

CSC-204 Software Engineering
Project Proposal

Bloomify



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1. **Abstract**

Through the Bloomify website, online shoppers can see hundreds of options in flower arrangements available ty and arrange deliveries quite easily. This website is designed in such a way that it has user friendly interfaces so that customers could very easily choose their desired products, input details of delivery, and go through a secure checkout process. Its features include several types of payment, and it streamlines the shop in terms of orders provided for convenience

and security. More to that, its customers can personalize their purchases with the kind of flowers, colors, and other gift options such as vases or cards.

Administratively, the Bloom Flower Shop offers a full dashboard from where administrators may track inventory management and customers' orders. The dashboard will then understand that the stocks update automatically, and hence admins will have a smooth workflow. In fact, they might just appreciate a view and get access to check customer details, update product description information, or make any price changes if needed, making the shop fresh and competitive. In addition, Bloom Flower Shop has become an online website that makes all different kinds of arrangements and products visible, hence making it easier for customers to shop from their homes.

2. Introduction

Welcome to the Bloom Flower Shop. In Bloom Flower Shop, we pride ourselves in fusing beauty with simplicity to provide an exceptional shopping experience. Whether it is a shopper looking to brighten up the house, sending a thoughtful gift, or an administrator about inventory and orders, at Bloom Flower Shop, we ensure that each interaction is as smooth, efficient, and delightful as can be. Imagine stepping into a serene room filled with lovely fragrances from nature's finest flowers. Be it a bouquet of roses and lilies or orchids and tulips, Bloom Flower Shop has a variety that is incredible for almost every event, emotion, and palate. Whether it's a wedding, anniversary, or just something you do for the freshness in your space, we're here with the most gorgeous range to make every moment special.

Bloom Flower Shop is a very simple intuitive system for our customers to make the flower shopping experience a joyride. Our website, keeping its satisfaction in mind, has allowed our customers to easily navigate the diversified catalog, choose their favorites, and then order. We are aware that this is a personal choice. Thus, we have detailed descriptions for all products regarding care instructions as well as options for arrangements. Our customers can determine the type of bouquet they want and whether to have delivery. Needless to say, placing orders for flowers has never been easier. The checkout system is seamless. With timely and proper delivery service, flowers will reach in time and fresh, whether it is a last minute gift or an arrangement for someone special.

As the customers love this lovely front end, the admin interface of Bloom Flower Shop allows all the products, orders, and stock to be managed closely to have everything streamlined and running in proper order. Indeed, it can add or update new products in an effortless manner for an administrator so that the catalog remains fresh and up to date. This would mean a quick on the fly edit allowed by the admin dashboard of description, price, or category so that trends of the season or demands by customer can easily be adopted. To ensure this, whether it's something new like a bouquet or some special holiday arrangement, Bloom Flower Shop is always ahead of the competition.

The dynamic tracking system in Bloom Flower Shop makes the management of its inventory incredibly easy. Admins always see the real time stock levels so that popular items are never without stock. Admins can easily check, manage, and deliver orders without much hassle. The

integrated system also considers special requests, such as a different bouquet that the person might want to have or a change in the delivery schedule so most customers leave happy.

At Bloom Flower Shop, we envision a firm that bridges the natural beauty of life with human experiences. We have always felt that flowers bring joy so, too should the experience of buying or receiving one be great. With seamless integration between technology and nature, we at Bloom Flower Shop created a harmonious blend where users can enjoy browsing while administrators find mighty tools that simplify operations.

Our online business, Bloom Flower Shop, shall be presented with functionalities and features set up to allow for smooth operation by users and administrators.

1. **User Experience** The shop is user-friendly and flowers can be browsable by type, occasion, or even price. Every product offers the respective descriptions along with customization and delivery options for an even more personal shopping experience. The checkout process is streamlined by ordering processes being fast and simple.
2. **Order and delivery management:** Customers can order from a range of available delivery options.
3. **Admin Management:** Admins have a backend dashboard they administer for improving their skills at managing products, orders, and inventory efficaciously. Admins can add, edit, or delete products, change prices, and categorize them to ensure the product catalog is updated with the new seasonal and customer-demanded items. These functionalities are shown in wireframes [1].
4. **Inventory tracking:** Dynamic inventory management technology ensures that the realization of inventory tracking in real time means that the most demanded flowers are always available with overstock subsequently at a minimum.
5. **Order Processing** - Feature of easy view, edit, and fulfillment of orders from the admins supports order processing of various orders.

These functionalities work in tandem to result in a seamless experience, where consumers enjoy shopping and administrators keep all the operations running seamlessly.

Whether you are looking for the perfect floral arrangement for an event or helping to be part of the behind the scenes for everything from a wedding, birthday, to holiday party, Bloom Flower Shop has all things floral. We work hard to provide a service as simple and enjoyable as our flowers without focusing on even the smallest detail.

At Bloom Flower Shop, we are more than just a flower shop, we are devoted to making special moments. Our blood flows with quality of service not only in the quality of these beautiful flowers but in the whole process of shopping and management from user-friendly interfaces. Constant innovations drive us, so we always take in consideration the latest available technologies and consumers' feedback that enriches our products and further operation efficiency. Whether it is to get your favorite blooms or visit us for the first time, we work at every touchpoint to make it smooth, efficient, and full of joy.

3. Problem Statement

Bloom Flower Shop looks forward to enhance the online shopping experience by streamlining the browsing, ordering, and management of floral products, ultimately improving operational efficiency and boosting overall customer satisfaction.

4. Objectives:

Objectives of the Bloom Flower Shop website are:

- User Friendly Account Management: Create and manage account for the users.
- Seamless Online Purchase Experience: It should facilitate customers to place the order or buy flowers through an online interface
- Inventory management: These often help the administrators in proper managing of stock regarding floral products.
- Secure payment processing: Improve the safe and reliable payment process for customer.
- Interactive Design: In other words, the website will work and look fine to the user.
- Customer feedback: Allows customers to share their views of how they experienced the process of purchasing on the website.
- Discounts: Provide discounts to increase the sales growth.

5. Tools and Technologies

Tools and technologies that are used in Bloomify website are:

- Visual Studio Code
- Pencil
- StarUML
- MS Word
- End notation

6. Software Tools and Technologies

Software tools and technologies that are used in Bloomify website are:

Front end Technologies:

- Windows Forms

Back end Technologies:

- C#

Database:

- MySql

7. Hardware Tools and Technologies

- At least 8GB RAM, Intel Core i5 or above processors and SSD storage for managing orders and inventory.

8. Vision

The vision for Bloomify website is to provide a smooth shopping experience by providing a diverse collection of high quality flowers for every occasion.

9. Scope

The scope of Bloomify website is:

- Admin Scope:
- User Authentication:
 - Use credentials to log in to the system.
- User Management:
 - Create, delete, and edit user accounts
- Product Management:
 - Add flowers in the catalogue, edit and delete them.
 - Maintaining all information about the product, such as category, price, and stock.
 - See description of the product.
- Order Processing:
 - Allowing a customer to order, like selecting products and calculating their quantities.
 - Application of discounts.
- Inventory Management:
 - Maintaining inventory based on sales of the floral product.
- User Scope
- Account Management:
 - Administer and set up personal accounts.
 - Change personal details.
- Product Browsing:
 - Browse through the catalog of flower products.
 - Search facility.
- Order:
 - Add products to cart and continue the checkout process.
- Feedback:
 - Share your shopping experience with us.

10. Features

Facilities available for the Blossom flower shop are:

- Advanced search functionality:
 - It should be a good search tool in which users might find products.
- Discounts:
 - Discount attracts customers.

- Customer Feedback:
 - This allows users to give their opinions over the products which can help another user while making a purchase decision.

11. Requirements

Functional Requirements:

- User Authentication: This ensures secure registration, log in and logout for users.
- User Roles: Users access the website only to browse and place orders, the other type of user is admins, who shall be able to update and manage products and orders.
- Product Management: Administrators add, modify, and remove floral products.
- Product Catalog: Product catalog shall be searchable and accessible.
- Shopping Cart: Shall have a shopping cart feature where it allows an item to be added or removed, along with the ability to change quantities whenever possible.
- Order placement: User is supposed to input the address before paying to complete the transaction.
- Payment Method: The website shall enable a secure form of payment.
- Search: The system will provide a search facility so that users can obtain one of their products immediately.

Non-Functional Requirements:

- Capacity: It must be able to define maximum numbers of users and transactions at a time without losing any performance level.
- Reliability: The system must work under actual conditions without fail.
- Recoverability: The system must be made recoverable to resume operations in the shortest possible time in case of failure.
- Maintainability: It must require a minimum amount of effort to update or fix the code.
- Securability: The system must implement strong security measures, including secure user authentication.
- Regulatory: It must satisfy all relevant laws and rules for a valid website.
- Manageability. Administrators must control the tools and interfaces that provide roles so that users may have flexible access controls.
- Environment: The software must operate satisfactorily in the defined technical environment.
- Data Integrity: The system must ensure that the data is accurate and reliable at all stages of transactions and operations.
- Usability: The interface must be interactive to the user.

Business Requirements:

- Minimize Error: The system will minimize first year order errors of at least 25% so that the customer satisfaction earns an extra \$10,000.

- Efficiency Increase: Ensure to raise the rate of handling inventory by 30% and order processing.
- Sales Growth: Increase the sales transaction by 15 percent in the first year by better engagement and marketing features for customers.
- User Accessibility: Extremely user friendly.
- Scalability: Plan the system to handle increasing products and orders.

Physical requirements:

- User-workstations: These will be furnished with at least 8 GB RAM, latest multi-core processor-whether Intel i5 or similar-and with at least 256 GB SSD storage so that applications will run without any problem.
- Network Infrastructure: It must be running on a safe LAN.
- Database management system: This application uses the relational database management system which can be MySQL.
- Power Supply: The facility should have a backup UPS available to maintain operations during and after the power loss such that hardware damage can be avoided.

Development Requirements:

- Programming Languages: It may also be built using backend services with .NET and C# along with frontend interface with Windows Form.
- Development Environment: Developed using Visual Studio as the application building and development and debugging.
- Database Management: Relational Database Management System (RDBMS) using MySQL for storing data and retrieval of the data and to ensure the schema of database is optimized in terms of performance.

12. Wireframes with Requirements

User Side



Fig.12.1

Requirement	User	Admin
T1	As a user, I shall see the logo on the top left.	As an admin, I shall ensure the logo is in the right place.
T2	As a user, I shall see the header with relevant information.	As an admin, I shall ensure that the header is readable for users.
T3	As a user I shall see the Navbar to navigate the website	As an admin, I shall ensure the Navbar is active.
T4	As a user I shall see menu on the left side.	As an admin, I shall ensure the menu is completely enabled for the users' use.
T5	As a user, I shall view the flower shop page.	As an admin, I shall rightly display the flower shop page.
T6	As a user I shall see more information about the flower shop.	As an admin, I shall make sure the right section has relevant useful information to the users.
T7	As a user, I shall visit the shop flower by clicking the visit button.	As an admin, I shall make sure the visiting button is active and leads to the correct page.
T8	As a user, I shall see in order to view the footer at the bottom	As an admin, I shall ensure footer is correctly displayed.

Table.12.1

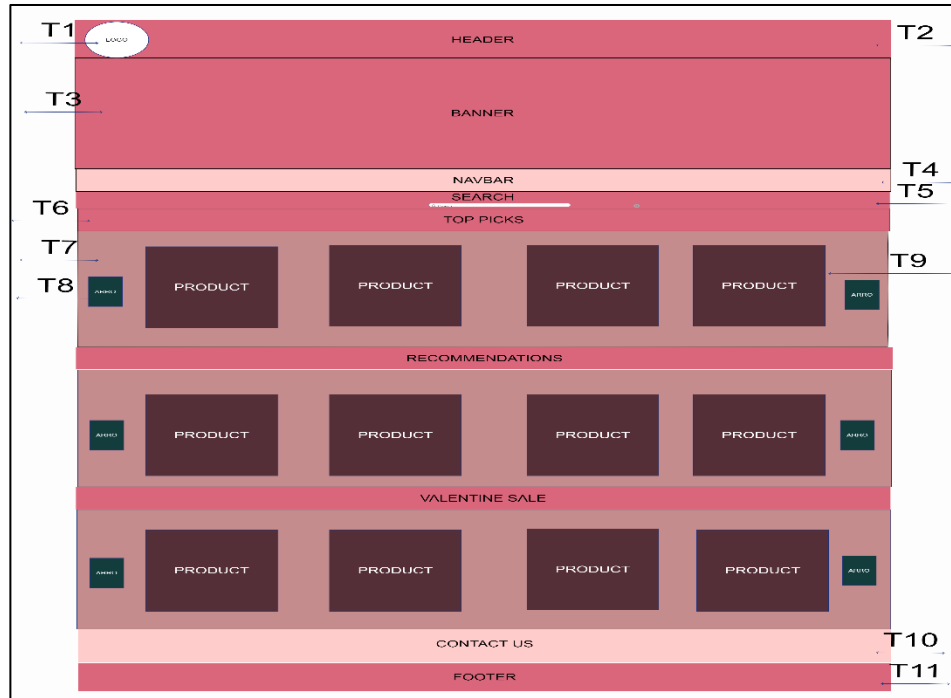


Fig.12.2

Requirement	User	Admin
T1	As a user, I shall see the logo on the top left.	As an admin, I shall ensure the logo is in the right place.
T2	As a user, I shall see the header with relevant information.	As an admin, I shall ensure that the header is readable for users.
T3	As a user, I shall see the banner.	As an admin, I shall ensure the banner is in the right place.
T4	As a user, I shall see the Navbar to navigate the website	As an admin, I shall ensure the Navbar is active.
T5	As a user, I shall see the search bar to find desired floral product.	As an admin, I shall ensure the search bar is fully working.
T6	As a user, I shall see the heading of top-picks.	As an admin, I shall ensure the top picks heading is in the correct place.
T7	As a user, I shall view the top picks section.	As an admin, I shall manage the products in top picks section.
T8	As a user, I shall move backward to see products.	As an admin, I shall ensure the move previous button is functional.
T9	As a user, I shall move forward to see products.	As an admin, I shall ensure the move forward button is functional.
T10	As a user, I shall view the contact us section.	As an admin, I shall ensure Information is correctly displayed in contact us section.
T11	As a user, I shall see in order to view the footer at the bottom.	As an admin, I shall ensure footer is correctly displayed.

Table.12.2

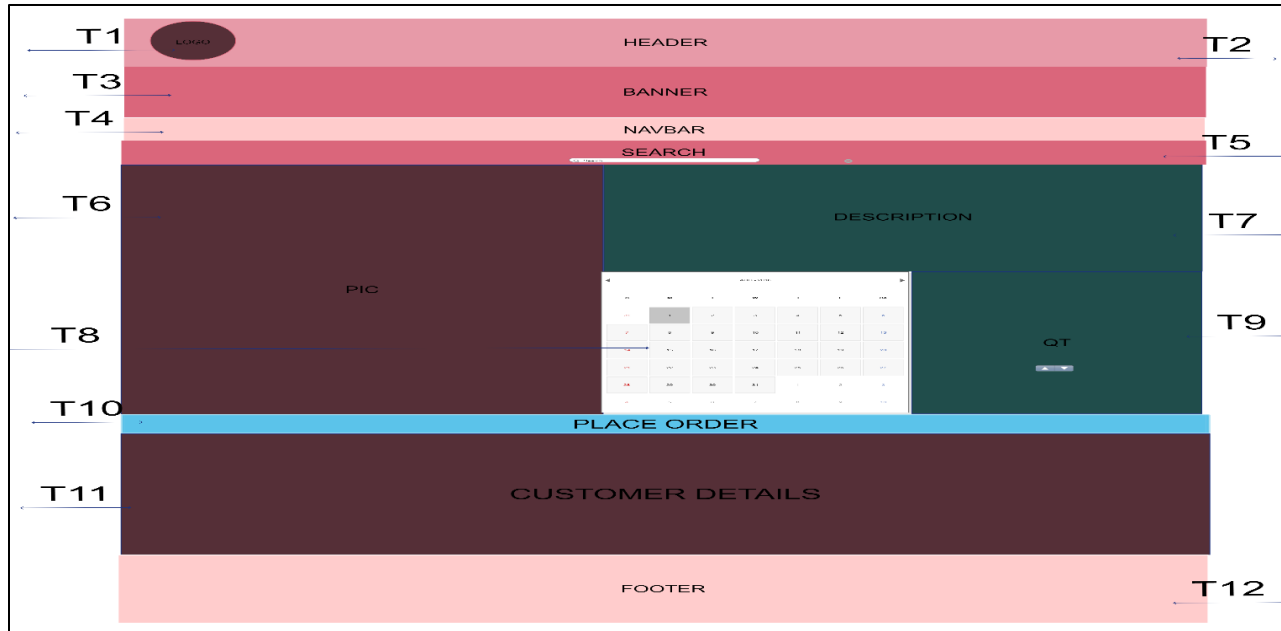


Fig.12.3

Requirement	User	Admin
T1	As a user, I shall see the logo on the top left.	As an admin, I shall ensure the logo is in the right place.
T2	As a user, I shall see the header with relevant information.	As an admin, I shall ensure that the header is readable for users.
T3	As a user, I shall see the banner.	As an admin, I shall ensure the banner is in the right place.
T4	As a user, I shall see the Navbar to navigate the website	As an admin, I shall ensure the Navbar is active.
T5	As a user, I shall see the searching bar to find product that I want to buy.	As an admin, I shall ensure the searching bar is fully functional.
T6	As a user, I shall see the picture of the product.	As an admin, I shall ensure the picture is in the right place.
T7	As a user, I shall see the description of product.	As an admin, I shall ensure the description of product is properly displayed.
T8	As a user, I shall view the date of placing order.	As an admin, I shall make sure that the date is output correctly.
T9	As a user, I shall be allowed to make a choice of a quantity through the quantity selector.	As an admin, I shall ensure that the quantity selector is working correctly.
T10	As a user, I shall click the place order button to place order.	As an admin, I shall ensure that order is placed after clicking place order button.
T11	As a user, I shall enter my details to buy the product.	As an admin, I shall ensure that customer detail form is functional.
T12	As a user, I shall see in order to view the footer at the bottom.	As an admin, I shall ensure footer is correctly displayed.

Table.12.3

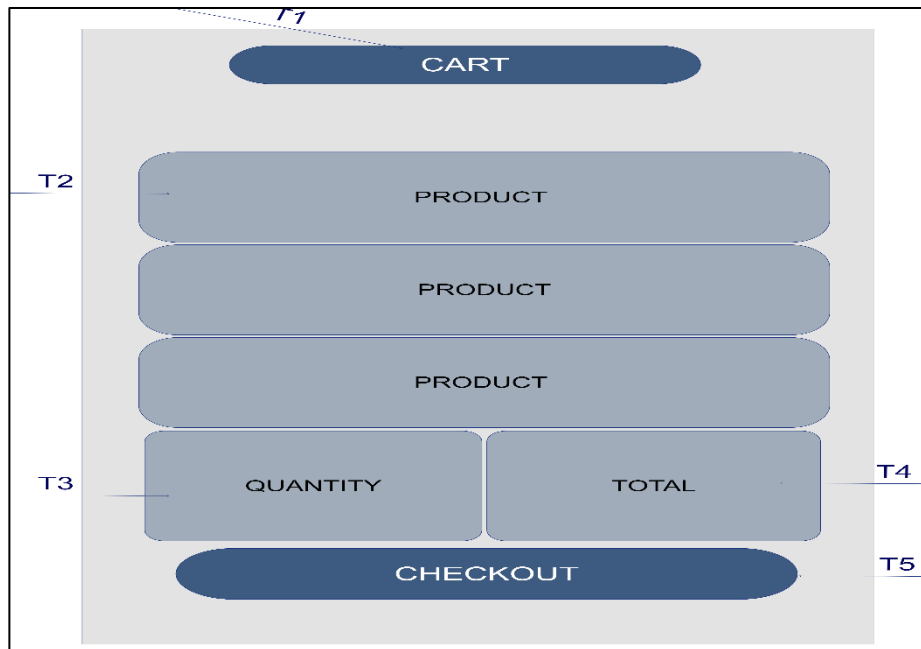


Fig.12.4

Requirement	User	Admin
T1	As a user, I shall see the heading of the cart.	As an admin, I shall ensure the heading of cart is in correct place.
T2	As a user, I shall see the list of products in cart.	As an admin, I shall ensure that all the products that are in cart are visible.
T3	As a user, I shall see the quantity of products in cart.	As an admin, I shall ensure that quantity of products is displayed correctly.
T4	As a user, I shall see the total cost of products in the cart.	As an admin, I shall ensure that the total price of the products is rendering properly.
T5	As a user, after clicking on checkout button after which I shall move to checkout page.	As an admin, I shall ensure that checkout page is available for the view.

Table.12.4

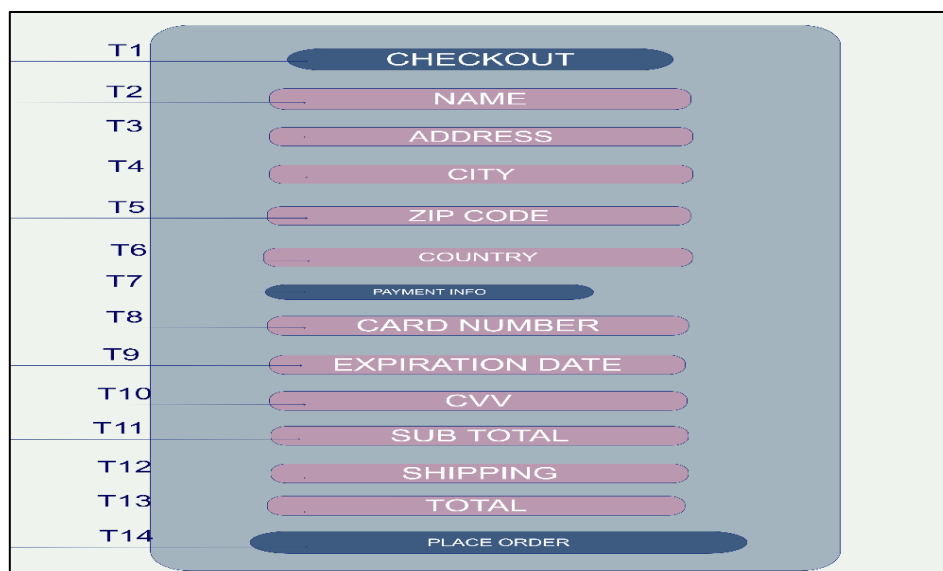


Fig.12.5

Requirement	User	Admin
T1	As a user, I shall see the heading of the checkout.	As an admin, I shall ensure the heading of checkout is in correct place.
T2	As a user, I shall enter my name.	As an admin, I shall ensure that name field is working properly.
T3	As a user, I shall write my address.	As an admin, I shall ensure that address field is working properly.
T4	As a user, I shall enter my city.	As an admin, I shall ensure that city field is working properly.
T5	As a user, I shall enter zip code.	As an admin, I shall ensure that zip code field is working properly.
T6	As a user, I shall enter my country.	As an admin, I shall ensure that country field is working properly.
T7	As a user, I shall see the heading of the payment info	As an admin, I shall ensure the heading of payment info is in correct place.
T8	As a user, I shall enter my card number.	As an admin, I shall ensure that card number field is working properly.
T9	As a user, I shall enter my expiration date of card.	As an admin, I shall ensure that expiration date field is working properly.
T10	As a user, I shall enter ccv.	As an admin, I shall ensure that ccv field is working properly.
T11	As a user, I shall see the sub total cost of products in the cart.	As an admin, I shall ensure that the subtotal price of the products is displaying properly.
T12	As a user, I shall see the shipping cost of products in the cart.	As an admin, I shall ensure that the shipping price of the products is displaying properly.
T13	As a user, I shall see running total of items cost in shopping cart.	As an admin, I shall make sure that the overall price for the products is coming up correctly.
T14	As a user, I shall click on the place order button to place the order	As an admin, after clicking the place order button the order shall be placed.

Table.12.5

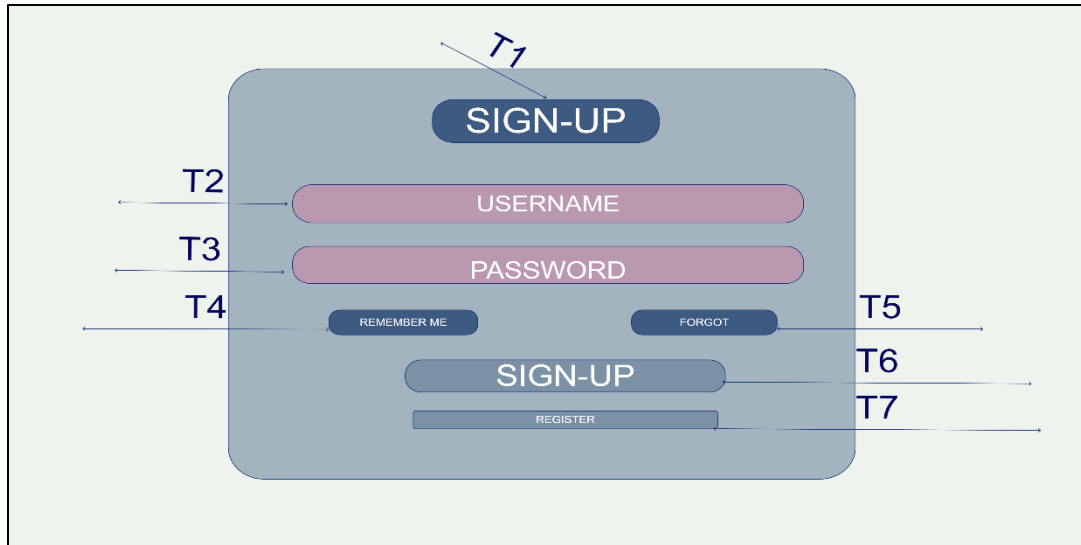


Fig.12.6

Requirement	User	Admin
T1	As a user, I shall view the heading of SIGNUP.	As an admin, I shall write/edit the heading of SIGNUP for the convenience of user.
T2	As a user, I shall put the username in the username place holder to sign up in the website.	As an admin, I shall ensure that the user can enter their username in the designated username placeholder when signing up on the website.
T3	As a user, I shall put the password in the password place holder to sign up in the website.	As an admin, I shall ensure that the user can enter their password in the designated password placeholder when signing up on the website.
T4	As a user, my username and password shall save when I shall click the remember me button.	As an admin, I shall save the username and password when the username clicks the remember me button.
T5	As a user, my username and password shall delete when I shall click the forgot button.	As an admin, I shall delete the username and password when the username clicks the forgot button.
T6	As a user, I shall use the website as a user after clicking the sign-up button to complete the sign-up process.	As an admin, I shall ensure that the user can follow through with the sign-up process on the website after clicking the sign-up button.
T7	As a user, I shall login as a user, access the website.	As admin, I shall ensure that user is able to get in, log in to the website using registered credentials.

Table.12.6

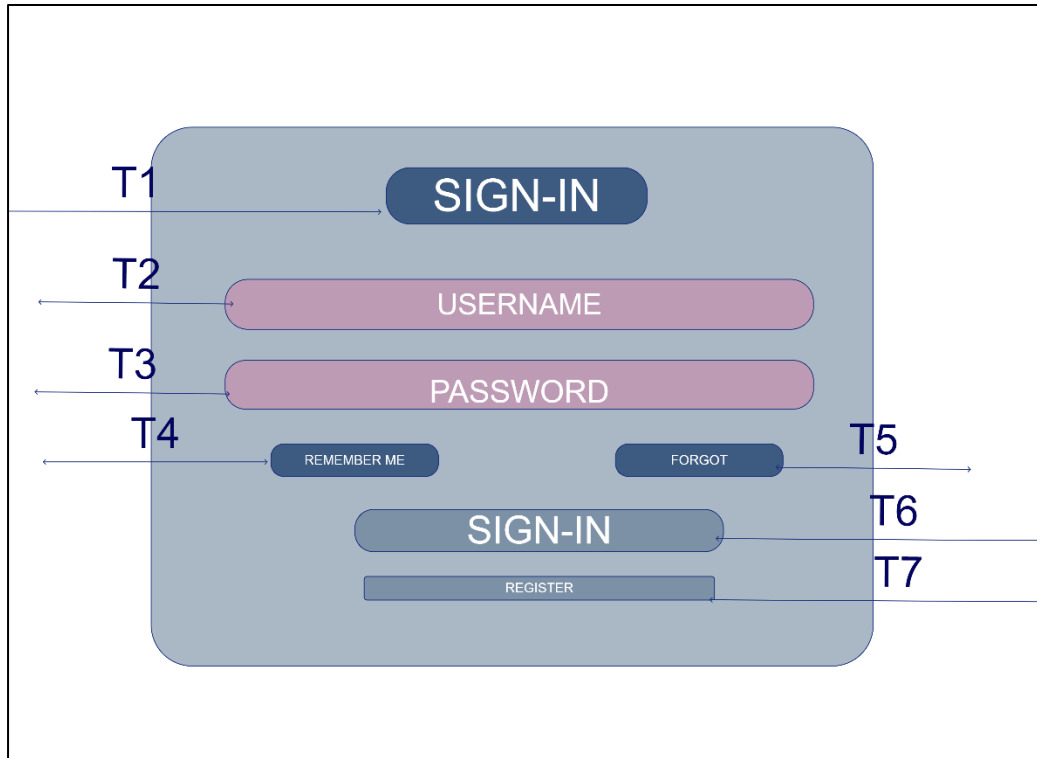


Fig.12.7

Requirement	User	Admin
T1	As a user, I shall view the heading of SIGN IN.	As an admin, I shall write/edit the heading of SIGN IN for the convenience of users.
T2	As a user, I shall put the username in the username placeholder to sign in to the website.	As an admin, I shall ensure that the user can enter their username in the designated username placeholder when signing in on the website.
T3	As a user, I shall put the password in the password placeholder to sign in to the website.	As an admin, I shall ensure that the user can enter their password in the designated password placeholder when signing in on the website.
T4	As a user, my username and password shall save when I shall click the remember me button.	As an admin, I shall save the username and password when the user clicks the remember me button.
T5	As a user, my username and password shall delete when I shall click the forgot button.	As an admin, I shall delete the username and password when the user clicks the forgot button.
T6	As a user, I shall use the website as a user after clicking the sign-up button to complete the sign-up process.	As an admin, I shall ensure that the user can follow through with the sign-up process on the website after clicking the sign-up button.
T7	As a user, I shall login as a user, access the website.	As admin, I shall ensure that user is able to get in, log in to the website using registered credentials.

Table.12.7

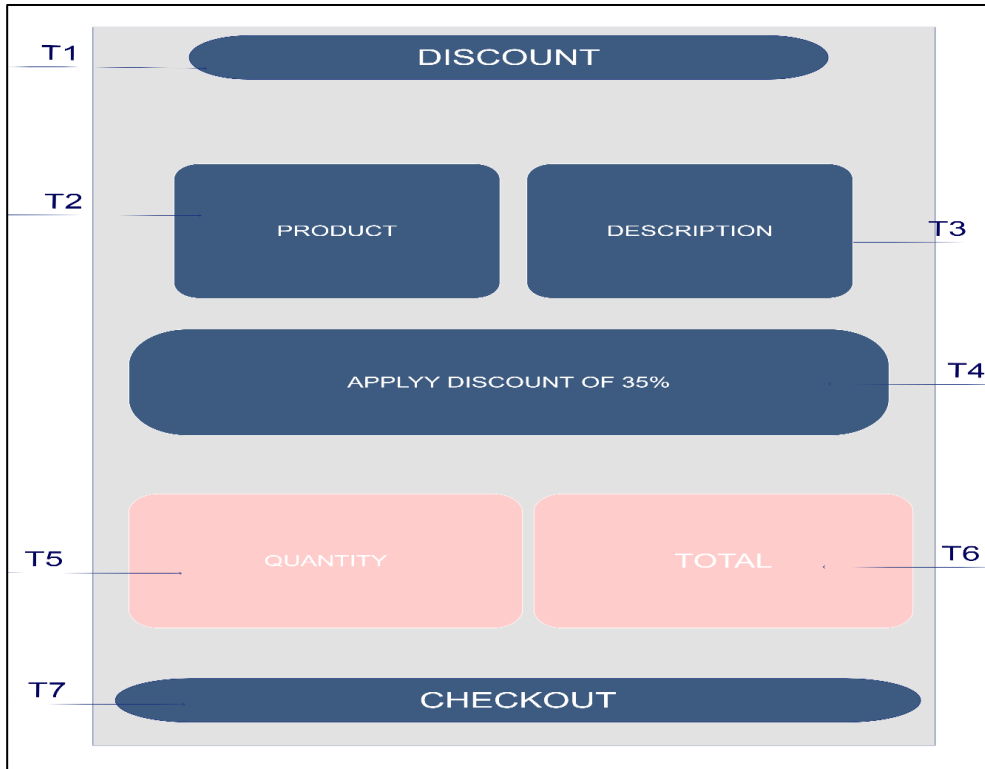


Fig.12.8

Requirement	User	Admin
T1	As a user, I shall view the heading of discount.	As an admin, I shall write/edit the heading of discount for the convenience of users.
T2	As a user, I shall see the picture of the product.	As an admin, I shall ensure the picture is displayed properly.
T3	As a user, I shall see the product description.	As an admin, I shall ensure the description of product is displayed properly.
T4	As a user, I shall see the message of discount that is available.	As an admin, I shall ensure the message of discount being given is showing.
T5	As a user, I shall see the quantity of products in cart.	As an admin, I shall ensure that quantity of products is displayed correctly.
T6	As a user, I shall see the total cost of products in the cart.	As an admin, I shall ensure that the total price of the products is rendering properly.
T7	As a user, after clicking on checkout button after which I shall move to checkout page.	As an admin, I shall ensure that checkout page is available for the view.

Table.12.8

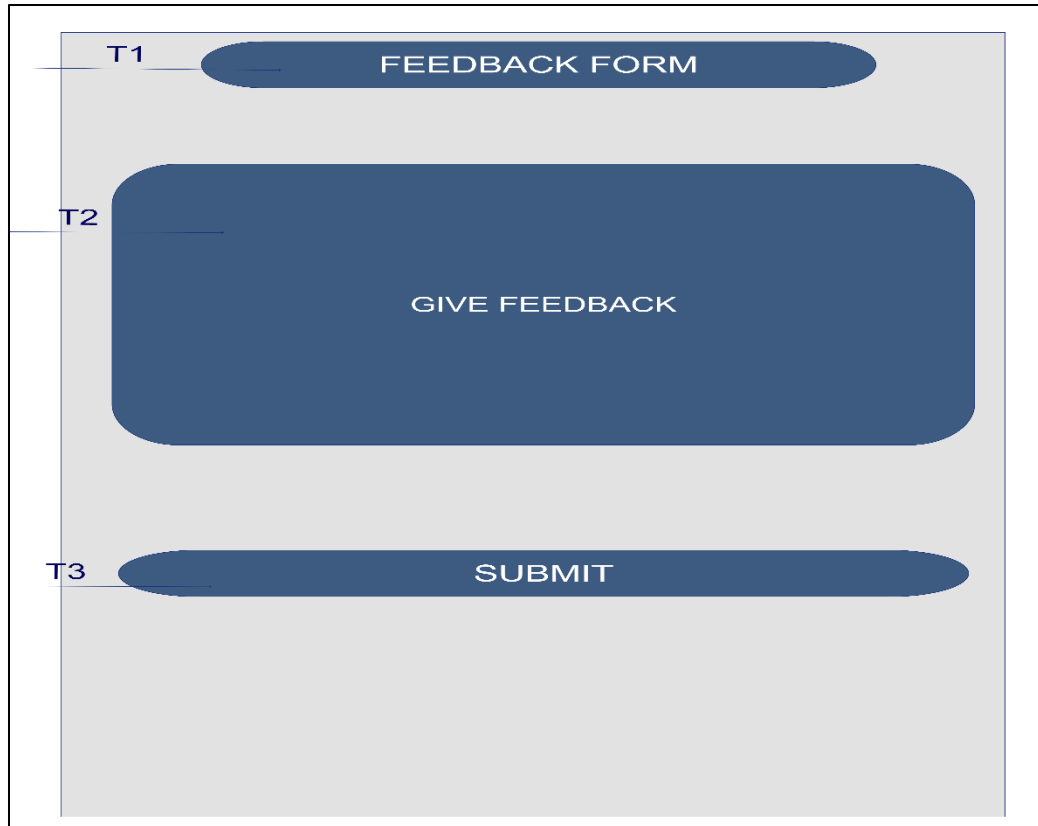


Fig.12.9

Requirement	User	Admin
T1	As a user, I shall view the heading of feedback form.	As an admin, I shall write/edit the heading of feedback form for the convenience of users.
T2	As a user, I shall be able to write feedback in feedback section.	As an admin, I shall ensure user to write feedback.
T3	As a user, I shall be able to submit my feedback.	As an admin, I shall ensure to submit feedback.

Table.12.9

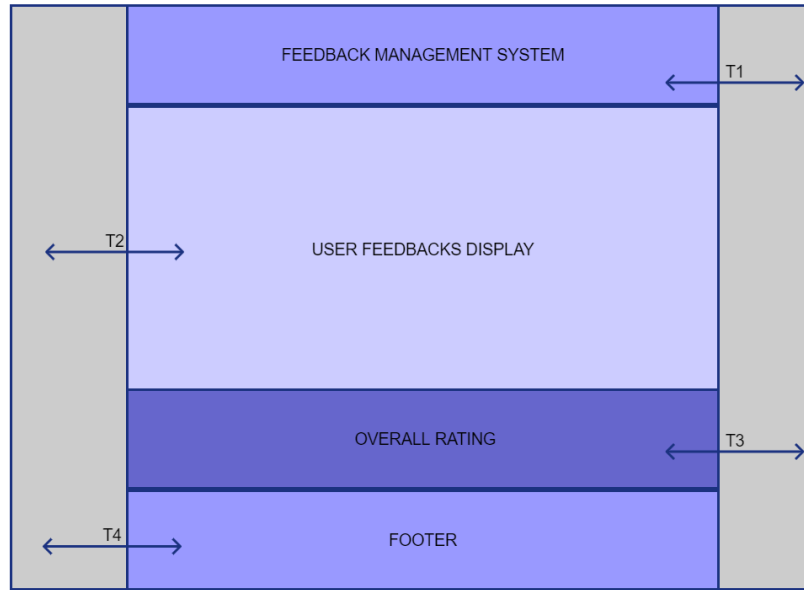


Fig.12.10

Requirement	User	Admin
T1	As a user, I shall see heading of feedback management system.	As an admin, I shall ensure the heading feedback management system is visible.
T2	As a user, I shall see the feedback of other users on product.	As an admin, I shall ensure that feedback of other users on product are visible.
T3	As a user, I shall see the overall rating of other users on product.	As an admin, I shall ensure that overall rating on product are visible.
T4	As a user, I shall see the footer.	As an admin, I shall ensure that footer at the bottom is visible.

Table.12.10

The image shows a 'PROFILE MANAGEMENT' form. At the top is the title 'PROFILE MANAGEMENT'. Below it are three buttons: 'MY INFO', 'SAVE', and 'CANCEL'. Under the 'MY INFO' button, there are seven input fields: 'FIRST NAME', 'LAST NAME', 'GENDER', 'EMAIL', 'PHONE NO.', 'CITY', and 'ADDRESS'. A line labeled 'T3' points to the 'SAVE' button.

Fig.12.11

Requirement	User	Admin
T1	As a user, I shall view the heading of profile management.	As an admin, I shall write/edit the heading of profile management for the convenience of users.
T2	As a user, I shall see the heading of my info.	As an admin, I shall make sure my information heading is in the correct place.
T3	As a user, I shall be able to save profile information after clicking the save button.	As an admin, I shall check if the save button is functional.
T4	As a user, I shall be able to cancel my profile information after clicking the save button.	As an admin, I shall check if the cancel button is functional.
T5	As a user, I shall enter my first name.	As an admin, I shall ensure that first name field is working properly.
T6	As a user, I shall enter my last name.	As an admin, I shall ensure that last name field is working properly.
T7	As a user, I shall enter my gender.	As an admin, I shall ensure that gender field is working properly.
T8	As a user, I shall enter my email.	As an admin, I shall ensure that email field is working properly.
T9	As a user, I shall enter my phone number.	As an administrator, I shall ensure that field of phone number works fine.
T10	As a user, I shall enter my city.	As an admin, I shall ensure that city field is working correctly.
T11	As a user, I shall enter my address.	As an admin, I shall ensure that address field is working properly.

Table.12.11

Admin Side

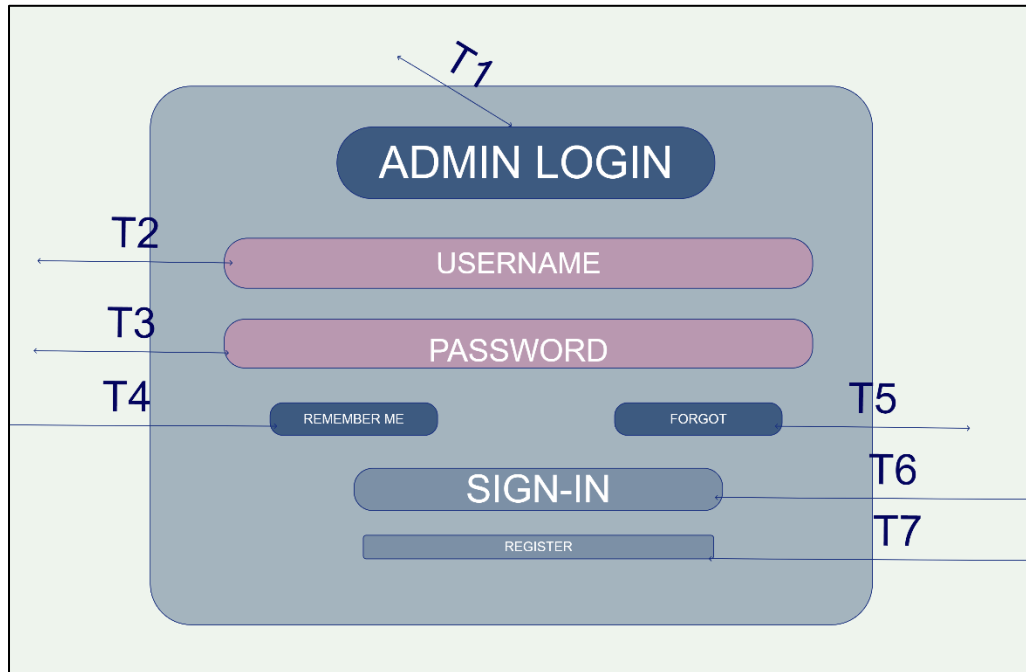


Fig.12.12

Requirement	User	Admin
T1	As a user, heading of SIGN IN is not visible.	As an admin, I shall view the heading of SIGN IN.
T2	As a user, username place holder is not visible.	As an admin, I shall enter my username in the username placeholder to login website.
T3	As a user, password place holder is not visible.	As an admin, I shall enter my password in the password placeholder.
T4	As a user, remember me button is not visible.	As an admin, I shall save the username and password when the I click the remember me button.
T5	As a user, forgot button is not visible.	As an admin, I shall delete the username and password when the I clicks the forgot button.
T6	As a user, sign-in button is not visible.	As an admin, I shall ensure that the user can complete the sign-in process on the website by clicking the sign-in button.
T7	As a user, register button is not visible.	As an admin, I can log in to the website by using registered credentials.

Table.12.12

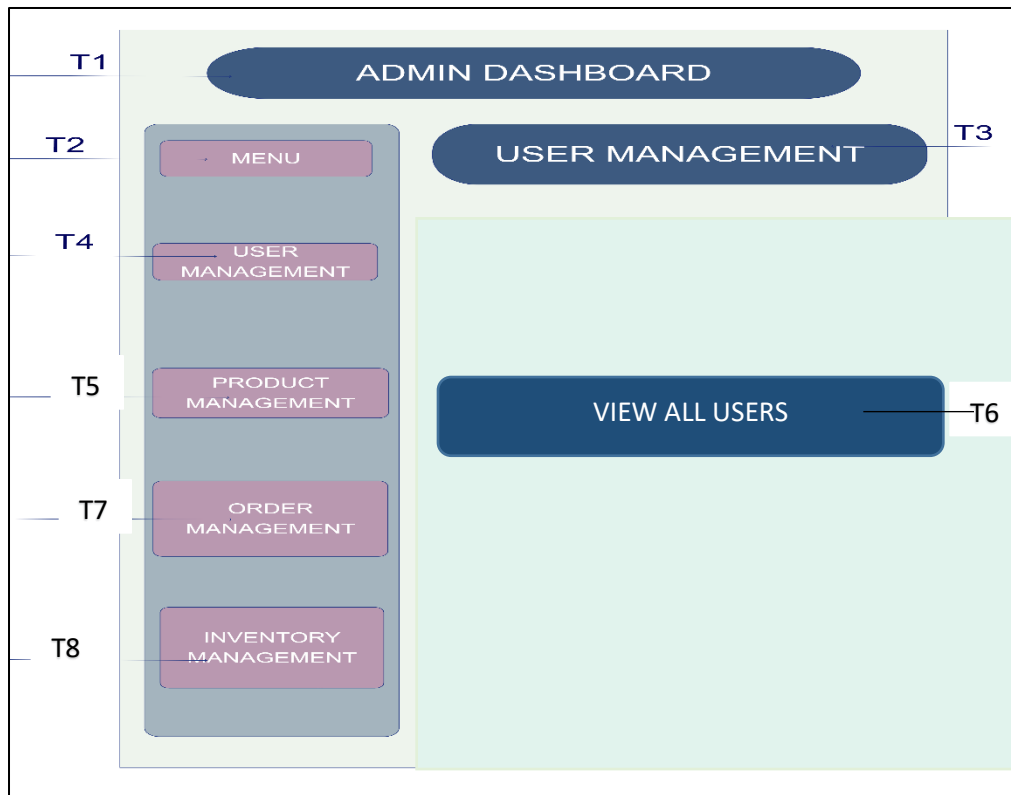


Fig.12.13

Requirement	User	Admin
T1	As a user, heading of admin dashboard is not visible.	As an admin, I shall view the heading of admin dashboard.
T2	As a user, menu heading is not visible.	As an admin, I shall visit menu after clicking menu button.
T3	As a user, heading of user management is not visible.	As an admin, I shall view the heading of user management.
T4	As a user, option of user management is not visible.	As an admin, I shall open user management page after clicking button.
T5	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T6	As a user, view all users button is not visible.	As an admin, I shall see all users page after clicking button.
T7	As a user, heading of order management is not visible.	As an admin, I shall view the heading of order management.
T8	As a user, option of inventory management is not visible.	As an admin, I shall open inventory management page after clicking button.

Table.12.13

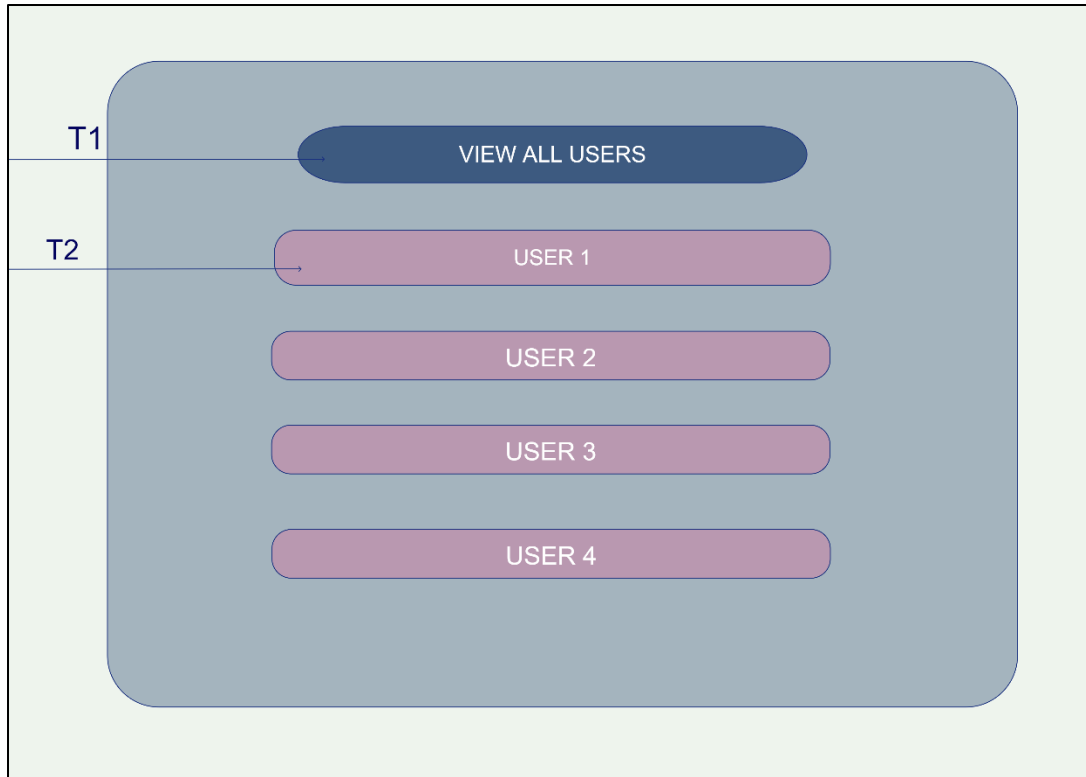


Fig.12.14

Requirement	User	Admin
T1	As a user, heading of view all users is not visible.	As an admin, I shall view the heading of view all users.
T2	As a user, list of users is not visible.	As an admin, I shall view the list of all users.

Table.12.14

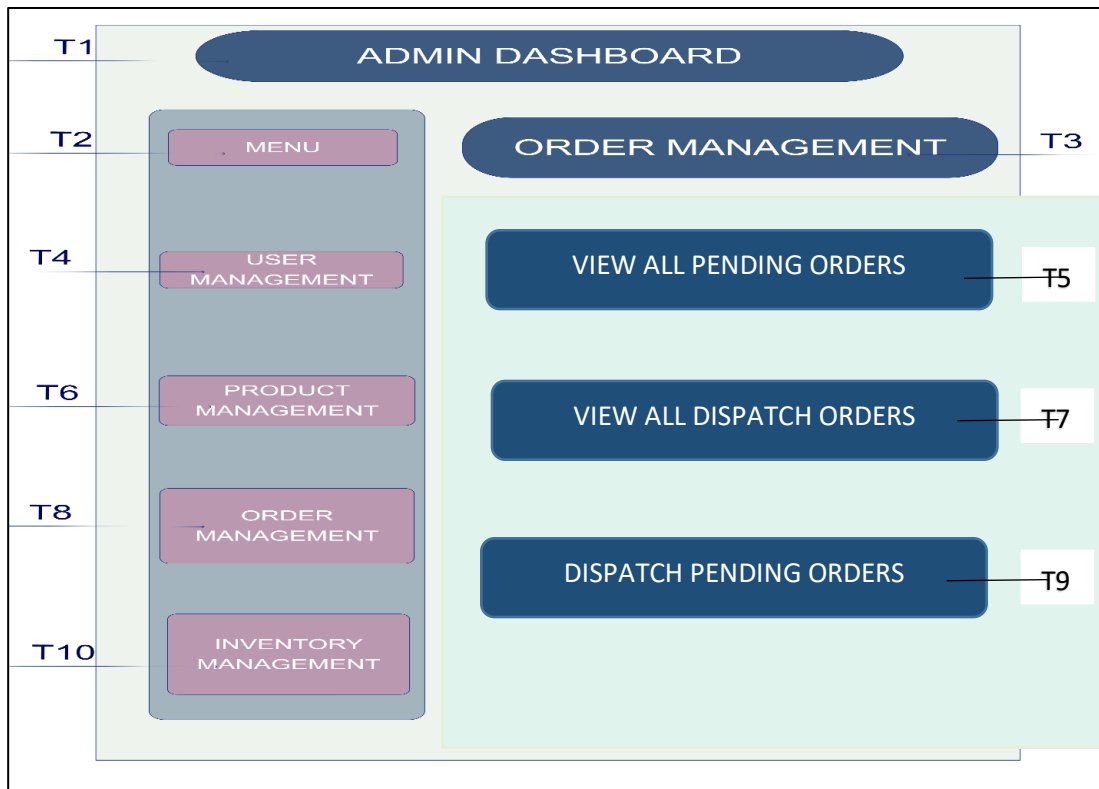


Fig.12.15

Requirement	User	Admin
T1	As a user, heading of admin dashboard is not visible.	As an admin, I shall view the heading of admin dashboard.
T2	As a user, menu heading is not visible.	As an admin, I shall visit menu after clicking menu button.
T3	As a user, heading of order management is not visible.	As an admin, I shall view the heading of order management.
T4	As a user, option of user management is not visible.	As an admin, I shall open user management page after clicking button.
T5	As a user, view all pending orders button is visible.	As an admin, I shall click on view all pending orders button.
T6	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T7	As a user, view all dispatched orders button is visible.	As an admin, I shall click on view all dispatched orders button.
T8	As a user, heading of order management is not visible.	As an admin, I shall view the heading of order management.
T9	As a user, dispatch all pending orders button is visible.	As an admin, I shall click on dispatch all pending orders button.
T10	As a user, option of inventory management is not visible.	As an admin, I shall open inventory management page after clicking button.

Table.12.15

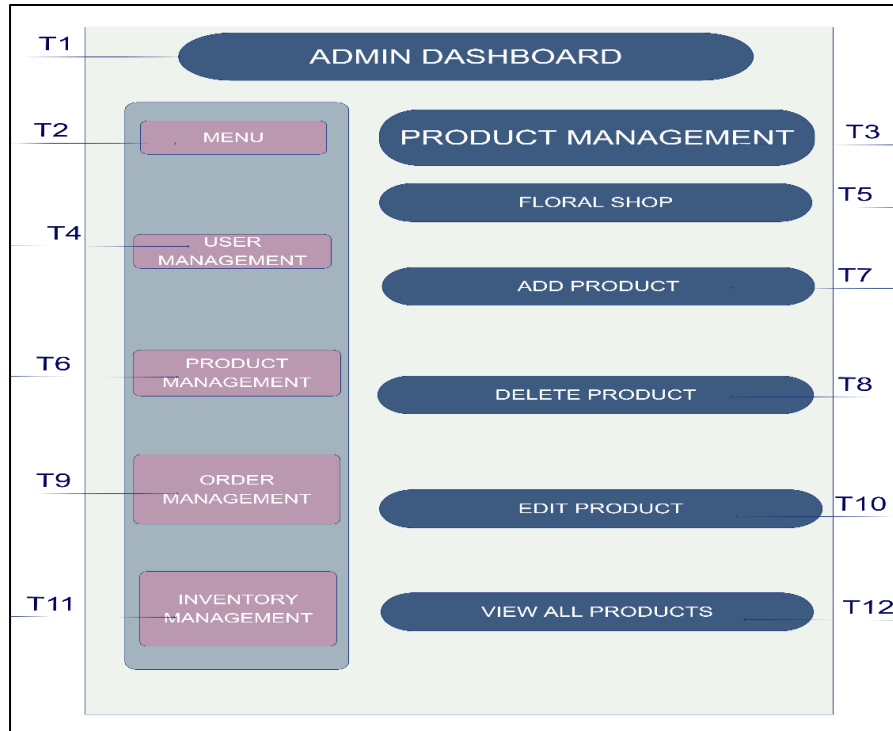


Fig.12.16

Requirement	User	Admin
T1	As a user, heading of admin dashboard is not visible.	As an admin, I shall view the heading of admin dashboard.
T2	As a user, menu heading is not visible.	As an admin, I shall visit menu after clicking menu button.
T3	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T4	As a user, option of user management is not visible.	As an admin, I shall open user management page after clicking button.
T5	As a user, floral shop heading is not visible.	As an admin, I shall see floral shop heading.
T6	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T7	As a user, add product button is not visible.	As an admin, I shall open add product page after clicking button.
T8	As a user, delete product button is not visible.	As an admin, I shall open delete product page after clicking button.
T9	As a user, heading of order management is not visible.	As an admin, I shall view the heading of order management.
T10	As a user, edit product button is not visible.	As an admin, I shall open edit product page after clicking button.
T11	As a user, option of inventory management is not visible.	As an admin, I shall open inventory management page after clicking button.
T12	As a user, view all products button is not visible.	As an admin, I shall see all products page after clicking button.

Table.12.16

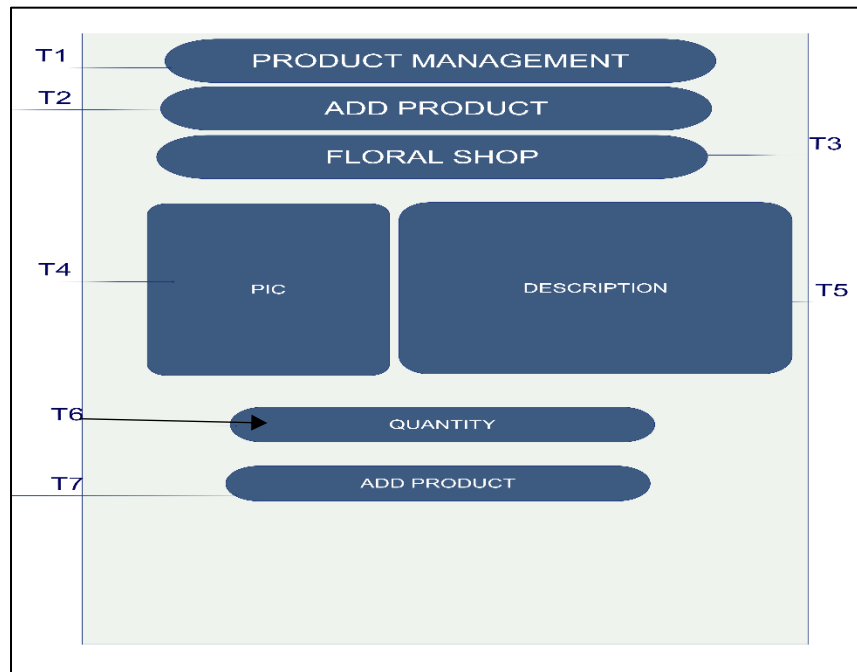


Fig.12.17

Requirement	User	Admin
T1	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T2	As a user, add product button is not visible.	As an admin, I shall open add product page after clicking button.
T3	As a user, floral shop heading is not visible.	As an admin, I shall see floral shop heading.
T4	As a user, picture of the product is not visible.	As an admin, I shall enter the picture of product.
T5	As a user, description of the product is not visible.	As an admin, I shall enter the description of product.
T6	As a user, quantity header is not visible.	As an admin, I shall enter quantity of products.
T7	As a user, add products button is not visible.	As an admin, I shall add product by clicking the button.

Table.12.17

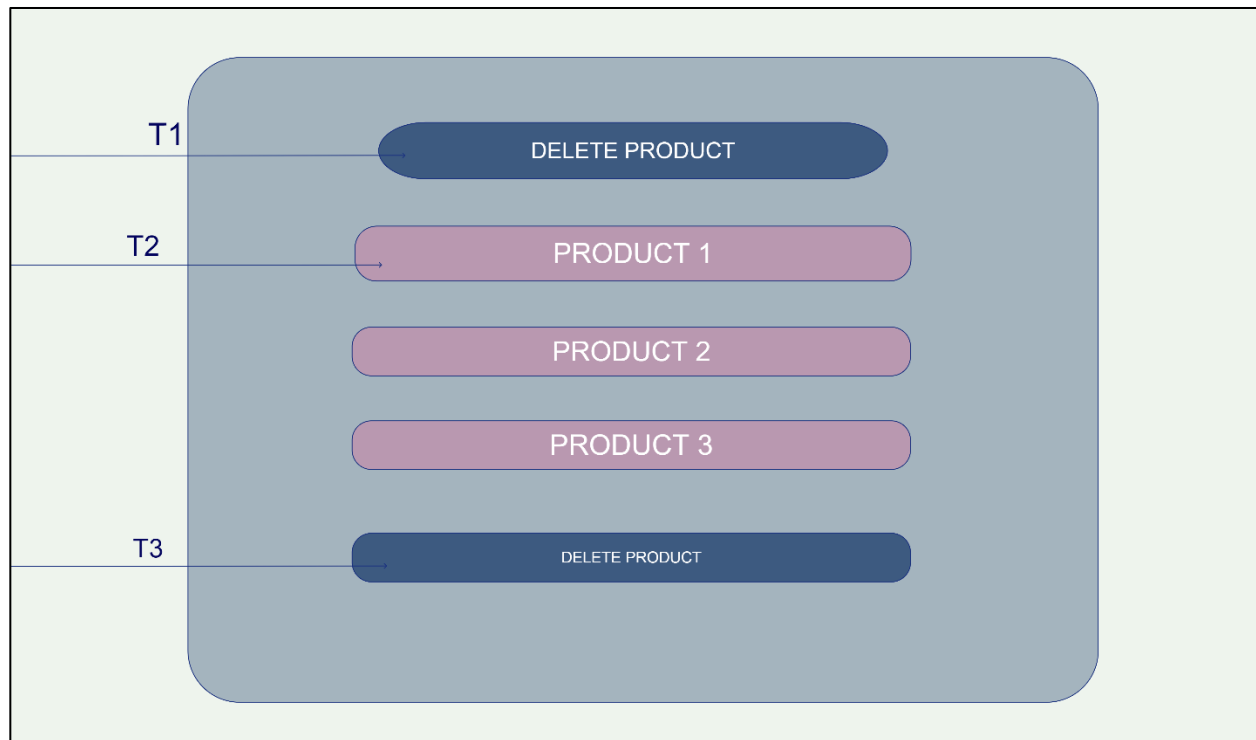


Fig.12.18

Requirement	User	Admin
T1	As a user, heading of delete product is not visible.	As an admin, I shall view the heading of delete product.
T2	As a user, list of users is not visible.	As an admin, I shall view the list of products.
T3	As a user, delete product button is not visible.	As an admin, I shall delete product after clicking button.

Table.12.18

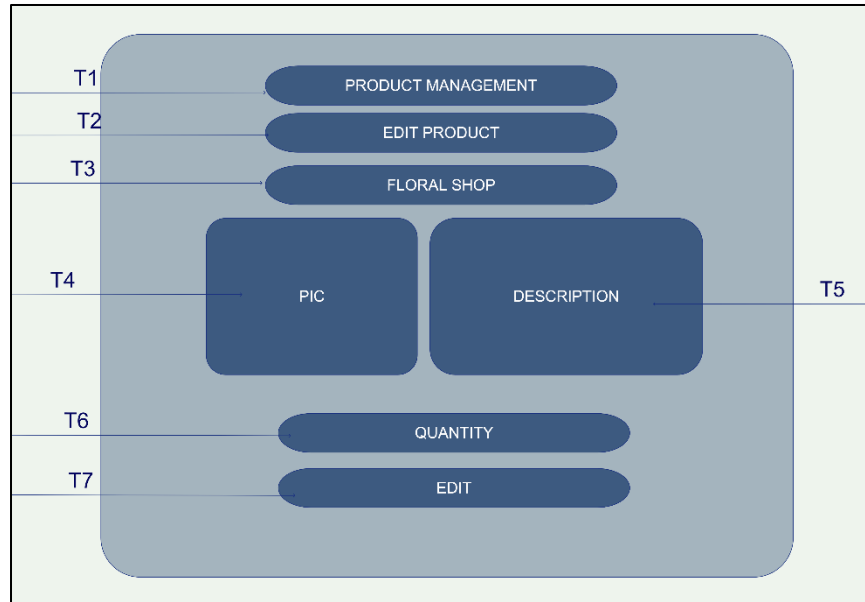


Fig.12.19

Requirement	User	Admin
T1	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T2	As a user, edit product heading is not visible.	As an admin, I shall view edit product heading.
T3	As a user, floral shop heading is not visible.	As an admin, I shall see floral shop heading.
T4	As a user, picture of the product is not visible.	As an admin, I shall edit the picture of product.
T5	As a user, description of the product is not visible.	As an admin, I shall edit the description of product.
T6	As a user, quantity header is not visible.	As an admin, I shall edit quantity of product.
T7	As a user, edit products button is not visible.	As an admin, I shall edit product by clicking the button.

Table.12.19

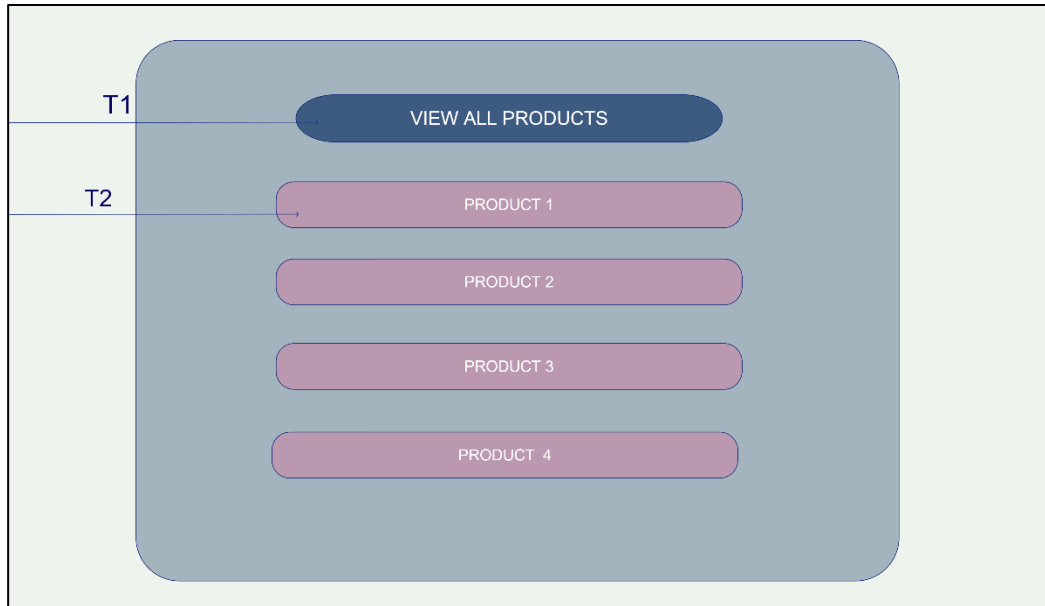


Fig.12.20

Requirement	User	Admin
T1	As a user, heading of view all products is not visible.	As an admin, I shall view the heading of view all products.
T2	As a user, list of products is not visible.	As an admin, I shall view the list of all products.

Table.12.20

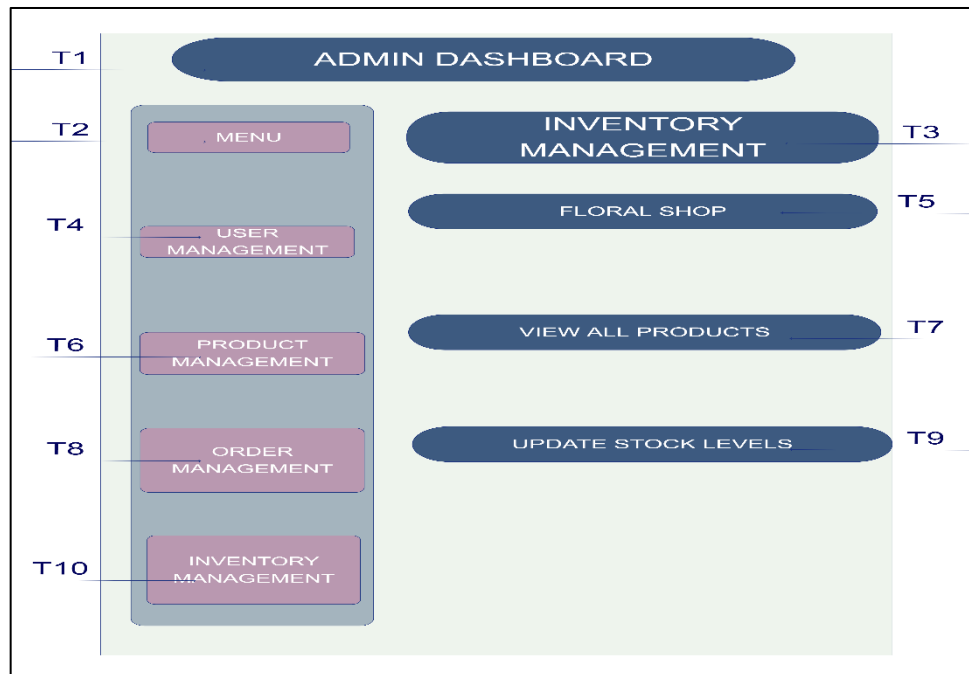


Fig.12.21

Requirement	User	Admin
T1	As a user, heading of admin dashboard is not visible.	As an admin, I shall view the heading of admin dashboard.
T2	As a user, menu heading is not visible.	As an admin, I shall visit menu after clicking menu button.
T3	As a user, heading of inventory management is not visible.	As an admin, I shall view the heading of inventory management.
T4	As a user, option of user management is not visible.	As an admin, I shall open user management page after clicking button.
T5	As a user, floral shop heading is not visible.	As an admin, I shall see floral shop heading.
T6	As a user, heading of product management is not visible.	As an admin, I shall view the heading of product management.
T7	As a user, view all products button is not visible.	As an admin, I shall open view all products page after clicking button.
T8	As a user, heading of order management is not visible.	As an admin, I shall view the heading of order management.
T9	As a user, update stock levels is not visible.	As an admin, I shall update stock levels page after clicking button.
T10	As a user, button of inventory management is not visible.	As an admin, I shall view the button of inventory management.

Table.12.21



Fig.12.22

Requirement	User	Admin
T1	As a user, heading of stock level is not visible.	As an admin, I shall view the heading of stock level.
T2	As a user, list of products is not visible.	As an admin, I shall view the list of all products.
T3	As a user, quantity button is not visible.	As an admin, I shall maintain the quantity of products.

Table.12.22

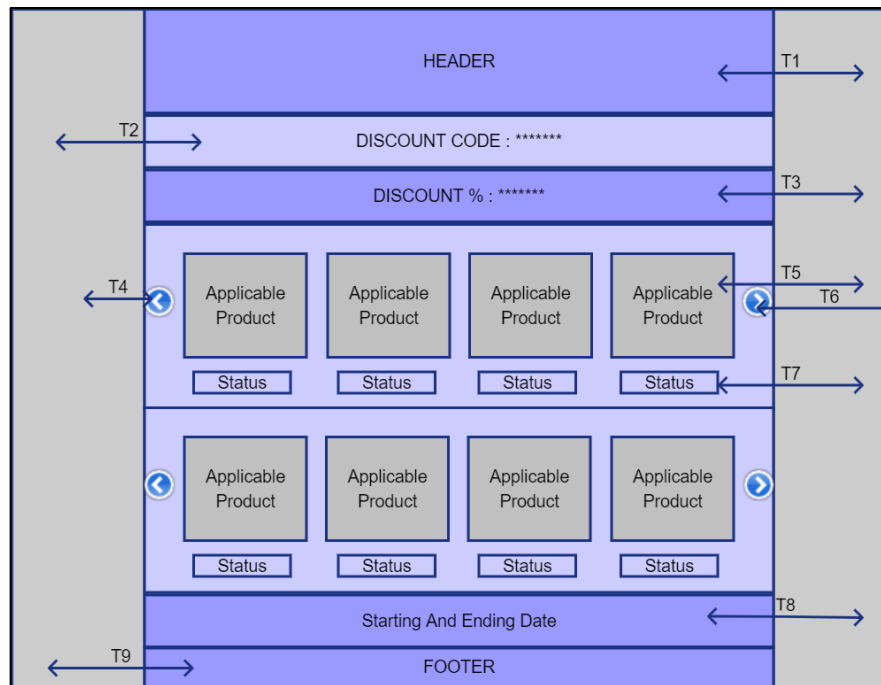


Fig.12.23

Requirement	User	Admin
T1	As a user, I shall not see the header.	As an admin, I shall see the header with relevant information.
T2	As a user, discount code is not visible.	As an admin, I shall see the discount code.
T3	As a user, discount percentage is not visible.	As an admin, I shall see the discount percentage.
T4	As a user, product	As an admin, I shall see the discount code.
T5	As a user, I shall not see the previous button.	As an admin, I shall click previous button to move back.
T6	As a user, I shall not see the forward button.	As an admin, I shall click forward button to move forward.
T7	As a user, I shall not see status of the discount on product.	As an admin, I shall edit the discount status on product.
T8	As a user, I shall not see starting and ending date of discount.	As an admin, I shall edit or see the starting and ending date of discount code on the product.
T9	As a user, I shall not see the footer.	As a user, I shall see/edit footer at the bottom.

Table.12.23

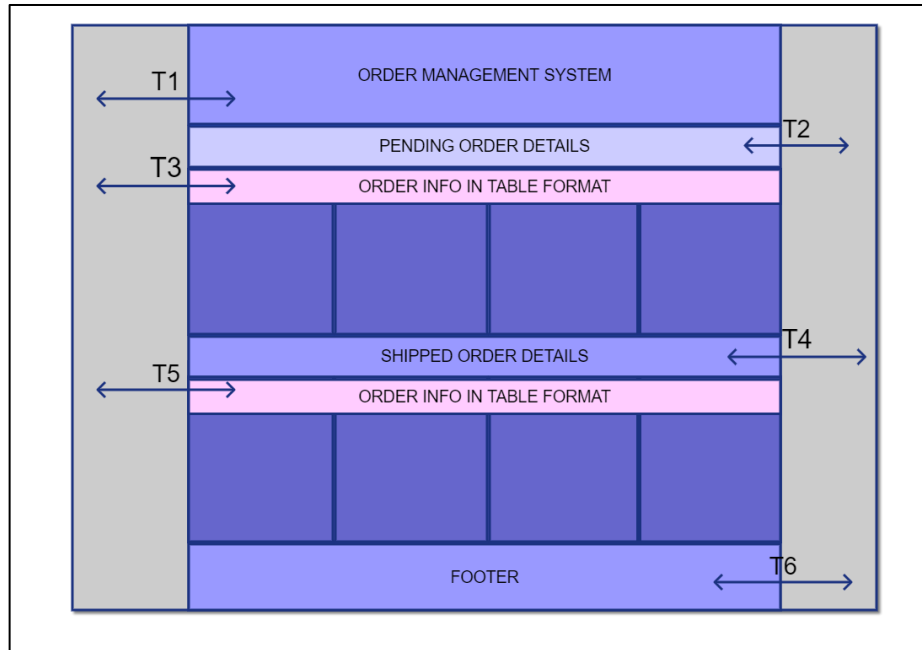


Fig.12.24

Requirement	User	Admin
T1	As a user, I shall view the heading of order management system.	As an admin, I shall write/edit the heading of order management system for the convenience of users.
T2	As a user, I shall see the pending order details.	As an admin, I ensure that pending order details are visible.
T3	As a user, I shall view the heading of order info in table format for pending orders.	As an admin, I shall ensure that heading of order info in table format is visible for pending orders.
T4	As a user, I shall see the shipping order details.	As an admin, I ensure that shipping order details are visible.
T5	As a user, I shall view the heading of order info in table format for shipping orders.	As an admin, I shall ensure that heading of order info in table format is visible for shipping orders.
T6	As a user, I shall see in order to view the footer at the bottom.	As an admin, I shall ensure footer is correctly displayed.

Table.12.24

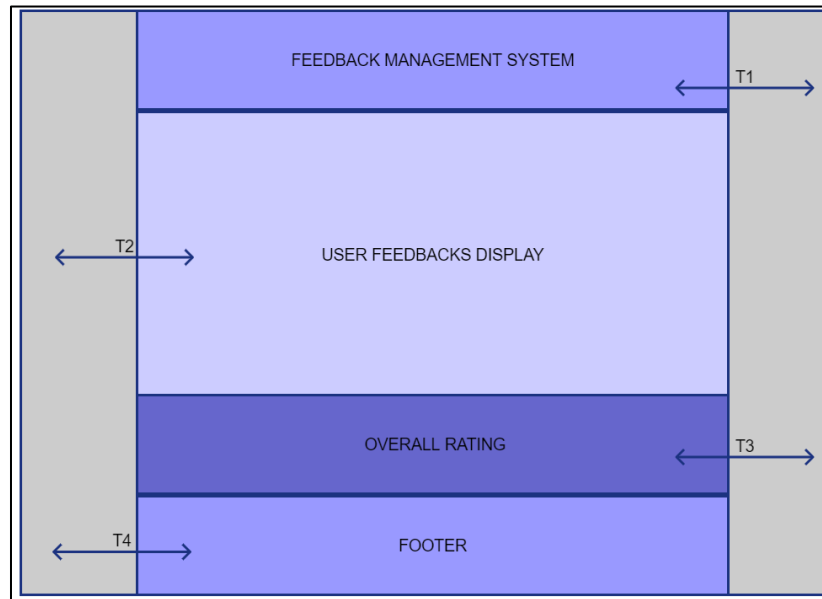


Fig.12.25

Requirement	User	Admin
T1	As a user, I shall see heading of feedback management system.	As an admin, I shall ensure the heading feedback management system is visible.
T2	As a user, I shall see the feedback of other users on product.	As an admin, I shall ensure that feedback of other users on product are visible.
T3	As a user, I shall see the overall rating of other users on product.	As an admin, I shall ensure that overall rating on product are visible.
T4	As a user, I shall see the footer.	As an admin, I shall ensure that footer at the bottom is visible.

Table.12.25

13.Use Cases:

Admin Use Cases:

- Product Management:**

Name	Admin manages product catalogue.	
Actor	Admin	
Goal	To manage products listing.	
Trigger	Admin accesses the product management panel.	
Pre-conditions	Admin is logged in admin dashboard.	
Post-conditions	Products can be viewed, edited or deleted.	
Basic Flow	User	System
	Admin opens the product management panel.	The system displays the list of products.
	Admin clicks the product to edit or delete.	System will open profile of selected product.
	Admin updates or deletes the information of that product.	System processes the updation or deletion.
	Admin confirms the action.	System saves the changes.
Alternate Flow	User	System
	Admin tries to add a product with existing ID.	System checks the database and finds duplicate of ID.
	Admin receives message “Product already in catalogue”.	System displays the message “This action cannot be done”.
	Admin adjust product ID.	System waits for valid product ID or cancellation of request.
Exceptions	Exception	Solution
	Product ID already exists.	Displays message “Product already in catalogue”.
	Invalid product data.	Displays the message “Please fill the required fields correctly”.
Qualities	<ul style="list-style-type: none">Performance: Changes should occur in real time.Usability: System should efficiently handle the product catalogue.	

Table.13.1

- Order Management:

Name	Admin handles customers' orders.	
Actor	Admin	
Goal	To manage orders of customers.	
Trigger	Admin accesses the order management panel.	
Pre-conditions	Admin is logged in admin dashboard.	
Post-conditions	Products can be viewed and updated.	
Basic Flow	User	System
	Admin opens the order management panel.	The system displays the list of customers' orders.
	Admin clicks the order to update.	System loads the order details and allow changes to be made.
	Admin updates the order status.	System processes the updation.
	Admin confirms the action.	System saves the changes.
Alternate Flow	User	System
	Admin selects multiple orders.	System processes the bulk action.
	Admin confirms bulk update.	System provides feedback for each order or displays error for any failure.
Exceptions	Exception	Solution
	Order cannot be found.	Displays message "Order is not valid".
	Unable to update order status.	Displays the message "Cannot update order at this stage".
Qualities	<ul style="list-style-type: none"> • Transparency: Clearly display order statuses. • Usability: Allow bulk order updates for faster processing. 	

Table.13.2

- Inventory Management:

Name	Admin manages inventory levels.	
Actor	Admin	
Goal	Ensure accurate inventory records.	
Trigger	Admin accesses the inventory management panel.	
Pre-conditions	Admin is logged in admin dashboard.	
Post-conditions	Inventory levels can be viewed and maintained.	
Basic Flow	User	System
	Admin opens the inventory management panel.	The system displays the inventory of the required product.
	Admin identifies the item to be maintained.	System highlights low stock items
	Admin updates the inventory levels of the products with low stocks level.	System processes the updation.
	Admin confirms the action.	System saves the changes.
Alternate Flow	User	System
	Admin does not receive low stock notifications.	System checks any errors.
	Admin tries to update inventory.	System displays message “Inventory update failed”.
Exceptions	Exception	Solution
	Low stock notification not received.	Displays message “Error”.
	Unable to update inventory.	Displays the message “Inventory update failed”.
Qualities	<ul style="list-style-type: none"> • Reliability: Ensure real time inventory tracking. • Alertness: Automatic alerts for low-stock level. 	

Table.13.3

- Feedback Management:

Name	Admin analyzes customers' feedback.	
Actor	Admin	
Goal	To view and respond to customers'' feedback.	
Trigger	Admin accesses the feedback management panel.	
Pre-conditions	Admin is logged in admin dashboard.	
Post-conditions	Customers' reviews can be viewed.	
Basic Flow	User	System
	Admin opens the feedback management panel.	The system displays the feedbacks of customers'.
	Admin reviews the feedback entries.	System opens the selected feedback to review.
	Admin selects the feedback to respond.	System processes the request.
	Admin confirms the action.	System saves the changes.
Alternate Flow	User	System
	Admin does not receive low stock notifications.	System checks any errors.
	Admin tries to update inventory.	System displays message "Inventory update failed".
Exceptions	Exception	Solution
	Admin attempts to access feedback panel but encounters an error.	Displays message "Database Error".
	Feedback not found	Displays the message "Feedback not found".
Qualities	<ul style="list-style-type: none"> • Responsiveness: Timely response to feedbacks. • Adaptability: Ability to implement changes based on feedbacks. 	

Table.13.4

- Discount Management:

Name	Admin manages discounts.	
Actor	Admin	
Goal	To view and update discounts.	
Trigger	Admin accesses the discount management panel.	
Pre-conditions	Admin is logged in admin dashboard.	
Post-conditions	Discounts can be viewed, edit and created.	
Basic Flow	User	System
	Admin opens the discount management panel.	The system displays the list of active discounts.
	Admin reviews the existing discounts.	System opens the selected discount to review.
	Admin selects discount to edit or delete.	System processes the request.
	Admin confirms the action.	System saves the changes.
Alternate Flow	User	System
	Admin does not receive low stock notifications.	System checks any errors.
	Admin tries to update inventory.	System displays message “Inventory update failed”.
Exceptions	Exception	Solution
	Admin attempts to access discount panel but encounters an error.	Displays message “Database Error”.
	Discount not found	Displays the message “Discount not found”.
Qualities	<ul style="list-style-type: none"> • Flexibility: Ensures fast application of discounts. • Accuracy: Ensures discounts are applied correctly to products. 	

Table.13.5

User Use Cases:

- Account Registration:

Name	User registers account.	
Actor	User	
Goal	To register user account.	
Trigger	User clicks the SIGN-UP button.	
Pre-conditions	User has a stable internet connection.	
Post-conditions	User is encouraged to verify account.	
Basic Flow	User	System
	User opens the Bloomify website.	System loads the Sign-Up screen.
	User fill in the required details.	The system validates the input format in real time.
	User clicks the sign-up button.	System processes the registration request.
Alternate Flow	User	System
	User navigates to the sign-up page.	System displays the sign-up form with required fields.
	User fills the required details.	The system validates the input format in real time.
	User enters invalid input.	The system displays message: “Please fill the required fields correctly”.
	User corrects the invalid input.	The system revalidates the input.
	User clicks the sign up button.	System processes the registration request.
Exceptions	Exception	Solution
	Invalid input.	Displays message: “Please fill the required fields correctly”.
	Email/Phone already registered.	Displays message: “Email/Phone already registered”.
Qualities	<ul style="list-style-type: none">• Security: Use secure methods for storing information.• Simplicity: Easy to handle registration form.	

Table.13.6

- Login/Logout

Name	User logs into Bloomify website.	
Actor	User	
Goal	To access their account.	
Trigger	User clicks the SIGN-IN button.	
Pre-conditions	User has valid login credentials.	
Post-conditions	User is logged in successfully.	
Basic Flow	User	System
	User opens the Bloomify website.	System loads the Sign-Up screen.
	User fill in the required details.	The system verifies the credentials.
	User clicks the sign-in button.	System processes the login request.
Alternate Flow	User	System
	User clicks forgot password.	System displays password recovery option.
	User provides email/phone number for recovery.	System resets the password.
Exceptions	Exception	Solution
	Invalid credentials.	Displays message: “Incorrect email or password”.
	Account locked.	Displays message: “Account locked due to multiple failed attempts”.
Qualities	<ul style="list-style-type: none"> • Efficiency: Login should be completed in 2-3 seconds. • Accessibility: Provides option for password recovery. 	

Table.13.7

- Profile Management:

Name	User manages their profile.	
Actor	User	
Goal	To update personal information.	
Trigger	User clicks on Profile Management section.	
Pre-conditions	User is logged into their account.	
Post-conditions	User's profile is updated.	
Basic Flow	User	System
	User clicks on Profile Management section.	The system loads the profile management page.
	User updates personal information.	The system validates the input.
	User clicks the save button.	The system processes update and save the changes.
	User's profile is successfully updated.	System provides confirmation of saved changes.
Alternate Flow	User	System
	User cancels the update.	System discards the changes and loads the previous data.
Exceptions	Exception	Solution
	Invalid data.	Display: "Please enter valid information".
	Unable to save changes.	Display: "Error saving changes".
Qualities	<ul style="list-style-type: none"> • Usability: User-friendly interface. • Feedback: Provides confirmation of successful update. 	

Table.13.8

- Product:

Name	User browses products.	
Actor	User	
Goal	To view floral products.	
Trigger	User clicks on "Products" in the menu.	
Pre-conditions	User is on the homepage.	
Post-conditions	User sees available products.	
Basic Flow	User	System
	User clicks on the products button in the menu.	System loads the products.
	User selects a category.	System displays the products in that category.
	User scroll through the list of products.	System loads the products' pictures, descriptions and prices.
	User clicks on a product for details.	System loads the detailed information about the product.
Alternate Flow	User	System
	User applies a filter.	System displays the products that match the filter.
Exceptions	Exception	Solution
	No products found.	Displays: "No products found in this category".
	System error.	Displays: "Error loading the products".
Qualities	<ul style="list-style-type: none"> • Visual Appeal: Attractive layout for products. • Performance: Quick loading times for product images and descriptions. 	

Table.13.9

- Shopping Cart:

Name	User manages their shopping cart.	
Actor	User	
Goal	Modify items in the shopping cart.	
Trigger	User adds products to the cart.	
Pre-conditions	User has products selected.	
Post-conditions	Shopping cart is updated.	
Basic Flow	User	System
	User views their shopping cart.	System shows the current content of the cart.
	User changes the quantity or deletes items.	System processes user's changes.
	User saves the change.	System does recalculation of cart and total.
	User views the updated total cart.	The system shows the updated cart and total price.
Alternate Flow	User	System
	User try to remove an item that is not in the cart.	System displays "item no longer available".
	User attempts to change the quantity of an unavailable item.	System recognizes the item as unavailable.
Exceptions	Exception	Solution
	Product not found in cart.	Display "Item no longer available."
Qualities	<ul style="list-style-type: none"> • Display: Appealing lay-out of products. • Performance: Product images and product information to be loaded quickly. 	

Table.13.10

- Order Placement:

Name	User Places an Order	
Actor	User	
Goal	To order products correctly.	
Trigger	User clicks the "Checkout" button.	
Pre-conditions	User has items in their shopping cart.	
Post-conditions	Order is placed, and the user receives confirmation.	
Basic Flow	User	System
	User checks available items in the cart.	The system will show what is currently in the cart.
	The user selects the "Checkout" option.	It will return a checkout page.
	User writes required information.	The system verifies the facts entered.
	User accepts the order.	System processes the order and initiates payment.
Alternate Flow	User	System
	The user chooses the "Checkout" option.	The system attempts to steer towards the checkout page.
	User reviews cart and then checks out again.	System processes the updated cart.
	User enters shipping and payment information.	System will validate the entered information.
	User accepts the order.	System processes the order and begins payment.
Exceptions	Exception	Solution
	Payment failed	Display: "Transaction failed. Please check your information".
	Failed Order:	Display message "Failed to place order. Please try again."
Qualities	<ul style="list-style-type: none"> • Efficiency: The checkout process should take only about 2-3 minutes. • Security: Totally secure payment processing methods. 	

Table.13.11

- Feedback:

Name	User leaves a feedback.	
Actor	User	
Goal	Provide feedback on products.	
Trigger	User clicks on "Leave a Feedback."	
Pre-conditions	User has purchased the product.	
Post-conditions	Feedback is submitted.	
Basic Flow	User	System
	User clicks on feedback section.	System displays the feedback form.
	User submits the feedback.	System saves the feedback and updates the feedback session.
Alternate Flow	User	System
	User clicks on feedback section.	System displays the feedback form.
	User clicks on feedback section again.	System displays the feedback form.
Exceptions	Exception	Solution
	Feedback not submitted.	Display: "Error displaying feedback".
Qualities	<ul style="list-style-type: none"> Feedback mechanism: Easy process for submitting feedbacks. Transparency: Feedback should be visible to all users. 	

Table.13.12

- Discounts:

Name	User views promotional offers.	
Actor	User	
Goal	Discover available discounts and promotions.	
Trigger	User checks the "Offers" section.	
Pre-conditions	User is logged in.	
Post-conditions	User sees current promotions.	
Basic Flow	User	System
	User clicks the discount section.	System displays the list of current available discounts.
	User clicks an offer to view more details.	System provides detailed information about selected offer.
Alternate Flow	User	System
	User clicks the discount section.	System displays the list of current available discounts.
Exceptions	Exception	Solution
	No offers available.	Display: "No offers available".
Qualities	<ul style="list-style-type: none"> Clarity: Promotions should be clearly displayed. Timeliness: Offers should be updated regularly. 	

Table.13.13

- Search Functionality:

Name	User searches for products	
Actor	User	
Goal	Find specific products quickly.	
Trigger	User enters a keyword in the search bar.	
Pre-conditions	User is on the homepage or products page.	
Post-conditions	Relevant products are displayed.	
Basic Flow	User	System
	User enters a keyword in search bar.	The system process the search query.
	User submits the search.	The system retrieves relevant products from the data base.
Alternate Flow	User	System
	User enters a keyword in search bar.	The system process the search query.
	User submits the search.	The system retrieves relevant products from the data base.
	User submits a search with no matching products.	The system displays: “No items match your search”.
	User attempts but encounters an error.	The system displays: “Error processing your search”.
Exceptions	Exception	Solution
	No products found.	Display: “No products found”.
	System error	The system displays: “Error processing your search”.
Qualities	<ul style="list-style-type: none"> • Speed: Search results should come in seconds. • Relevance: Results should be relevant to query. 	

Table.13.14

14. User Stories

- **Registration**

- As a first-time user,
- I want to create a new account,
- So that I can start surfing and buying them.

- **Login/Logout**

- As a registered user,
- I want to log into my account,
- So that I can see my profile and my orders.

- **Profile Management**

- As a user,
- I want to update/correct my personal information,
- So that my profile gets updated.

- **Products Search**

- As a user,
- I want to find some flower products on the website,
- So that I know where to look for them and order.

- **Shopping Cart**

- As a user,
- I want to add or remove items from my cart.
- So that I might be in charge of what I precisely need to buy.

- **Order Taking**

- As a user,
- I want to place an order easily,
- So that I can receive parcels at home.

- **Review and Feedback**

- As a user,
- I want to express my opinion about products,
- So that I can provide the experience with the website.

- **Discounts**

- As a user,
- I want to see current promotions,
- So that I can take advantage of discounts.

- **Search Functionality**

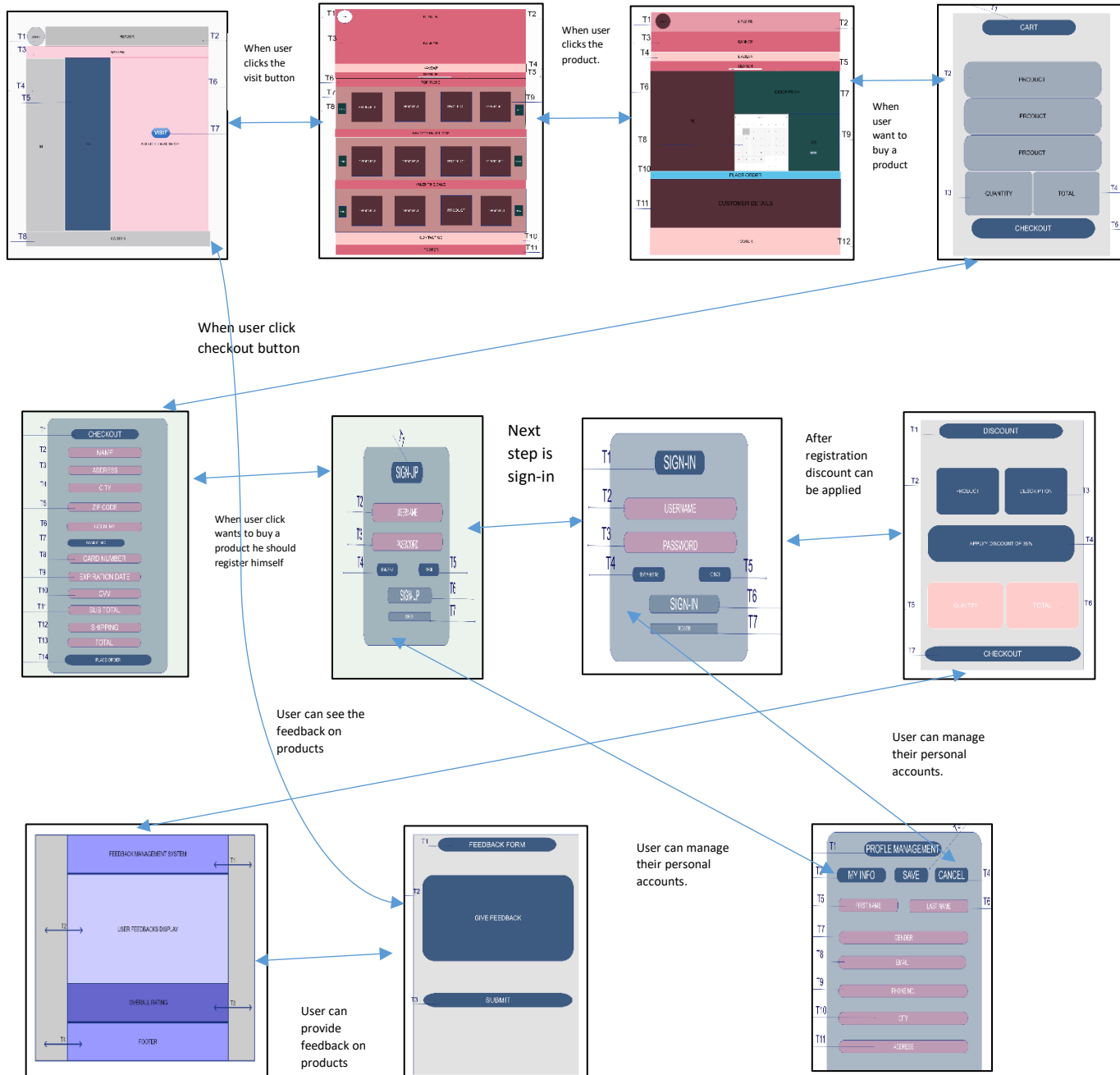
- As a user,
- I want to access products by specific keywords,
- So that I can get everything I need with little trouble.

Admin Stories

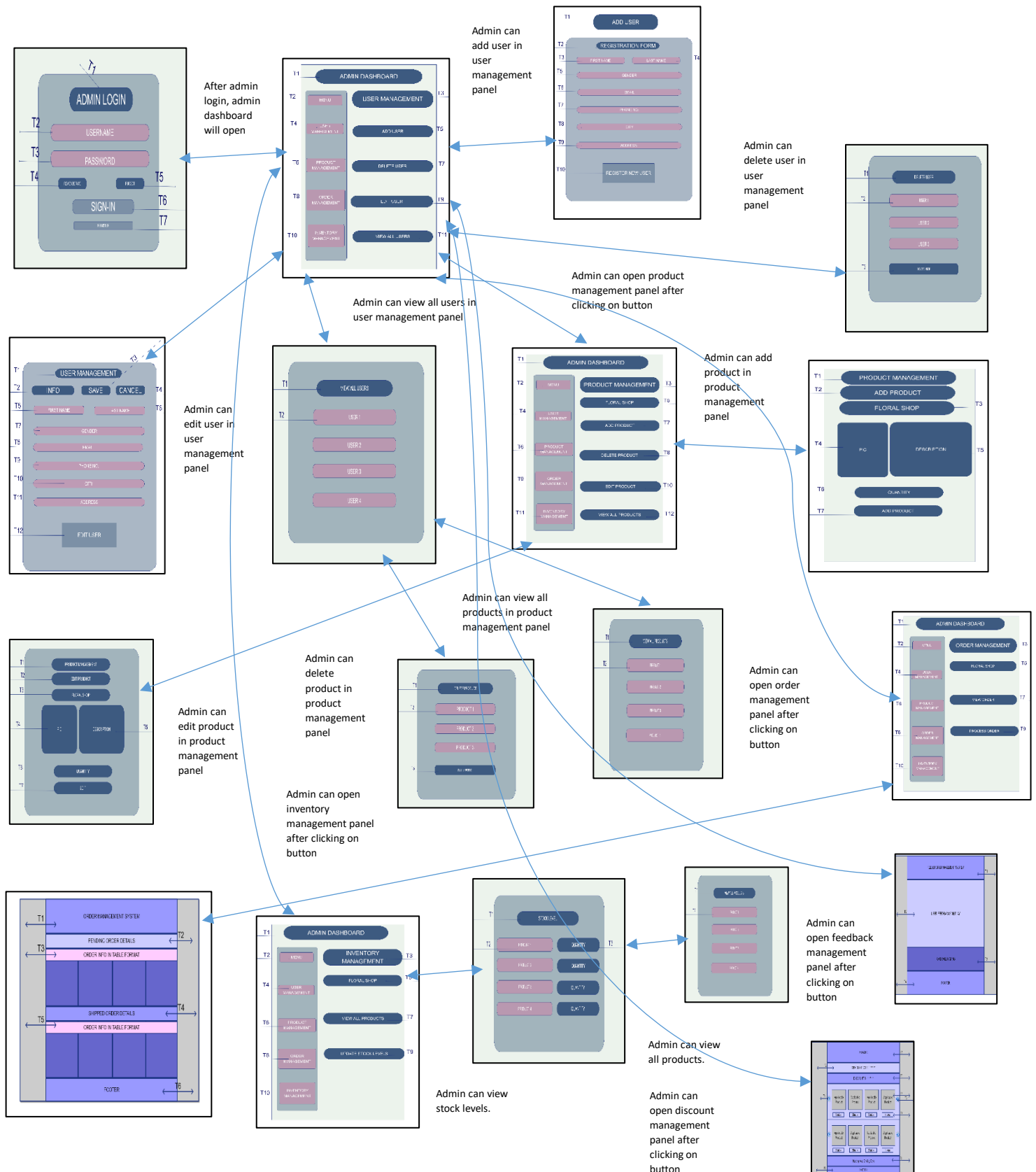
- **Product Management:**
 - As an admin,
 - I want to add or remove items,
 - So that I can keep catalogue updated.
- **Order Management:**
 - As an admin,
 - I want to view, or manage customer orders,
 - So that I can timely address any issue.
- **Inventory Management:**
 - As an administrator,
 - I want to monitor my stock levels,
 - So that I can manage availability of products.
- **Discount Management:**
 - As an admin,
 - I want to create or edit discounts,
 - So that I can increase sales level.
- **Feedback Management:**
 - As an admin,
 - I want to review customers' feedback,
 - So that I can improve my website.

15. Story Board

User Story Board:



Admin Story Board:



16. Proposed Methodology/System

For Bloomify website we have adopted the methodology of **SCRUM AGILE APPROACH**.

We choose this approach because it has following advantages:

- Flexibility: Quick changes according to the demands of customers.
- Improved Collaboration: Daily communication leads to smooth operations.
- Day by Day Improvement: Improves efficiency and work flow.
- Customer Satisfaction: Timely order completion and improved service given to customers.

It has following roles:

- Product Owner
- Scrum Master
- Developing Team



Fig.16.1 [2]

It includes the following steps:

- Sprint
- Sprint Planning
- Daily Scrum
- Sprint Review
- Sprint Retrospective

In the Bloomify shop applying Scrum, events are major tools for work organization and smooth processes. It all begins with Sprint Planning, where the team, guided by the shop owner or manager influencing the role of Product Owner, selects the tasks that should be executed for example, preparing orders, restocking of floral products. Every day, there is a Daily Scrum: a short 15-minute meeting where florists, delivery staff, and customer service get together to discuss progress, exchange information, and iron out issues to make sure everyone is on the same page. A Sprint Review is then conducted at the end of the Sprint in which the team goes through completed tasks related to floral or concluded deliveries. Feedback is also collected from each customer so as to develop better service. It finally ends with the Sprint Retrospective segments that require improvements will be made on delivery processes for streamlining or on stock management. A continuous chain of events will keep the shop flexible, ensure quality in service, and adapt to seasonal trends and customer demand.

METHODOLOGY DIAGRAM

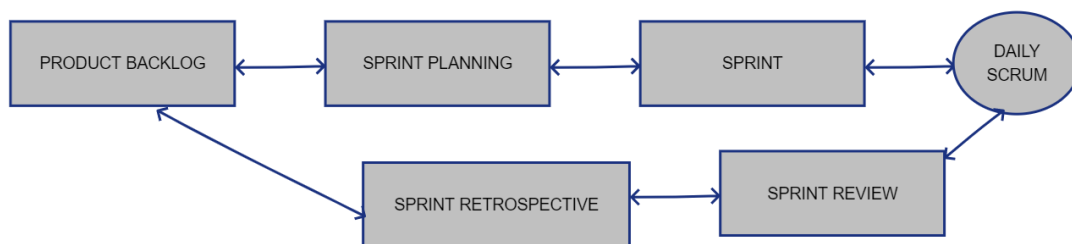


Fig.16.2

17.Related Work

Following are some of the websites present in the market which provide similar floral delivery services:

Blossom Flowers: The screen interface for Blossom Flowers is shown [3]. It allows users to create an account on the website and view different flower arrangements. After selecting an arrangement, users can choose items from the catalog. Once an arrangement is chosen, they are prompted to input their delivery address. Users can view prices, add floral items to their cart, and schedule a delivery or opt for same-day delivery at the given address, after which the order is placed.

ProFlowers: The ProFlowers ordering system is illustrated [4]. Users can browse through various flower arrangements and have them delivered to a specified address. Payment options, such as cash on delivery, are available. Additionally, ProFlowers offers customers the ability to schedule orders in advance for occasions like birthdays, anniversaries, or holidays.

Our project, Bloomify draws inspiration from these platforms while introducing enhanced features aimed at improving floral businesses. A unique aspect of our system is the ability for users to customize floral arrangements and schedule deliveries well in advance. This allows users to pre-order flowers for multiple occasions, such as birthdays and weddings, without worrying about last-minute arrangements. Our platform also offers real-time inventory tracking, ensuring that users only order flowers that are in stock and fresh. By integrating elements of Blossom Flowers and ProFlowers, with additional flexibility in scheduling and customizing orders, our system provides a more user-friendly and efficient solution for both customers and florists.

SHOP 1

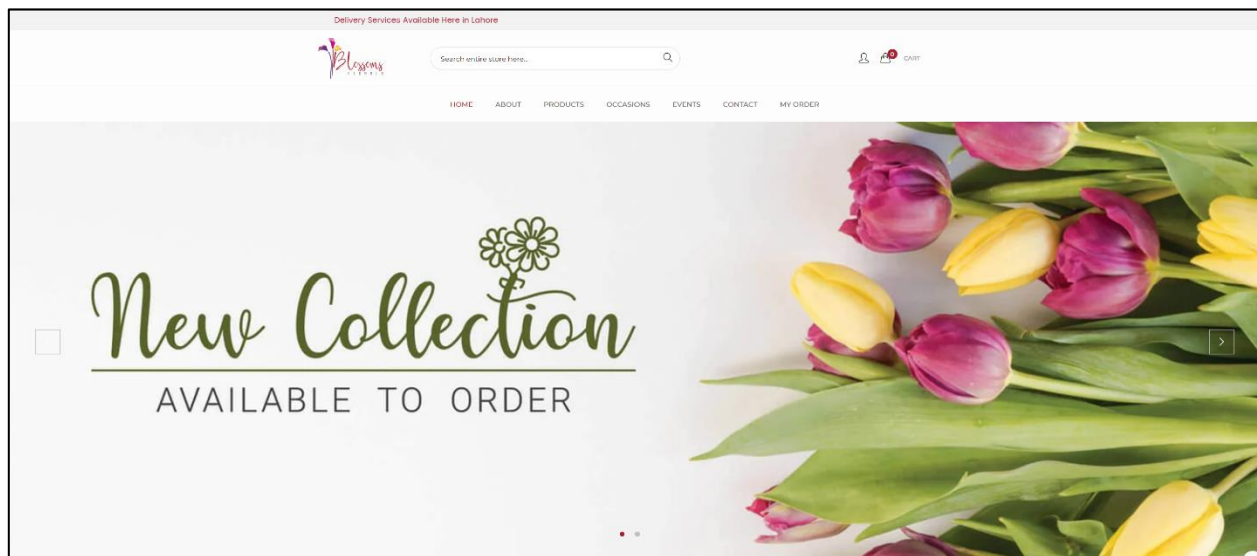


Fig.17.1 Main Page of website

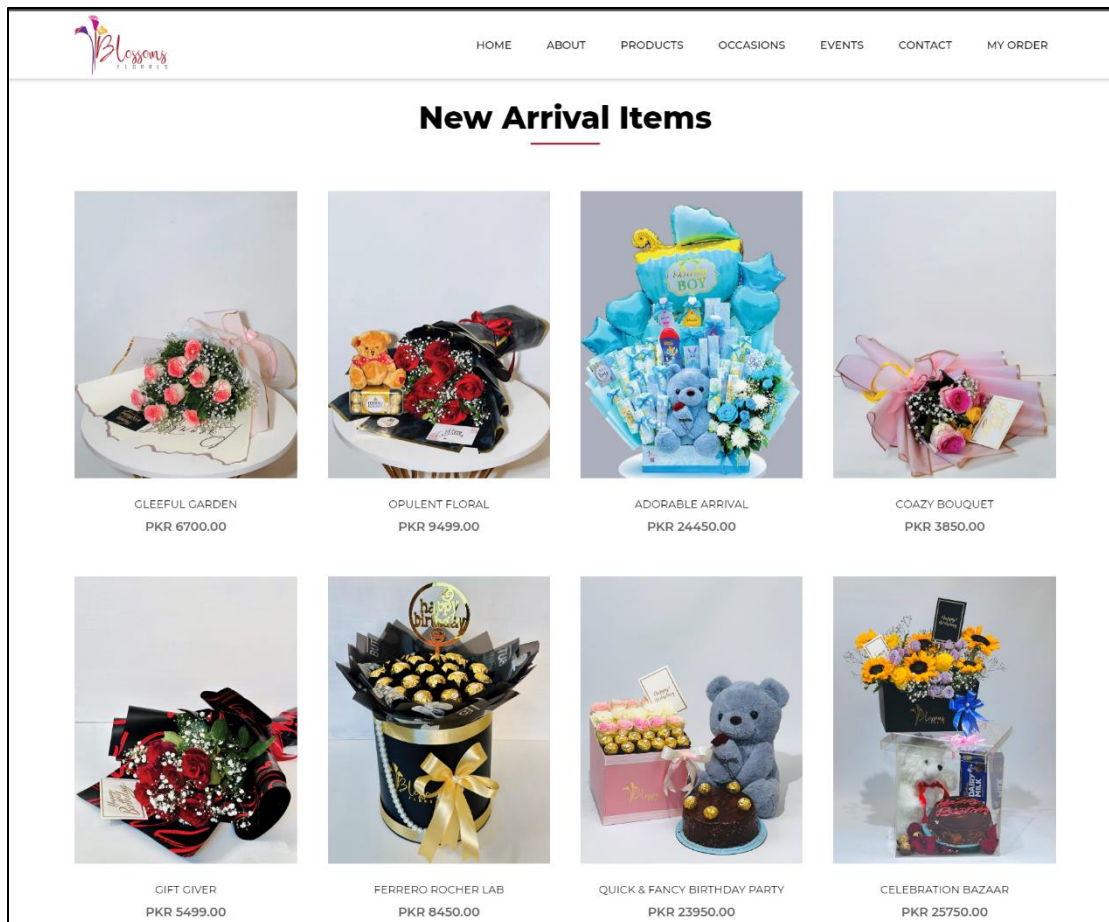


Fig.17.2 Products (New Arrivals)

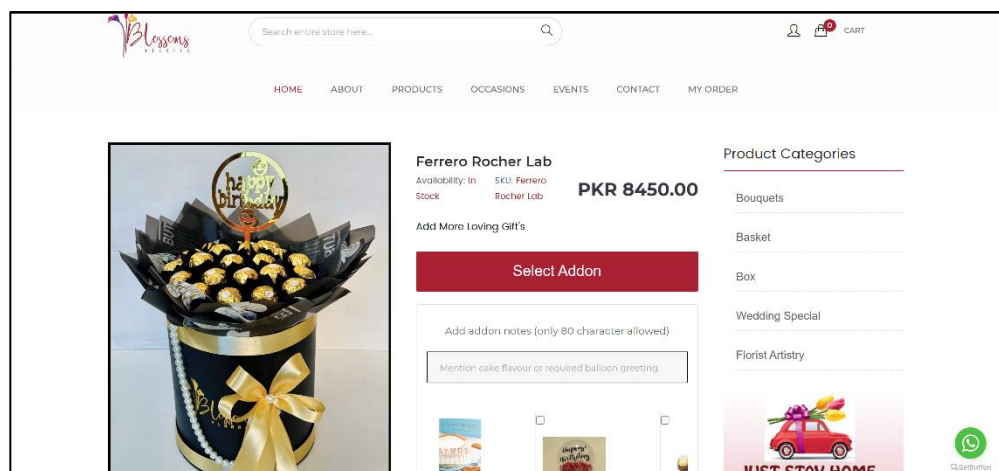


Fig.17.3 Products (Specify Order)

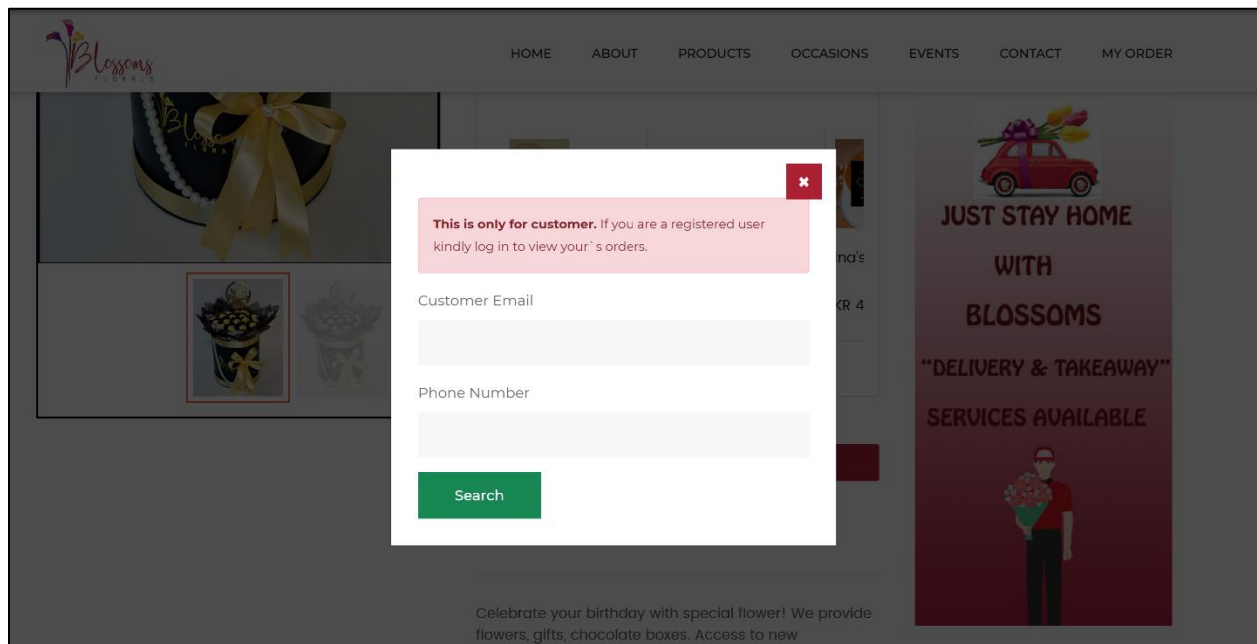


Fig.17.4 Products (Order placed only when user is registered)

SHOP 2

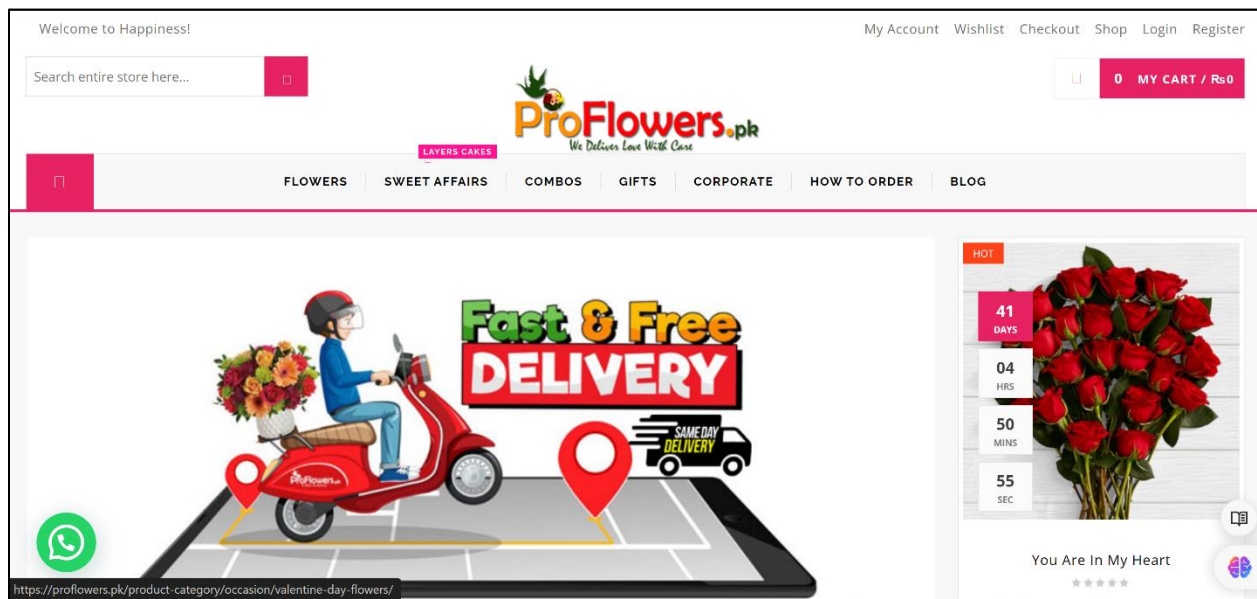


Fig.17.5 Main Page of website

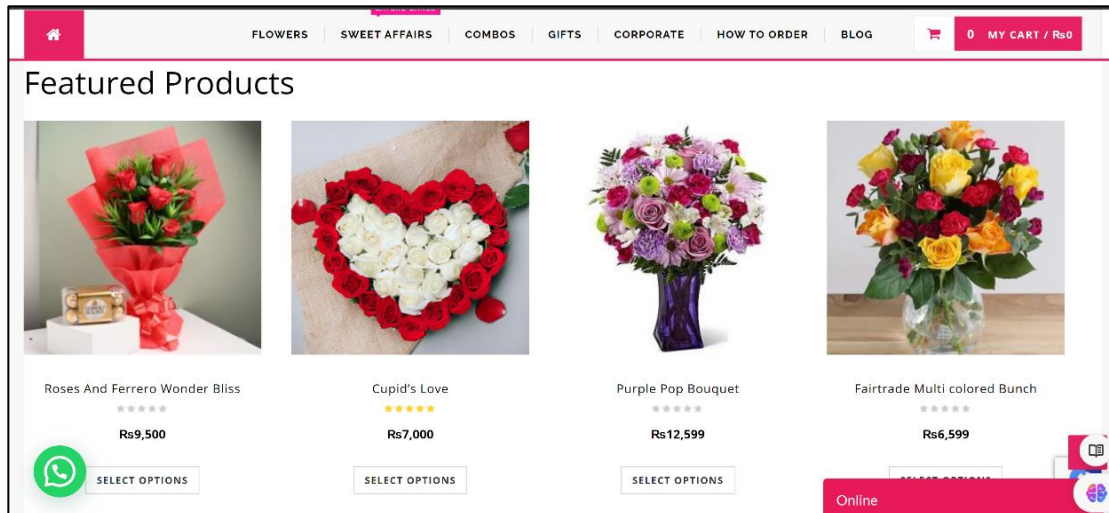


Fig.17.6 Products

The screenshot shows the 'MY ACCOUNT' section of a website. It has a navigation bar at the top with links: FLOWERS, SWEET AFFAIRS, COMBOS, GIFTS, CORPORATE, HOW TO ORDER, BLOG, and a shopping cart icon with '0 MY CART / Rs0'. Below the navigation bar is the 'MY ACCOUNT' title. There are two main sections: 'Login' and 'Register'. The 'Login' section has fields for 'Username or email address' and 'Password', a 'Remember me' checkbox, and a 'LOG IN' button. The 'Register' section has a field for 'Email address', an 'I'm not a robot' checkbox, and a 'REGISTER' button. Both sections include a reCAPTCHA widget. A 'Lost your password?' link is located below the login section.

Fig.17.7 Login

The screenshot shows a product page for 'GESTURE OF LOVE N SWEETNESS'. The product is a bouquet of flowers in a black box, priced at Rs11,999. The page has a navigation bar at the top with links: FLOWERS, SWEET AFFAIRS, COMBOS, GIFTS, CORPORATE, HOW TO ORDER, BLOG, and a shopping cart icon with '0 MY CART / Rs0'. Below the navigation bar is the product title 'GESTURE OF LOVE N SWEETNESS' and the price 'Rs11,999'. There is a 'Quick Overview' section with the text 'Make It's Extra Special'. Below this are several dropdown menus for customization: 'Select Vase' (No Vase), 'Teddy Bears' (No Teddy Bear), 'Add Balloons' (No Balloons), 'Add Birthday Caps' (No Cap), 'Chocolate' (None), and 'Greeting Cards' (No Card). The 'Product Price' is Rs11,999 x 1, and the 'Total' is Rs11,999. There is a '1' in a box, an 'ADD TO CART' button, and an 'Online' status indicator. A WhatsApp icon and a 'Need Help?' button are also visible.

Fig.17.8 Specify Order

18.Team Members Individual Tasks/Work Division:

Zainab Ali Khan:

- Abstract
- Introduction
- Tools and Technologies
- Vision
- Requirements
- Wireframes with Requirements
- Story Boards
- References

Samar Noor:

- Problem Statement
- Objectives
- Scope and Features
- Use Cases
- Data Gathering Approach
- Proposed Methodology/System
- Related Work
- Content Table

19.Timeline/Gantt Chart:

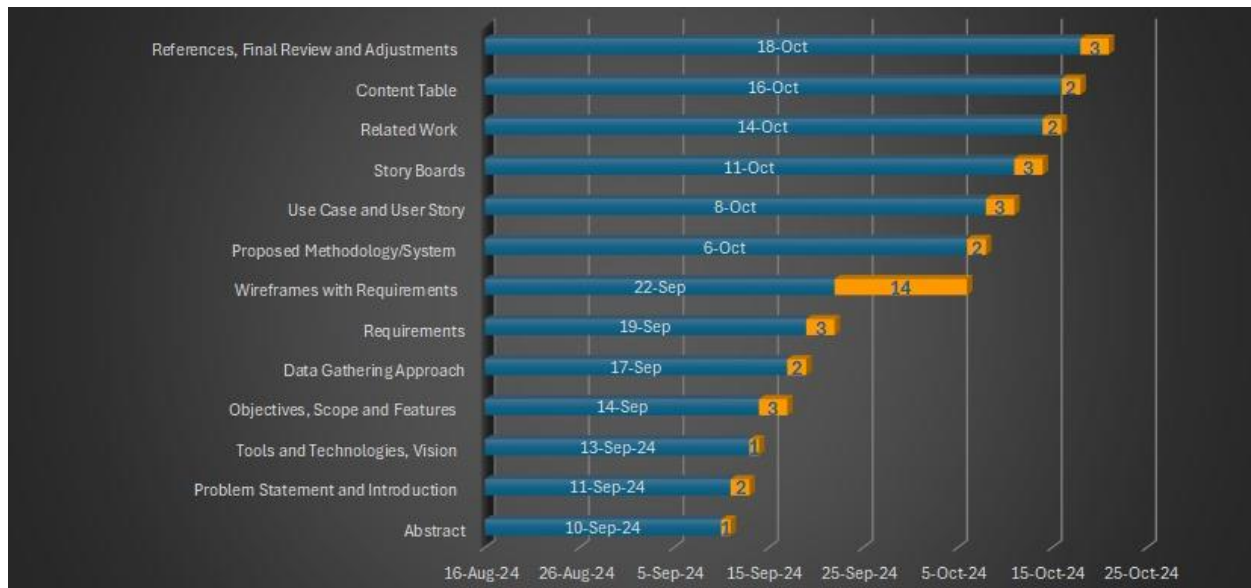


Fig.19.1

20. Data Gathering Approach

Informal interviews with local practicing florists were conducted to learn better about the needs and wants of florists in expanding their business online. Some insights on features, which would be valuable in a floral management system, were gathered. The need for a floral management system to be intuitive enough that it would automatically update stock levels when orders are made was pushed by the florists. Finally, florists reported on the possibility of a feature that would enable them to schedule deliveries so multiple deliveries could be coordinated and hopefully completed within hours. They concluded that the management tool should also include a promotions and discount management system for seasonal sales and marketing efforts to provide them with the capability of attracting and keeping customers. Last, they also highlighted the need for friendly user interfaces that are not too technical and which would not require much training or technical support for non-technical staff.

21. References

[1]Pencil. Admin Dashboard. 2024 ed. Edited by Admin Dashboard: Pencil, 2024.

[2]SoftRizon. "Scrum Agile". 2024.

[3]Flowers B. Blossom Flowers 2024 [Online Floral Shop].

[4] ProFlowers. ProFlowers 2024 [Online Floral Shop].