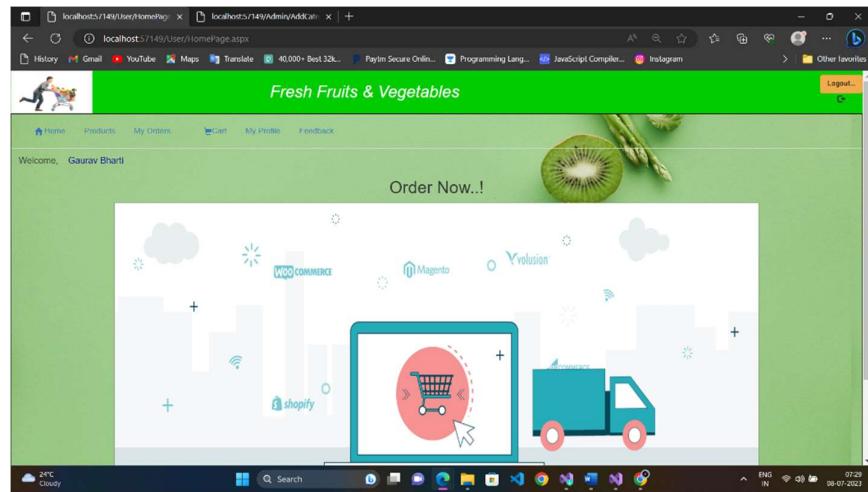
3. User Sign Up Completed



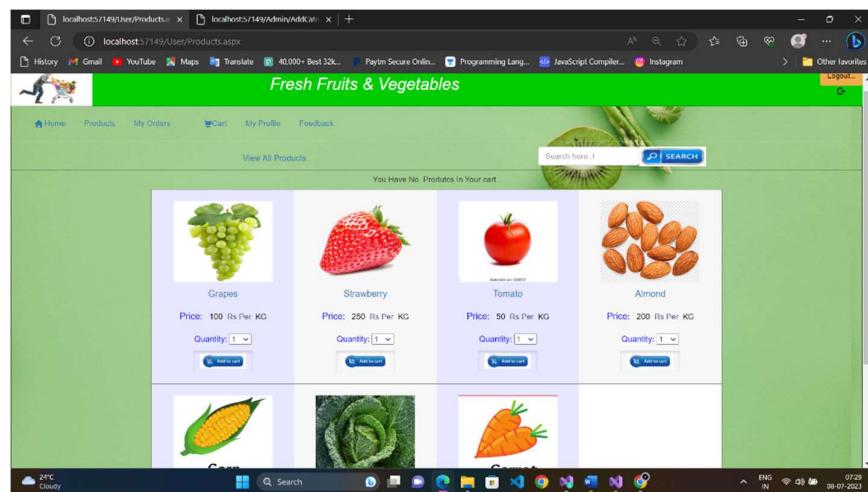
4. User Password Recovery



5. User Home Screen



6. Product Screen



7.My Order Screen

The screenshot shows a web browser window titled "localhost:7149/User/MyOrders.aspx". The page header "Fresh Fruits & Vegetables" is visible, along with a user icon and a "Logout" link. Below the header, there is a navigation bar with links for Home, Products, My Orders, Cart, My Profile, and Feedback. A sidebar on the left displays a small illustration of a person pushing a shopping cart. The main content area contains a table titled "Total Orders: 5". The table has columns for Order ID, Product ID, Product Name, Quantity, Total, Order Status, and Order Date. The data in the table is as follows:

Order ID	Product ID	Product Name	Quantity	Total	Order Status	Order Date
40018	2034	Strawberry	1	250	Pending	08-07-2023 07:30:48
30026	2037	Corn	1	50	Delivered	06-07-2023 16:34:22
30025	2033	Almond	1	300	Cancelled	06-07-2023 16:02:34
30024	2032	Grapes	1	100	Delivered	06-07-2023 15:57:44
30023	2031	Grapes	1	100	Cancelled	06-07-2023 15:55:36

Below the table, a message "Pending Orders" is displayed. The browser's status bar at the bottom shows the date and time as 08-07-2023.

8.Add Cart Screen

The screenshot shows a web browser window titled "localhost:7149/User/Cart.aspx". The page header "Fresh Fruits & Vegetables" is visible, along with a user icon and a "Logout" link. Below the header, there is a navigation bar with links for Home, Products, My Orders, Cart, My Profile, and Feedback. A sidebar on the left displays a small illustration of a person pushing a shopping cart. The main content area contains a message "You Have 1 Products In Your cart..." above a table. The table has columns for Sr. No, ID, Image, Product Name, Price, Quantity, and Total Price. The data in the table is as follows:

Sr. No	ID	Image	Product Name	Price	Quantity	Total Price
1	2034		Strawberry	250	1	250

Below the table, a "BUY NOW" button is visible. The browser's status bar at the bottom shows the date and time as 08-07-2023.

9.My Orders Screen

The screenshot shows a web browser window for 'localhost:7149/User/MyOrders.aspx'. The page title is 'Fresh Fruits & Vegetables'. At the top, there is a navigation bar with links for Home, Products, My Orders, Cart, My Profile, and Feedback. A logo of a person pushing a shopping cart is visible. Below the navigation, a message says 'Total Orders: 5'. A table lists five pending orders:

Order ID	Product ID	Product Name	Quantity	Total	Order Status	Order Date
40018	2034	Strawberry	1	250	Pending	08-07-2023 07:30:48
30026	2037	Corn	1	50	Delivered	06-07-2023 16:34:22
30025	2033	Aimond	1	300	Cancelled	06-07-2023 16:02:34
30024	2032	Grapes	1	100	Delivered	06-07-2023 15:57:44
30023	2031	Grapes	1	100	Cancelled	06-07-2023 15:55:36

Below the table, a link 'Pending Orders' is visible. The browser's address bar shows 'localhost:7149/User/MyOrders.aspx'. The system tray at the bottom indicates it's 08:34 on 08-07-2023.

10.My Profile Screen

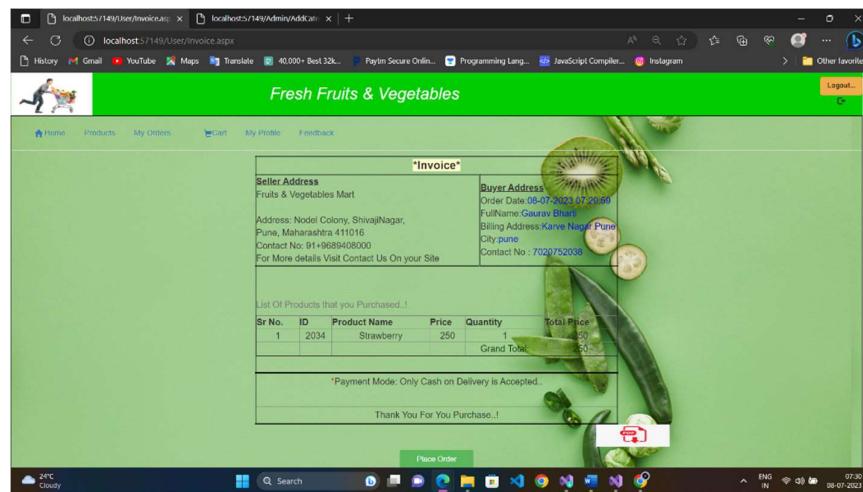
The screenshot shows a web browser window for 'localhost:7149/User/Profile.aspx'. The page title is 'Fresh Fruits & Vegetables'. The navigation bar is identical to the previous screen. The main content area has tabs for 'About You' and 'Personal Details'. Under 'Personal Details', the user's information is listed:

- First Name: Gaurav
- Last Name: Bharti
- Email-ID: gauravbharti90786@gmail.com
- Date of Birth: 22-06-2000

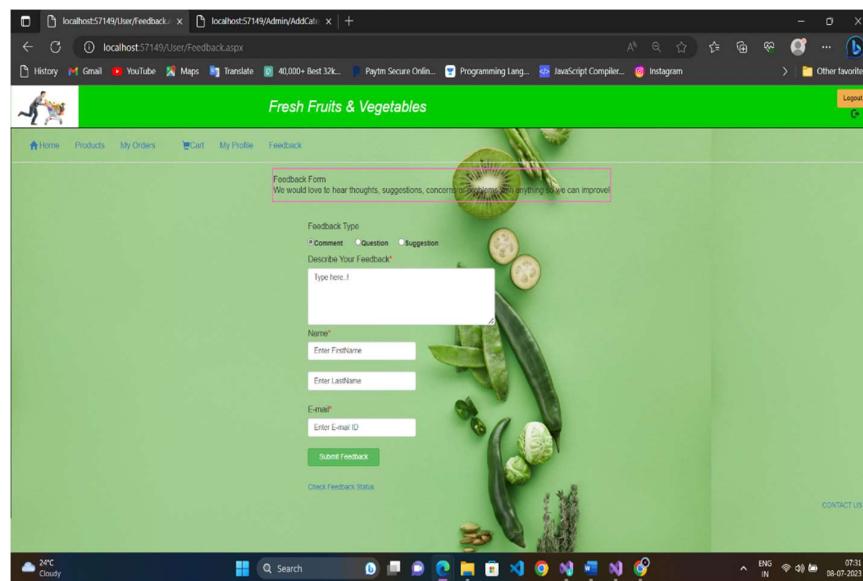
Below this, there is a section for 'Contact Details ... Do You Want To Edit?'. It includes fields for Address, City, Pincode, and Contact No., each with a 'Save Changes' button. There is also a 'Do You Want to Change your Password?' section with fields for Current Password, New Password, and Confirm Password.

The browser's address bar shows 'localhost:7149/User/Profile.aspx'. The system tray at the bottom indicates it's 07:31 on 08-07-2023.

11.Order Place Screen

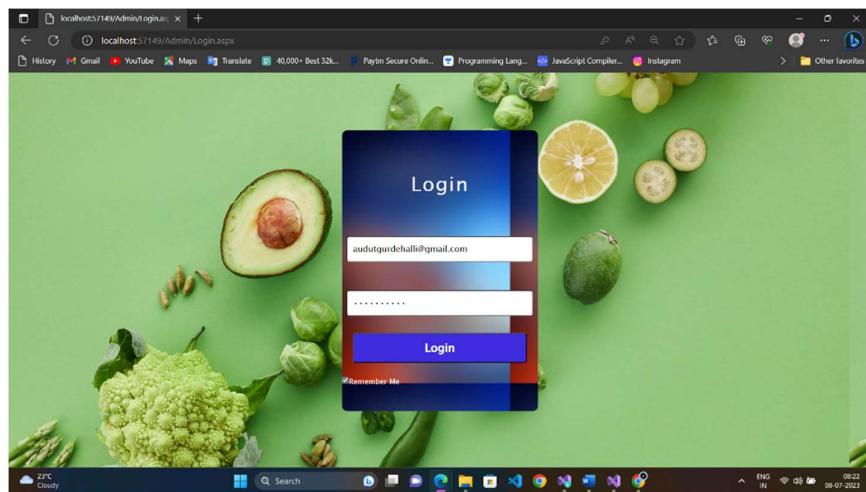


12.Feedback Screen

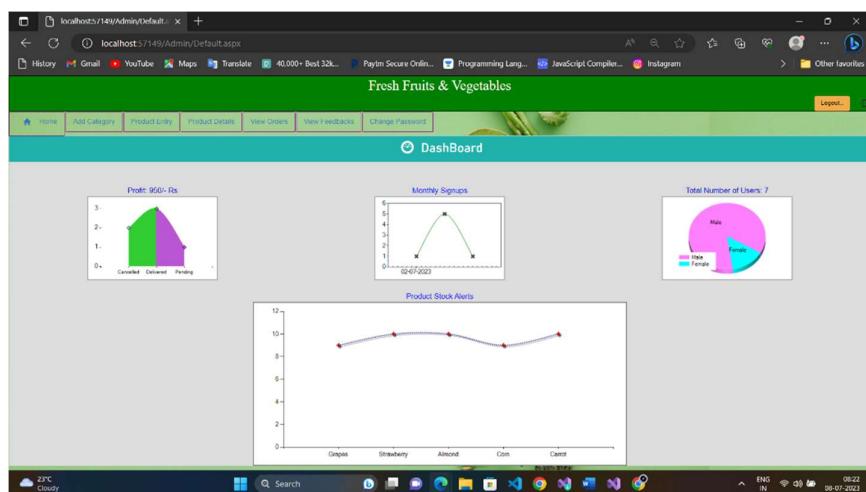


Admin Side Screens

1. Admin Login Screen



2. Dashboard Screen



3. Manage Category

ID	Category Name	Edit	Delete
25	Groceries		
27	Vegetable		
1030	Fruits		
1031	nuts		

4. Add Product

Product Name* Apple

Category* Nuts

Price* 300

Quantity* 10 250CM

Description* Sweet

Image Choose file apple.jpg

5. Product Details

The screenshot shows a web application titled "Fresh Fruits & Vegetables" with a "Product Details" section. The table displays the following data:

ID	Image	Name	Category ID	Price	Quantity	Unit	Description	Entry Date	Edit	Delete
2032		Grapes	1030	100	9	KG	Grapes are the most widely produced commercial fruit crop in the world.	06-07-2023		
2034		Strawberry	1030	250	10	KG	Fresh and raw	06-07-2023		
2035		Tomato	27	50	20	KG	For some of our visitors, a good tomato tops even the sweetest peach or strawberry	06-07-2023		
2036		Almond	1031	200	10	KG	Almonds are commonly called nuts, but they are actually seeds. They come from a tree that is closely related to the peach tree.	06-07-2023		
2037		Corn	27	50	9	250GM	Good for health	06-07-2023		

6. View Order

The screenshot shows a web application titled "Fresh Fruits & Vegetables" with a "View Orders" section. The table displays the following data:

Order ID	User ID	User Name	Product ID	Product Name	Quantity	Total	Order Status	Order Date	Update
40018	20006	gauravbharti00786@gmail.com	2034	Strawberry	1	250	Pending	08-07-2023 07:30:48	

7. View Order History

The screenshot shows a web browser window titled "localhost:149/Admin/ViewAllOrders.aspx". The page has a header "Fresh Fruits & Vegetables" and a navigation menu with links like Home, Add Category, Product Entry, Product Details, View Orders, View Feedbacks, and Change Password. A "Logout..." button is also present. The main content area is titled "All Orders" and contains a table with the following data:

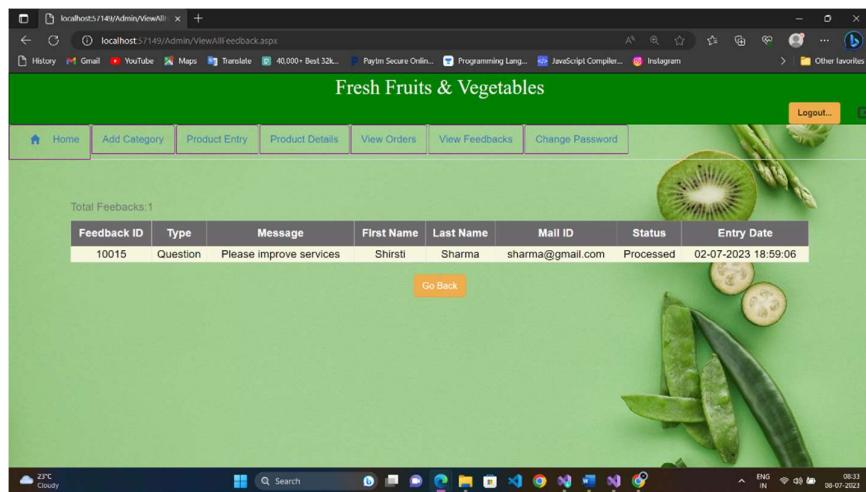
Order ID	User ID	User Name	Product ID	Product Name	Quantity	Total	Order Status	Order Date
40018	20006	gauravbharti00786@gmail.com	2034	Strawberry	1	250	Pending	08-07-2023 07:30:48
30026	20006	gauravbharti00786@gmail.com	2037	Corn	1	50	Delivered	06-07-2023 16:34:22
30025	20006	gauravbharti00786@gmail.com	2033	Almond	1	300	Cancelled	06-07-2023 16:02:34
30024	20006	gauravbharti00786@gmail.com	2032	Grapes	1	100	Delivered	06-07-2023 15:57:44
30023	20006	gauravbharti00786@gmail.com	2031	Grapes	1	100	Cancelled	06-07-2023 15:55:36
30021	30005	sharma@gmail.com	2029	Raisin	1	800	Delivered	03-07-2023 20:09:43

At the bottom of the table is an orange "Go Back" button.

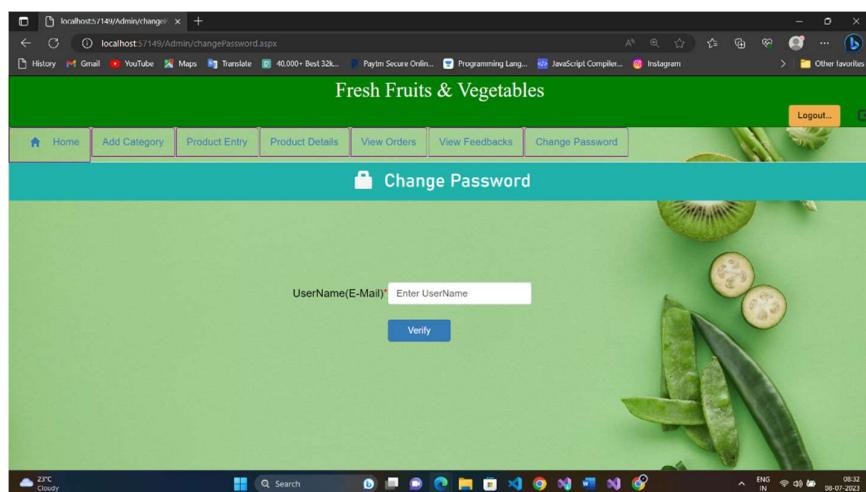
8. Feedback Screen

The screenshot shows a web browser window titled "localhost:57149/Admin/Feedback.aspx". The page has a header "Fresh Fruits & Vegetables" and a navigation menu with links like Home, Add Category, Product Entry, Product Details, View Orders, View Feedbacks, and Change Password. A "Logout..." button is also present. The main content area is titled "View Feedbacks" and contains a message "No Pending Replies Available..!"

9. View Feedback Screen

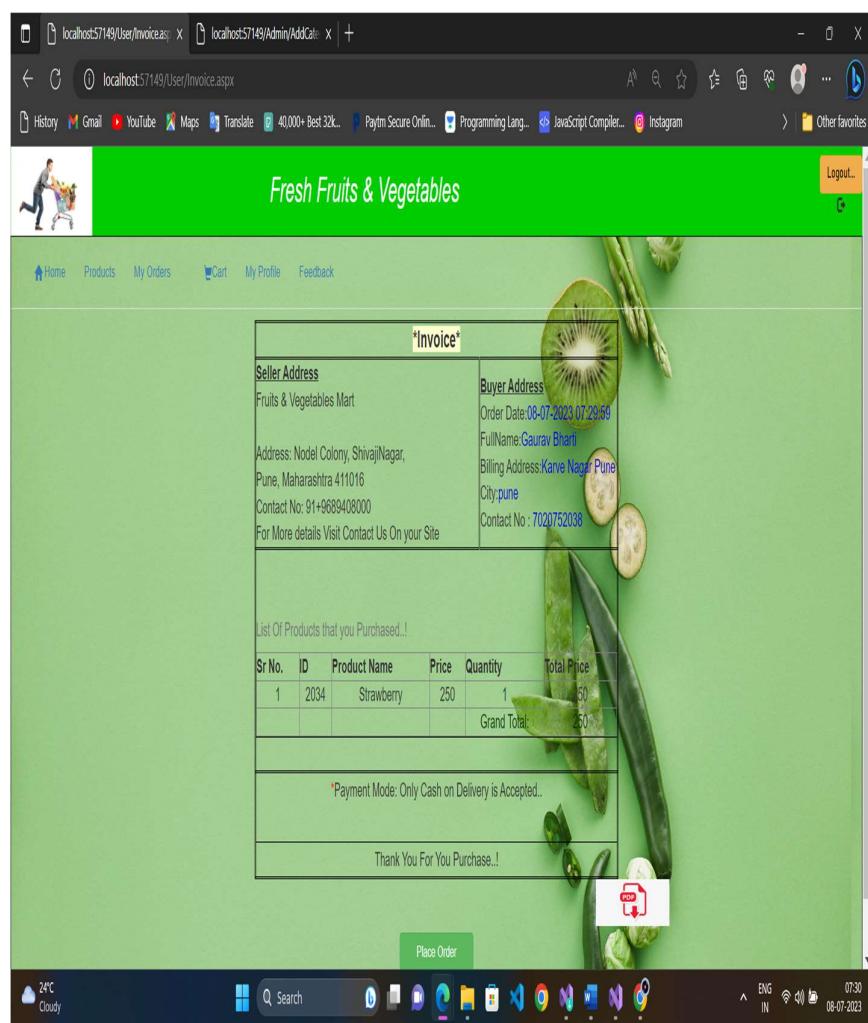


10. Change Password Screen



ANNEXURE 2: OUTPUT REPORTS WITH DATA

Place Order (Input) Screen



Order Receipt (Output):

Invoice

Seller Address

Fruits & Vegetables Mart

Address: Nodel Colony, ShivajiNagar,
Pune, Maharashtra 411016
Contact No: 91+9689408000
For More details Visit Contact Us On your Site

Buyer Address

Order Date:08-07-2023 07:30:11

FullName:Gaurav Bharti
Billing Address:Karve Nagar Pune
City:pune
Contact No : 7020752038

Sr No.	ID	Product Name	Price	Quantity	Total Price
1	2034	Strawberry	250	1	250
Grand Total:					250

*Payment Mode: Only Cash on Delivery is Accepted..

Thank You For Your Purchase..!

ANNEXURE 3: SAMPLE PROGRAM CODE

Home.mster

```
<%@ Master Language="C#" AutoEventWireup="true"
CodeFile="Home.master.cs" Inherits="Admin_Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1">
    <link href="../Bootstrap/bootstrap-3.4.1-
dist/css/bootstrap.min.css" rel="stylesheet" />

    <title></title>
    <asp:ContentPlaceHolder id="head" runat="server">
        </asp:ContentPlaceHolder>

    <style type="text/css">
        .auto-style1 {
            width: 100%;
            height: 60px;
        }
        .auto-style2 {
            height: 70px;
        }
        body{
            background-color: #080710;
            background-image: url('../images/slide.jpg');
            background-size:1500px,1200px;
        }
    </style>
</head>
<body>
    <div class="auto-style1" style="background-color: #080710; height: 60px;">
```

```

        </style>
</head>
<body>
<form id="form1" runat="server">
<div>
    <table class="auto-style1">
        <tr>
            <td style="font-family: 'Times New Roman', Times, serif;
font-size: 22pt; color:snow; vertical-align:top; text-align: center;
background-color: green; border: 1px solid #000000" class="auto-
style2">
                Fresh Fruits & Vegetables
                <div style="text-align:right;font-size:14pt;font-
family:Bahnschrift">

                    <asp:LinkButton ID="lnkBtnLogout"
runat="server" Font-Italic="False" Font-Size="10pt"
ForeColor="Black" CssClass="btn btn-warning"
CausesValidation="False"
OnClick="lnkBtnLogout_Click">Logout...</asp:LinkButton><sp
an class="glyphicon glyphicon-log-out" style="color:
#333333;"></span></td>

                </div>
            </td>
        </tr>
        <tr>
            <td style="border-top-style: solid; border-right-style:
solid; border-left-style: solid; border-top-width: 1px; border-right-
width: 1px; border-left-width: 1px; border-top-color: #000000;
border-right-color: #000000; border-left-color: #000000;">
                <ul class="nav nav-tabs">
                    <li role="presentation"> <a href="Default.aspx"
style=" border: 1px solid #990099; font-size: 11pt; text-align:
center;"><span class="glyphicon glyphicon-home"></span>
Home </a></li>
                    <li role="presentation"> <a
href="AddCategory.aspx" style=" border: 1px solid #990099;
font-size: 11pt; text-align: center;"> Add Category </a> </li>
                
```

```

<li role="presentation"> <a href="AddItem.aspx" style=" border: 1px solid #990099; font-size: 11pt; text-align: center;"> Product Entry </a> </li>
    <li role="presentation"> <a href="ProductDetails.aspx" style=" border: 1px solid #990099; font-size: 11pt; text-align: center;"> Product Details </a> </li>
        <li role="presentation"> <a href="ViewOrder.aspx" style=" border: 1px solid #990099; font-size: 11pt; text-align: center;"> View Orders </a> </li>
            <li role="presentation"> <a href="Feedback.aspx" style=" border: 1px solid #990099; font-size: 11pt; text-align: center;"> View Feedbacks </a> </li>
                <li role="presentation"> <a href="changePassword.aspx" style=" border: 1px solid #990099; font-size: 11pt; text-align: center;"> Change Password </a> </li>
            </ul>
        </td>
    </tr>
    <tr>
        <td valign="top" >
            <div>
                <asp:ContentPlaceHolder id="ContentPlaceHolder1" runat="server">
                    </asp:ContentPlaceHolder>
                </div>
            </td>
        </tr>
    </table>
    </div>
    <script src="../Bootstrap/bootstrap-3.4.1-dist/js/bootstrap.min.js"></script>
</form>
</body>
</html>

```

Home.mster.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Admin_Home : System.Web.UI.MasterPage
{
    protected void Page_Load(object sender, EventArgs e)
    {
        //preventing master page access
        if (string.IsNullOrEmpty(Session["UserName"] as string))
        {
            Response.Redirect("~/Admin/Login.aspx");
        }
    }

    protected void lnkBtnLogout_Click(object sender, EventArgs e)
    {
        Session["UserName"] = "";
        Response.Redirect("~/Admin/Login.aspx");
    }
}
AddItem.aspx
```

```
<%@ Page Title="" Language="C#"
MasterPageFile "~/Admin/Home.master"
AutoEventWireup="true" CodeFile="AddItem.aspx.cs"
Inherits="Admin_AddItem" %>
```

```

<asp:Content ID="Content1" ContentPlaceHolderID="head"
Runat="Server">
<style type="text/css">
.rigthSide{
    height: 54px;
    vertical-align: middle;
    text-align: left;
}
.leftSide {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12pt;
    color: #000000;
    height: 54px;
    vertical-align: middle;
    text-align: right;
    width: 553px;
}
.hedaerstyle
{
    font-family:Bahnschrift;
    font-size: 20pt;
    color: white;
    background-color: lightseagreen;
    vertical-align: middle;
    text-align: center;
    height:56px;
}
.cmplsry{
    color:red;
}

.auto-style3 {
    width: 193px;
}

</style>

<script src="../Bootstrap/bootstrap-3.4.1-dist/Scripts/jquery-
3.6.0.min.js"></script>

```

```

<script type="text/javascript">
    function readURL(input) {
        if (input.files && input.files[0]) {
            var reader = new FileReader();
            reader.onload = function (e) {
                $('#ContentPlaceHolder1_ShowProdImg').attr('src',
e.target.result);
            }

            reader.readAsDataURL(input.files[0]);
        }
    }
    $('#PImg").change(function () {
        readURL(this);
    });
</script>
</asp:Content>
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
    <asp:ScriptManager ID="ScriptManager1"
runat="server"></asp:ScriptManager>
    <center>
        <table style="width:100%; height:548px">
            <tr>
                <td colspan="3" class="hedaerstyle"><span
class="glyphicon glyphicon-plus-sign"></span> Add
Products</td>
            </tr>
            <tr>
                <td style="height: 40px;" colspan="3"></td>
            </tr>
            <tr>
                <td class="leftSide" >
                    Product Name<span class="cmplsry">*</span></td>
                <td class="righSide" colspan="2" >
                    <asp:TextBox ID="txtPName" runat="server"
CssClass="form-control" MaxLength="50"
Width="200px"></asp:TextBox>
                </td>
            </tr>
        </table>
    </center>
</asp:Content>

```

```

<asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server"
ControlToValidate="txtPName" Display="Dynamic"
ErrorMessage="Please Enter Product Name...!" ForeColor="#FF3300"
SetFocusOnError="True"></asp:RequiredFieldValidator>
<ajaxToolkit:TextBoxWatermarkExtender
ID="txtPName_TextBoxWatermarkExtender" runat="server"
BehaviorID="TextBox1_TextBoxWatermarkExtender"
TargetControlID="txtPName" WatermarkText="Enter Product Name" />
</td>
</tr>
<tr>
<td class="leftSide">
Category<span class="cmplsry">*</span></td>
<td class="righSide" colspan="2">
<asp:DropDownList ID="ddlCategory" runat="server"
DataSourceID="SqlDataSource1" DataTextField="CName"
DataValueField="CID" Height="26px" Width="100px">
</asp:DropDownList>
<asp:SqlDataSource ID="SqlDataSource1"
runat="server" ConnectionString="<%$ConnectionString:Mycon %>" SelectCommand="SELECT [CID], [CName] FROM [CategoryMst]"></asp:SqlDataSource>
</td>
</tr>
<tr>
<td class="leftSide">
Price<span class="cmplsry">*</span></td>
<td class="righSide" colspan="2">
<asp:TextBox ID="txtPrice" runat="server"
CssClass="form-control" MaxLength="4"
Width="128px"></asp:TextBox>
<ajaxToolkit:FilteredTextBoxExtender
ID="txtPrice_FilteredTextBoxExtender" runat="server"
BehaviorID="txtPrice_FilteredTextBoxExtender"
TargetControlID="txtPrice" ValidChars="0123456789" />

```

```

<ajaxToolkit:TextBoxWatermarkExtender
ID="txtPrice_TextBoxWatermarkExtender" runat="server"
BehaviorID="txtPrice_TextBoxWatermarkExtender"
TargetControlID="txtPrice" WatermarkText="Enter Price" />
    <asp:RequiredFieldValidator
ID="RequiredFieldValidator2" runat="server"
ControlToValidate="txtPrice" Display="Dynamic"
ErrorMessage="Please Enter Product Price...!"'
ForeColor="#FF3300"
SetFocusOnError="True"></asp:RequiredFieldValidator>
    </td>
</tr>
<tr>
    <td class="leftSide">
        Quantity<span class="cmplsry">*</span></td>
    <td class="auto-style3">
        <asp:TextBox ID="txtQty" runat="server"
        CssClass="form-control" MaxLength="4"
        Width="128px"></asp:TextBox>
        <ajaxToolkit:FilteredTextBoxExtender
ID="txtQty_FilteredTextBoxExtender" runat="server"
BehaviorID="txtQty_FilteredTextBoxExtender"
TargetControlID="txtQty" ValidChars="0123456789" />
        <ajaxToolkit:TextBoxWatermarkExtender
ID="txtQty_TextBoxWatermarkExtender" runat="server"
BehaviorID="txtQty_TextBoxWatermarkExtender"
TargetControlID="txtQty" WatermarkText="Enter Quantity" />
        <asp:RequiredFieldValidator
ID="RequiredFieldValidator3" runat="server"
ControlToValidate="txtQty" Display="Dynamic"
ErrorMessage="Please Enter Product Quantity...!"'
ForeColor="#FF3300"
SetFocusOnError="True"></asp:RequiredFieldValidator>
    </td>
    <td class="righthSide">
        <asp:DropDownList ID="ddlUnit" runat="server"
        Height="23px" Width="75px" CssClass="col-xs-offset-0">
            <asp:ListItem>100GM</asp:ListItem>
            <asp:ListItem>10KG</asp:ListItem>

```

```

<asp:ListItem>500GM</asp:ListItem>
<asp:ListItem
Selected="True">250GM</asp:ListItem>
<asp:ListItem>5KG</asp:ListItem>
<asp:ListItem Value="KG">KG</asp:ListItem>
<asp:ListItem>25KG</asp:ListItem>
<asp:ListItem>DOZEN</asp:ListItem>
</asp:DropDownList>
</td>
</tr>
<tr>
<td class="leftSide">
    Description<span class="cmplsry">*</span>
</td>
<td class="righthSide" colspan="2">
    <asp:TextBox ID="txtDescription" runat="server"
        CssClass="form-control" MaxLength="100"
        TextMode="MultiLine" Width="200px"></asp:TextBox>
    <ajaxToolkit:TextBoxWatermarkExtender
        ID="txtDescription_TextBoxWatermarkExtender" runat="server"
        BehaviorID="txtDescription_TextBoxWatermarkExtender"
        TargetControlID="txtDescription" WatermarkText="Enter
        Product Details" />
    <asp:RequiredFieldValidator
        ID="RequiredFieldValidator4" runat="server"
        ControlToValidate="txtDescription" Display="Dynamic"
        ErrorMessage="Please Enter Product Details..."!
        ForeColor="#FF3300"
        SetFocusOnError="True"></asp:RequiredFieldValidator>
    </td>
</tr>
<tr>
<td class="leftSide">
    Image<span class="cmplsry">*</span>
</td>
<td class="righthSide" colspan="2">
    <asp:FileUpload ID="PImg" runat="server"
        Height="25px" onchange="readURL(this)"/>

```

```

<asp:RequiredFieldValidator
ID="RequiredFieldValidator5" runat="server"
ControlToValidate="PImg" Display="Dynamic"
ErrorMessage="Browse Product Image..!" ForeColor="#FF3300"
SetFocusOnError="True"></asp:RequiredFieldValidator>
</td>
</tr>
<tr>
<td class="leftSide">
</td>
<td colspan="2" class="righSide">
<asp:Image ID="ShowProdImg" runat="server"
BorderColor="Gray" BorderStyle="Solid" BorderWidth="2px"
Height="125px" Width="171px"
ImageUrl("~/images/NotAvailable.jfif" />
</td>
</tr>
<tr>
<td >
</td>
<td colspan="2" class="righSide">
<asp:Button ID="btnAddProduct" runat="server"
CssClass="btn btn-primary" OnClick="btnAddProduct_Click"
Text="ADD" Width="86px" Height="37px" />
</td>
</tr>
</table>
</center>
</asp:Content>

```

AddItem.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.IO;

public partial class Admin.AddItem : System.Web.UI.Page
{
    string strConnectionString =
ConfigurationManager.ConnectionStrings["MyCon"].ConnectionString;
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    //Add New Product implementation
    protected void btnAddProduct_Click(object sender, EventArgs e)
    {
        try
        {
            if(PImg.PostedFile !=null)
            {
                string strExt = Path.GetExtension(PImg.FileName);
                if (strExt.ToLower() == ".jpeg" || strExt == ".jpg" ||
strExt == ".bmp" || strExt == ".png" || strExt == ".gif"
||strExt==".jfif")
                {
                    string strFileName = PIImg.PostedFile.FileName;

PIImg.PostedFile.SaveAs(Server.MapPath("~/ProdImg/" +
strFileName));
                    string strPath = "~/ProdImg/" + strFileName;
                    SqlConnection con = new
SqlConnection(strConnectionString);
                    string strCmd = "INSERT INTO ProductMst "+
```

```

        " (Pname, CID, PDetail, PPrice, PImage,
PUnit, PQty, EntryDate) "+  

        "  

VALUES(@Pname,@CID,@PDetail,@PPrice,@PImage,@PUni  

t,@PQty,@EntryDate);  

    SqlCommand cmd = new SqlCommand(strCmd,  

con);  

    cmd.Parameters.AddWithValue("@PName",  

txtPName.Text);  

    cmd.Parameters.AddWithValue("@CID",  

ddlCategory.SelectedValue);  

    cmd.Parameters.AddWithValue("@PDetail",  

txtDescription.Text);  

    cmd.Parameters.AddWithValue("@PPrice",  

txtPrice.Text);  

    cmd.Parameters.AddWithValue("@PImage",  

strPath);  

    cmd.Parameters.AddWithValue("@PUnit",  

ddlUnit.SelectedValue);  

    cmd.Parameters.AddWithValue("@PQty",  

txtQty.Text);  

    cmd.Parameters.AddWithValue("@EntryDate",  

DateTime.Now.ToShortDateString());  

    con.Open();  

    cmd.ExecuteNonQuery();  

    con.Close();  

    Response.Write("<script>alert('Product      Details  

Saved Successfully.!')</script>");  

    clears();  

}  

else  

{  

    Response.Write("<script>alert('Select Only Image  

File..!')</script>");  

}
}

}
catch(Exception ex)

```

```
{  
    throw ex;  
}  
}  
private void clears()  
{  
    txtPName.Text = "";  
    txtDescription.Text = "";  
    txtPrice.Text = "";  
    txtQty.Text = "";  
    txtPName.Text = "";  
}  
}
```