



TRENDS

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CERTIFICATE

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This is to certify that Mr. / Ms. Tatva Shah studying in Integrated Master of Computer Applications, Semester IX, Roll No ICA-49 has satisfactorily completed his/her Project Titled Trends under the supervision of Prof. Pratvi Soni

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1. INTRODUCTION

- Online shopping is a form of E-commerce which allows consumers to directly buy goods or services from the Internet using a web browser or a mobile app. Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine, which displays the same product's availability and pricing at different e-retailers. As of 2024, customers can shop online using a range of different computers and devices, including desktop computers, laptops, tablet computers and smartphones.
- Online customers must have access to the Internet and a valid method of payment in order to complete a transaction, such as a credit card, or a service such as PayPal. For physical products (e.g., paperback books or clothing). An online store may also be called an e-web-store, e-shop, e-store, Internet shop, web-shop, web-store, online store, online storefront and virtual store. Online stores are usually available 24 hours a day.
- In the present scenario, the biggest market for this (online shopping) business is by highly educated people, mostly. This system has been designed keeping in mind all the aspects such as loading the data, complexity, and maintaining the security of user credentials. Here in this system, complexity refers to the total number of features being provided to users, and their smooth arrangement and functioning required.
- Our clothing store is the base on the customer can easy to buy product in the online website. We provide the online payment system in our website For easy to buy product. The system would be easy to use and hence make the shopping experience pleasant for the users.
- People in large number are doing online shopping today, and it is not only because it is convenient as one can shop from home, but also because there is an number of varieties available, with a high competition of prices, and also it is easy to navigate for searching regarding any particular item.

1.1 EXISTING SYSTEM

- The present scenario for shopping is to visit the shops and market manually and then from the available product list one needs to choose the item he or she wants and then pay for the same item mainly in cash mode is done, as not every society is well educated and aware to use net banking or card modes or wallets etc.
- Also, not really good markets exist everywhere, so many times good markets become out of reach for certain people.
- In the proposed system customers need not go to the shops for purchasing the products.

1.2 NEED FOR THE NEW SYSTEM

- ❖ There are large numbers of commercial Online Shopping websites offering large number of products tailored to meet the shopping interests of large number of customers. These online marketplaces have thousands of products listed under various categories.
- **Convenience:** This is the one of the main reasons that online shopping become so popular, as it allows you to switch stores and products by clicking a button rather than traveling to a new store.
- **No crowds:** You hate crowds when you're shopping. Especially during festivals or special events, they can be such a huge headache. Grumpy, annoying, and smelly people also annoy me when I'm out shopping. Plus, parking becomes a huge issue. All of these problems can be avoided when you "shop online".
- **No need to travel:** People don't usually like to move a lot to get what they want. Of course, nothing can compete with experience of going to a cloth boutique and buying what you want, but normally people just don't want to travel.

1.3 OBJECTIVES OF THE NEW SYSTEM

- The objective of this system is to provide easy assistance to both the customer as well as the merchant with proper database and information.

- The purpose of online clothing store is to save time, save money. Through online clothing store one can save his valuable time. One can watch and select thing he wants buy. Through online clothing store we can save over money because prices are less then market prices and we receive our bought things at home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want.

1.4 PROBLEM DEFINITION

- There are expenses for traveling from house to shop. Moreover the shop from where we would like buy something may not open 24*7. In order to overcome these, we have online clothing store solution. i.e. One place where we can get all required products online.

1.5 CORE COMPONENTS

- ❖ **User Module**
 - Allow to user Sign Up
 - Allow to user Login page
 - Allow to user Shop view
 - Allow to user Cart view
 - Allow to user Payment Get way
 - Allow to user Order view
 - Allow to user Logout
- ❖ **Admin Module**
 - Allow to Admin Login
 - Allow to Admin Manage customer
 - Allow to Admin Manage order
 - Allow to Admin Manage product
 - Allow to Admin Change password
 - Allow to Admin logout

1.6 PROJECT PROFILE

Project Title	Trends
Components/Modules	Admin User
Institute Name	L.J. Institute of Computer Applications
Duration	3 months
Project Internal Guide	Prof. Pratvi Soni
Software used	<ul style="list-style-type: none"> • Framework Laravel • Backend MySQL, PHP
Operating System	Macbook M1Chip
Team Members	<ul style="list-style-type: none"> • Tatva Shah ICA-49 • Umang Patel IET-42 • Aryan Panchal ICA-19

1.7 ASSUMPTIONS AND CONSTRAINTS

- This project can be modified in future according to the need of Customer and administrator.

1.8 ADVANTAGE AND LIMITATIONS OF THE PROPOSED SYSTEM

❖ Advantages

➤ **Shop From Any Location:** -

Online shopping gives you the freedom to choose where you want to shop. You could be lounging on your couch, or even be on your lunch break at work, and you can still shop for "clothing online". This way, you don't have to worry about going anywhere just to go shopping.

➤ **Time to Convenience:-**

Online shopping allows you to save a lot of time and energy. It makes it easier to find the items you want, as you have access to endless brands and online stores from your computer or smartphone.

➤ **A Greater Variety of choices:** -

Shopping for "clothing online" exposes you to a variety of shopping options to choose from. You are no longer limited to the options provided by the physical stores near you.

➤ **Shop Internationally:** -

Online shopping exposes you to a global platform. You are no longer limited to your location when shopping for clothing you can purchase items from your favorite brand at any time and from any place.

➤ **No Crowds:** -

Shopping for "clothing online" allows you to enjoy privacy while you shop. You don't have to experience the discomfort of being in a crowded store, and you won't have to wait in long queues.

❖ Disadvantages

➤ **Delay in the delivery:** -

In case of offline shopping, you can receive the product then and there. But, this does not happen in online shopping.

➤ **You can't touch the product:** -

The sad part of online shopping is, you cannot touch the product and feel how it is.

➤ **You cannot bargain:-**

Indians are good at bargaining. You can bargain only in case of offline shopping, not in the case of online shopping.

2. REQUIREMENT DETERMINATION AND ANALYSIS

2.1 Requirement Determination:

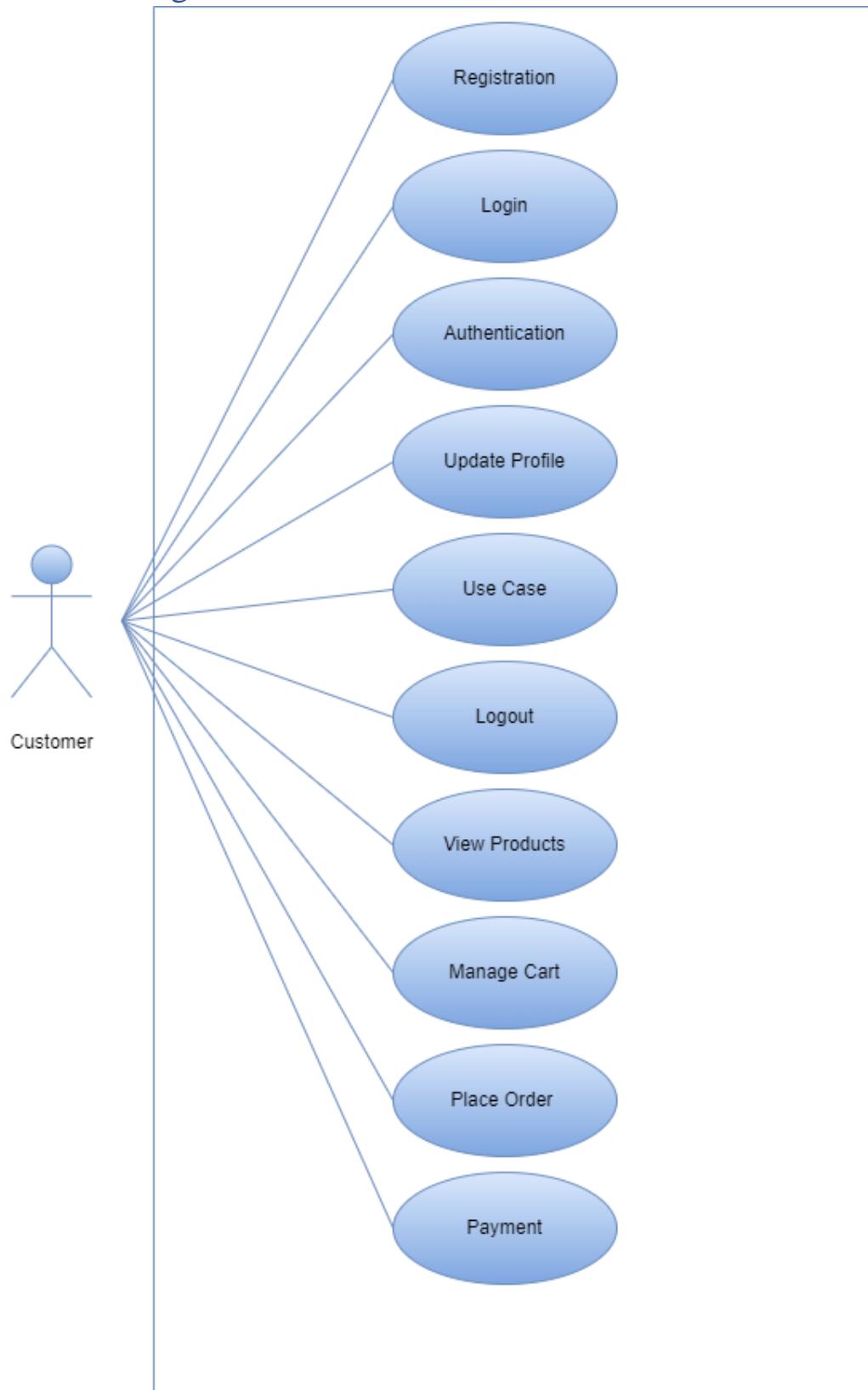
- Gathering requirements for a user-friendly interface, secure payment gateway, efficient inventory management system, and responsive customer support.
- ❖ **Functional Requirement:**
 - Hardware Requirement**
 - Processor: macOS m1 chip
 - RAM: 8GB
 - Hard Disk: 256GB
 - Software Requirement**
 - Operating System: Windows
 - Front-end: Visual Studio code
 - Back-end: MY SQL
- ❖ **Non-Functional Requirement:**
 - **Reliability Requirement:** Our system will provide a reliable environment to both user and admin. All orders should be reaching at the admin without any errors.
 - **Usability Requirement:** This system is designed for user friendly environment and ease of use.
 - **Security:** This system must automatically logged out after all customers inactivity for long duration. The system backend database accessible by only specific administrator.

2.2 TARGETED USERS

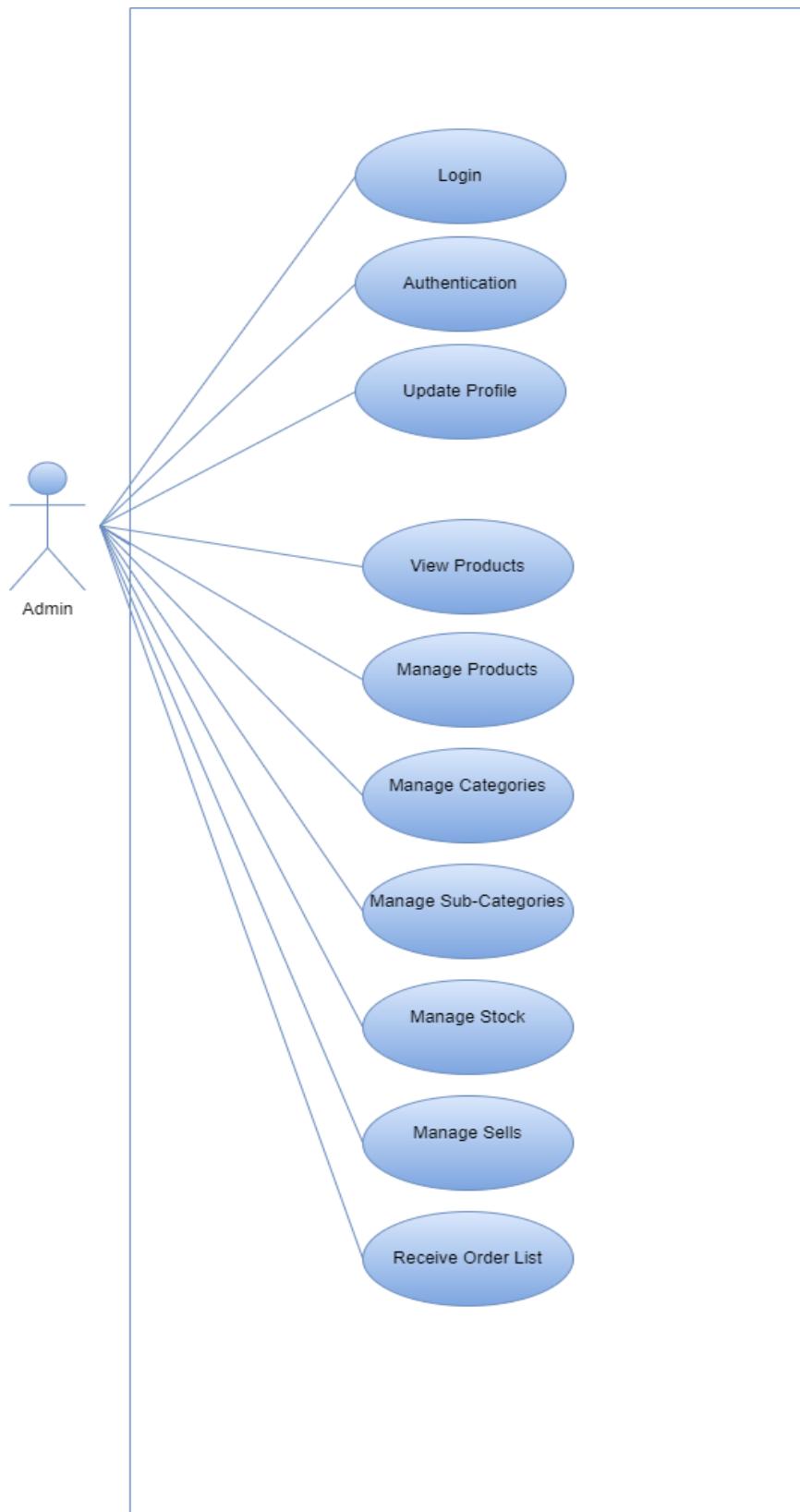
- Any visitor can go through our website and get information about the cloth.
- The User can search the clothes by brands.
- But if they want to place order or add product to cart/purchase then they must have to register and then login.

3. SYSTEM DESIGN

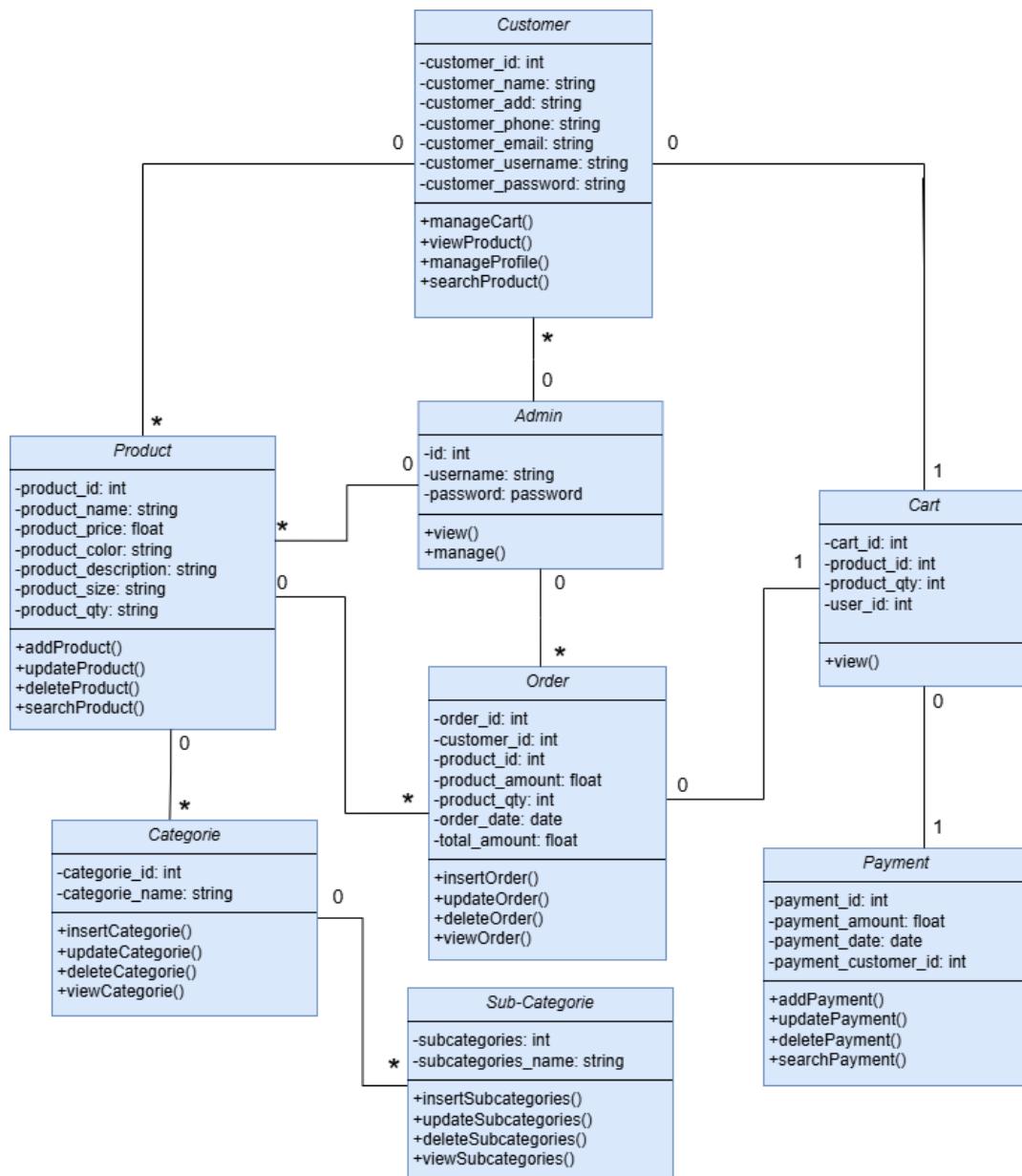
3.1 Use case Diagram:



Use Case Diagram : Admin

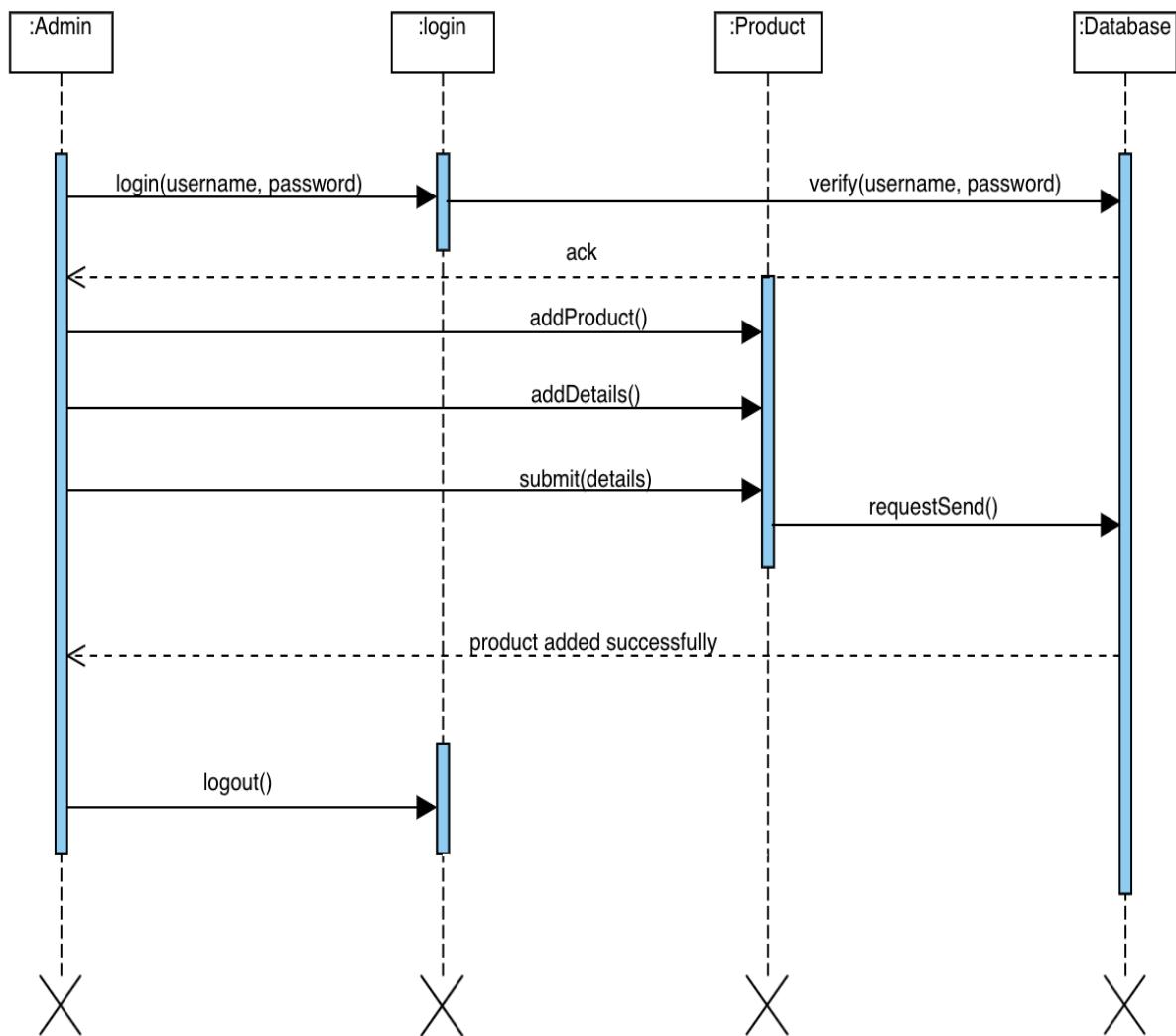


3.2 Class Diagram:

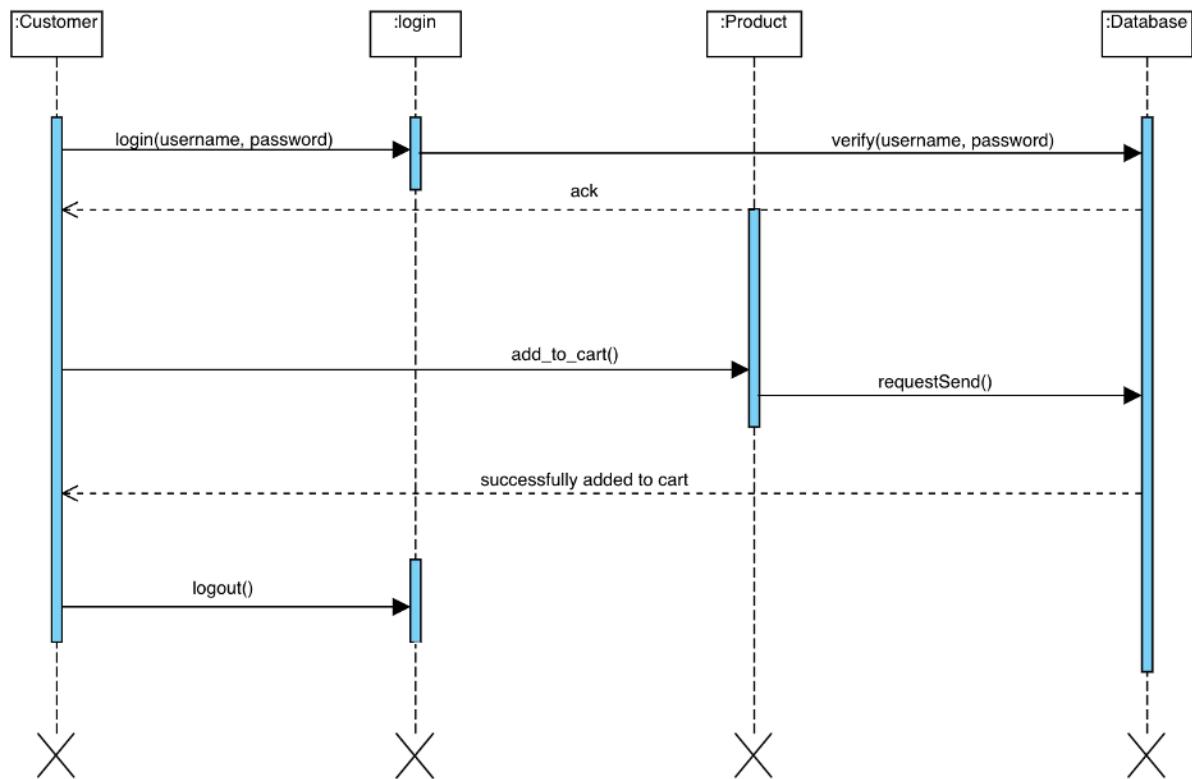


3.3 Interaction Diagram

❖ Admin Add products:

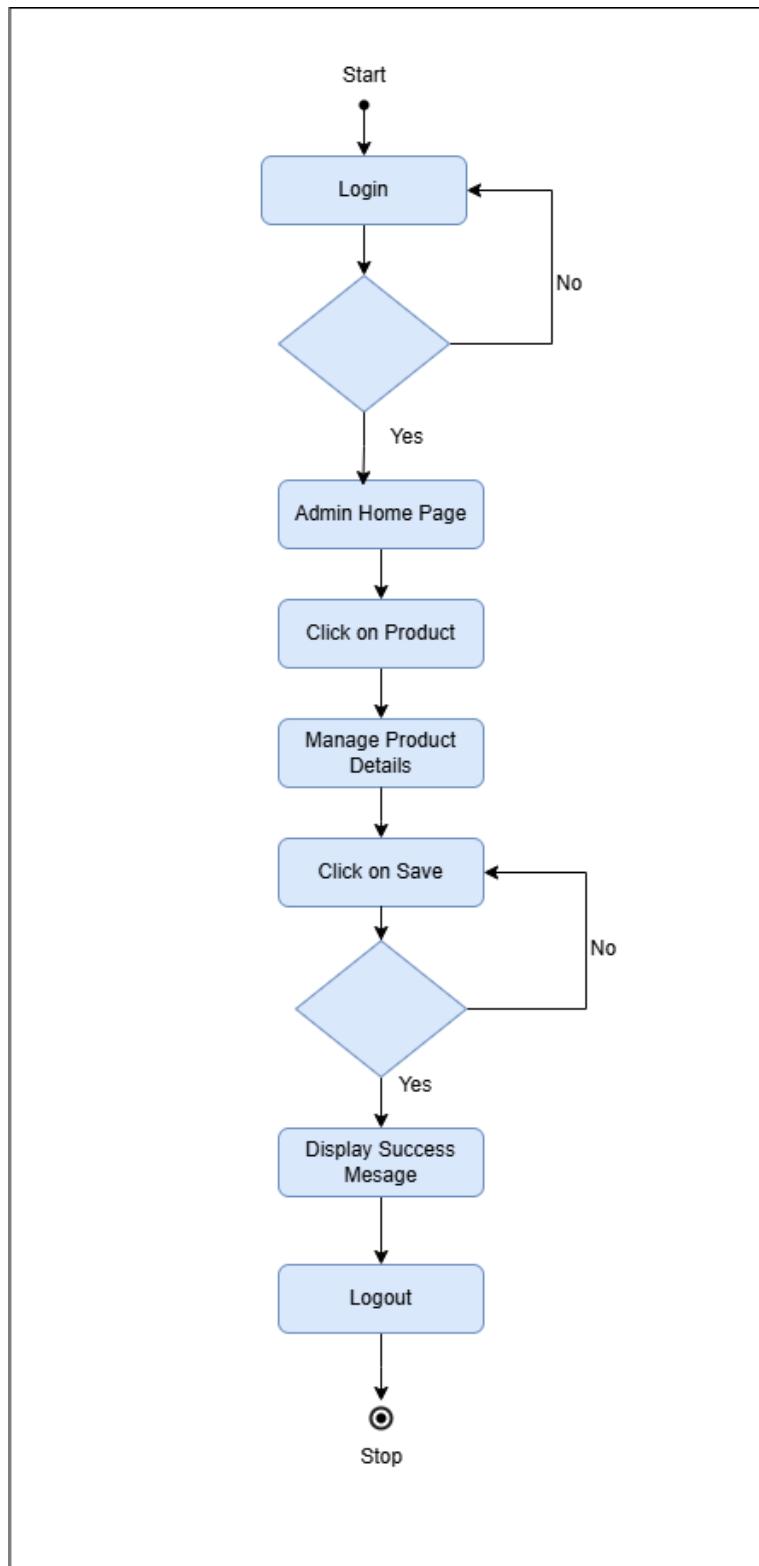


❖ Customer Add Product to Cart:



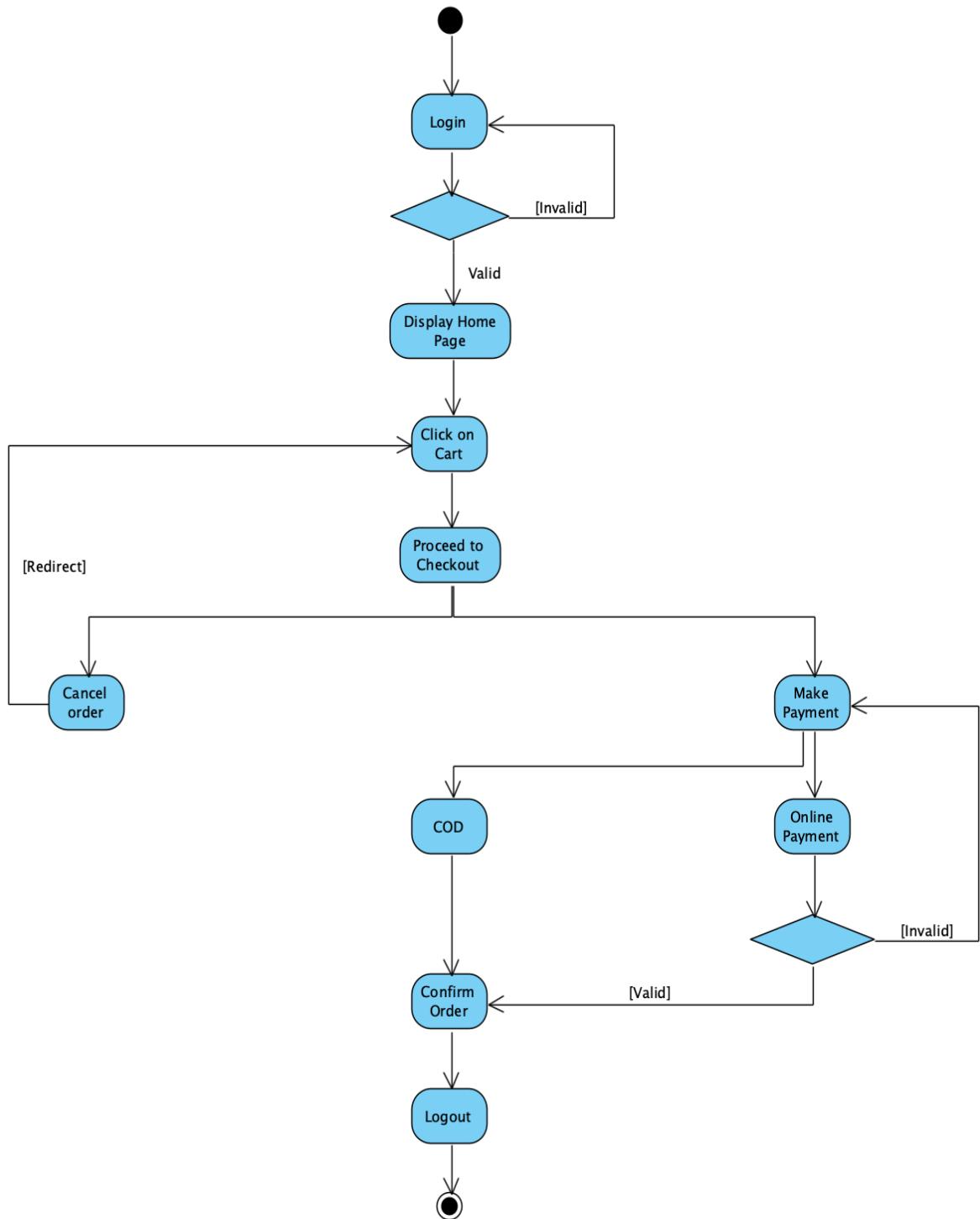
3.4 Activity Diagram

❖ Admin Manage Product:



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❖ Customer Place Order:



3.5 Data Dictionary:

❖ Table Name: Registration

Field	Type	Size	Constraint	Description	Example
User_id	Int	11	Primary key	Id of user	1
F_name	Varchar	50	-	First Name of user	Uman
L_name	Varchar	30	-	Last Name of user	Patel
Email	Varchar	20	Unique key	Email-id of user	abc@gmail.com
Username	Varchar	20	Unique key	Username	Abcd
Password	Varchar	15	-	Password	1234
Phone no	int	10	Unique key	Phone no	1234567890
address	varchar	50	-	Address	1,Ahmedabad

❖ Table Name: Category

Field	Type	Size	Constraint	Description	Example
Category_id	int	20	-	category	1
Category_name	Varchar	20	Unique key	Category name	External Kids, Men, Women, accessories

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❖ Table Name: Sub- category

Field	Type	Size	Constraint	Description	Example
Sub-category_id	int	10	-	Sub-category	1
Sub-category_name	Varchar	20	Unique key	Sub-category name	Different type of clothing

❖ Table Name: Order

Field	Type	Size	Constraint	Description	Example
Order_id	Int	15	Primary Key	Id of Order	7996
Order_date	Date	-	Date	Date of Order	29-02-2024
Customer_id	Varchar	15	-	Name of Customer	Tatva
Cart_id	Varchar	20	-	Product name	Men T-shirt

❖ Table Name: Products

Fields	Type	Size	Constrain	Description	Example
Product_id	Int	12	Primary key	Unique id	12345678902
Product_name	Varchar	25	Foreign key	Name of product	Adidas, PUMA, ZARA etc.
Product_price	int	10	-	Price of product	5000
Product_description	char	50	Foreign key	Product description	Information
Product_image	image	6	-	Product image	Image

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❖ Table Name: Cart

Field	Type	Size	Constraint	Description	Example
Cart_id	Int	15	Primary Key	Id of Booking	77
Product_id	Varchar	50	Unique key	Name of cloth	Adidas, PUMA, ZARA etc.
Total_quantity	Int	20	-	Total cloth	3
Price	Int	20	-	Price of clothes	2500

❖ Table Name: Payment

Field	Type	Size	Constraint	Description	Example
Customer_id	Int	15	Primary_Key	Id of Customer	155000
Order_id	int	10	Unique_key	Order name	10
Cash/ online/upi	Varchar	20	-	Payment	
Amount	Int	20	-	Price of Product	2000/-

4. Development

4.1 Coding Standards

- ❖ Coding Style
- The following should be kept in mind to maintain a coding style. Such are, Layout, Format, Indentation, organizing code meaningfully, code must be readable and consistent which makes it easy to understand and maintain further.

❖ Formatting

- Always use comments for description.
- Always use curly braces {and} in conditional statements.

Example:

```
if (condition)
{
    // comment
}
```

- Order declarations within type groups based upon access modifier and their accessibility.
 - Public
 - Protected
 - Internal
 - Private

❖ Commenting

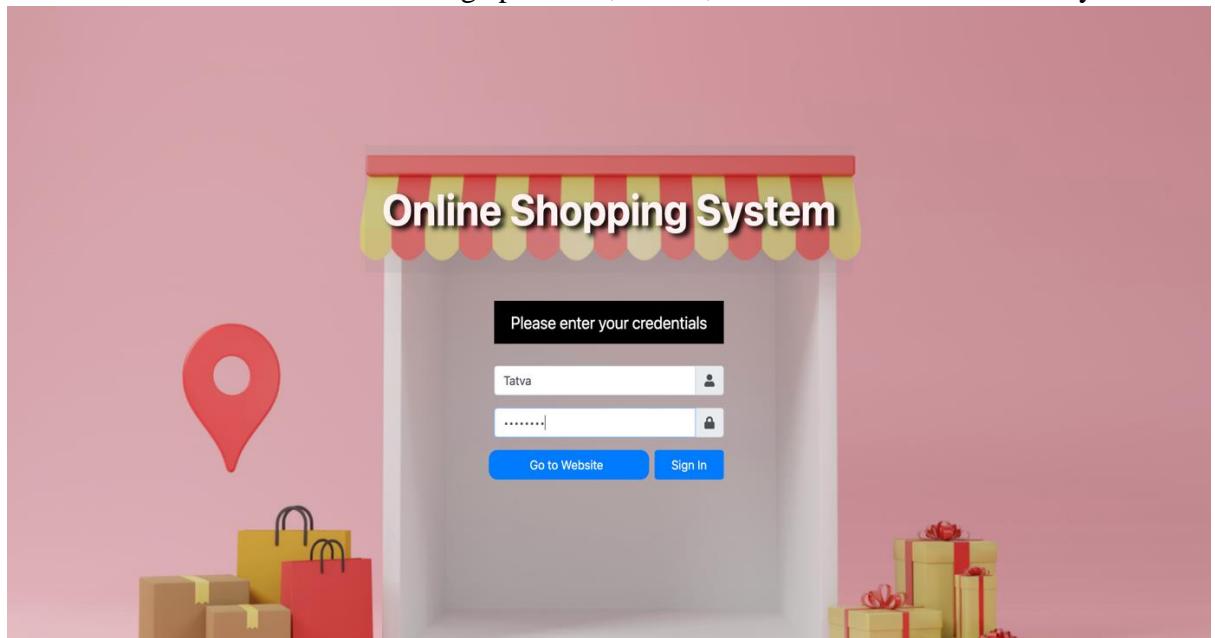
- All comments should be written in U.S. English.

Use # or “””...””” but do NOT use /* */.

4.2 Screen Shots

❖ Admin

1. Admin Login : The admin login for an eCommerce website provides secure access for authorized users to manage products, orders, and customer data efficiently.



2. Admin Dashboard: The admin dashboard is a centralized interface for managing sales, inventory, and customer data on an eCommerce website.

3. Admin Product list : The admin product list allows administrators to manage, edit, and track inventory for all products in the eCommerce store.

#	Name	Brand	Specs	Status	Action
1	Adidas men t-shirts	Adidas	Lore...	Active	Action
2	adidas Mens Drogo M Running Shoe	Adidas	Lore...	Active	Action
3	boy kid	NULL	Lore...	Active	Action
4	girl kid	NULL	Lore...	Active	Action
5	Kutri	NULL	Lore...	Active	Action
6	SOJANYA	NULL	Lore...	Active	Action
7	Tital watch	NULL	Lore...	Active	Action
8	Women waer	NULL	Lore...	Active	Action

Showing 1 to 8 of 8 entries

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4. Admin Update Product : The admin update product feature enables administrators to modify product details such as price, description, and inventory levels within the eCommerce platform.

The screenshot shows the 'Update Product' form within the 'Online Shopping System'. The left sidebar contains navigation links for Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance (Brand List, Category List, Sub Category List, Settings), and a dark mode switch. The main form fields include:

- Brand:** Adidas
- Category:** Men
- Sub Category:** Clothing
- Product Name:** Adidas men t-shirts
- Specs:** A rich text editor containing placeholder text about product details.
- Status:** Active
- Images:** A section for uploading product photos, showing three images of a man in a black t-shirt and pants. Each image has a red trash icon to its right.

At the bottom of the form are 'Save' and 'Cancel' buttons. A footer bar at the bottom of the page reads 'Developed By: Tatva Shah & Umang Patel'.

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5. Admin Inventory list : The admin inventory list displays all products in the eCommerce store, allowing administrators to track stock levels, manage quantities, and update item details efficiently.

The screenshot shows the 'List of Inventory' page. The table has the following data:

#	Product	Price	Stock	Action
1	Adidas men t-shirts Brand: Adidas	1,500	14	Action ▾
2	SOJANYA Brand: NULL	3,500	20	Action ▾
3	Tital watch Brand: NULL	5,000	24	Action ▾
4	Women waer Brand: NULL	3,500	20	Action ▾
5	Kutri Brand: NULL	3,000	40	Action ▾
6	girl kid Brand: NULL	3,500	10	Action ▾
7	boy kid Brand: NULL	1,500	60	Action ▾
8	adidas Mens Dromo M Running Shoe Brand: Adidas	4,500	100	Action ▾

Showing 1 to 8 of 8 entries

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6. Admin Add Inventory : The admin add inventory feature allows administrators to increase stock levels by adding new products or updating existing quantities in the eCommerce platform.

The screenshot shows the 'Update Inventory' page. The form has the following fields:

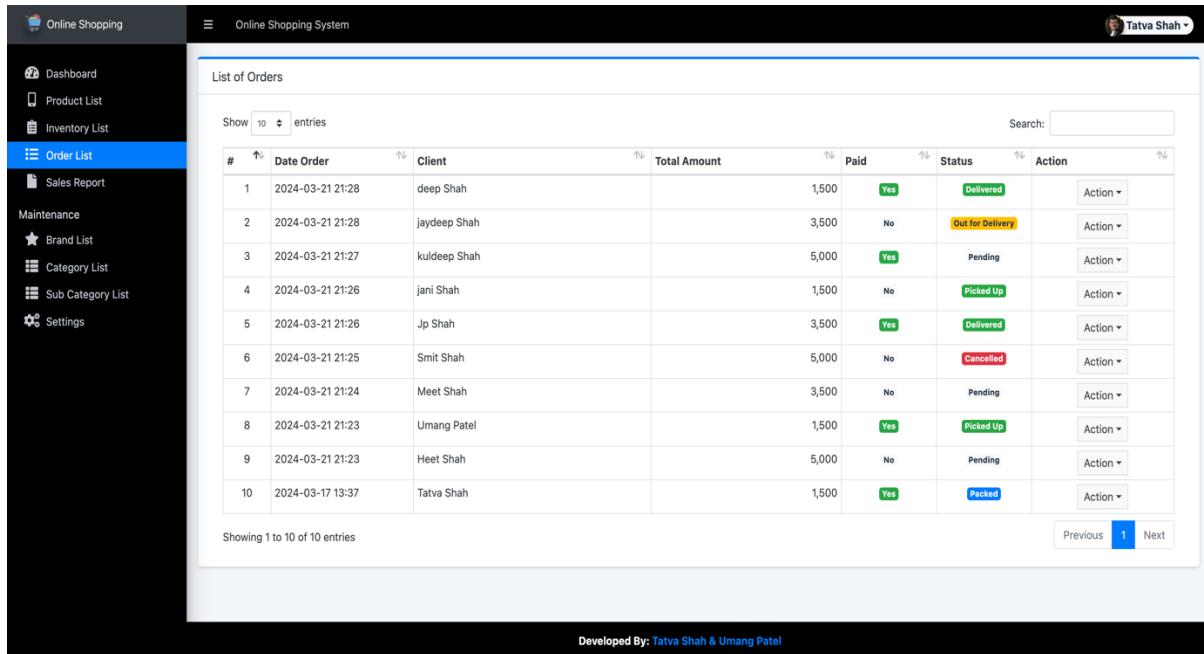
Product	Tital watch
Beginning Quantity	25
Price	5000

Save Cancel

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7. Admin Order list : The admin order list provides a comprehensive view of all customer orders, allowing administrators to manage order details, update statuses, and track fulfillment within the eCommerce platform.



The screenshot shows the 'List of Orders' page in the 'Online Shopping System'. The left sidebar has a dark theme with white icons and text, showing links like Dashboard, Product List, Inventory List, Order List (which is highlighted in blue), Sales Report, Maintenance, Brand List, Category List, Sub Category List, and Settings. The main content area has a light background with a header 'List of Orders'. It includes a search bar and a table with 10 entries. The table columns are: #, Date Order, Client, Total Amount, Paid, Status, and Action. The data in the table is as follows:

#	Date Order	Client	Total Amount	Paid	Status	Action
1	2024-03-21 21:28	deep Shah	1,500	Yes	Delivered	Action ▾
2	2024-03-21 21:28	jaydeep Shah	3,500	No	Out for Delivery	Action ▾
3	2024-03-21 21:27	kuldeep Shah	5,000	Yes	Pending	Action ▾
4	2024-03-21 21:26	jani Shah	1,500	No	Picked Up	Action ▾
5	2024-03-21 21:26	Jp Shah	3,500	Yes	Delivered	Action ▾
6	2024-03-21 21:25	Smit Shah	5,000	No	Cancelled	Action ▾
7	2024-03-21 21:24	Meet Shah	3,500	No	Pending	Action ▾
8	2024-03-21 21:23	Urmang Patel	1,500	Yes	Picked Up	Action ▾
9	2024-03-21 21:23	Heet Shah	5,000	No	Pending	Action ▾
10	2024-03-17 13:37	Tatva Shah	1,500	Yes	Packed	Action ▾

Showing 1 to 10 of 10 entries

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8. Admin Order Update : The admin order update feature allows administrators to change the status of customer orders, such as marking them as processed or completed, directly from the admin panel.

The screenshot shows the 'Online Shopping System' admin interface. On the left, there's a sidebar with navigation links like Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance (Brand List, Category List, Sub Category List), and Settings. The main content area displays an order details page for a client named 'deep Shah' with a delivery address of 'Sample Address'. The order table shows one item: 'Adidas men t-shirts' at a price of 1,500. Below the table, it says 'Payment Method: cod' and 'Payment Status: Paid'. The 'Order Type' is listed as 'For Delivery'. A modal window is open, showing a dropdown menu for selecting an order status. The options are: Pending, Packed, Out for Delivery, Picked Up, Delivered (which is selected and highlighted in blue), and Cancelled. At the bottom of the modal are 'Save' and 'Cancel' buttons. In the top right corner of the main content area, there's a button labeled 'Delivered' with a green background. The footer of the page includes the text 'Developed By: Tatva Shah & Urmang Patel'.

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9. Admin Sales Report : The admin sales report provides detailed insights into overall sales performance, including total revenue, order counts, and product performance metrics within the eCommerce platform.

#	Date Time	Product	Client	QTY	Amount
1	2024-03-21 21:28:46	deep Shah brand: Adidas Email: deep@gmail.com	deep Shah	1	1,500
2	2024-03-21 21:28:20	jaydeep Shah brand: NULL	jaydeep Shah	1	3,500
3	2024-03-21 21:27:57	kuldeep Shah brand: NULL	kuldeep Shah	1	5,000
4	2024-03-21 21:26:39	jani Shah brand: Adidas	jani Shah	1	1,500
5	2024-03-21 21:26:09	Jp Shah brand: NULL	Jp Shah	1	3,500
6	2024-03-21 21:25:43	Smit Shah brand: NULL	Smit Shah	1	5,000
7	2024-03-21 21:24:19	Meet Shah brand: NULL	Meet Shah	1	3,500
8	2024-03-21 21:23:54	Umang Patel brand: Adidas	Umang Patel	1	1,500
9	2024-03-21 21:23:01	Heet Shah brand: NULL	Heet Shah	1	5,000
10	2024-03-17 13:37:18	Tatva Shah brand: Adidas	Tatva Shah	1	1,500

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10. Admin Sales Report PDF : An admin sales report PDF is a detailed document that summarizes sales activities, performance metrics, and trends over a specified period, often generated for analysis and decision-making in an eCommerce context.

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11. Admin Brand list : The admin brand list displays all brands associated with products in the eCommerce store, allowing administrators to manage brand details and categorize products effectively.

The screenshot shows the 'List of Brands' page within the 'Online Shopping System'. The left sidebar has a dark theme with various menu items like Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance, Brand List (which is selected and highlighted in blue), Category List, Sub Category List, and Settings. The main content area has a light background and displays a table titled 'List of Brands'. The table has columns: '#', 'Date Created', 'Brand Name', 'Description', 'Status', and 'Action'. There are 8 entries listed:

#	Date Created	Brand Name	Description	Status	Action
1	2024-03-17 13:37	Adidas		Active	Action ▾
2	2024-03-17 13:37	Allensolly		Active	Action ▾
3	2024-03-17 13:37	Calvin Klein		Active	Action ▾
4	2024-03-17 13:37	Nike		Active	Action ▾
5	2024-03-17 13:37	NULL		Active	Action ▾
6	2024-03-17 13:37	PUMA		Active	Action ▾
7	2024-03-17 13:37	VAN HEUSEN		Active	Action ▾
8	2024-03-17 13:37	ZARA		Active	Action ▾

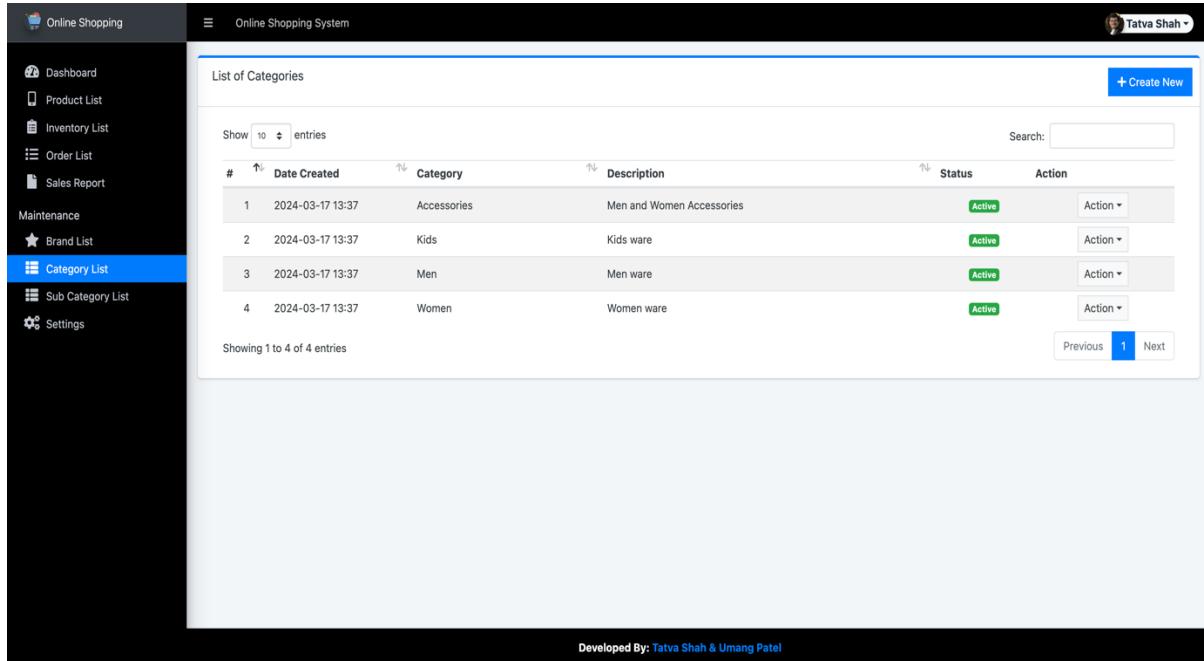
At the bottom, it says 'Showing 1 to 8 of 8 entries' and has navigation buttons for Previous, Next, and a page number '1'.

12. Admin Add Brand : The admin add brand feature allows administrators to create and manage new brands within the eCommerce platform, linking them to relevant products for better organization and marketing.

The screenshot shows the 'List of Brands' page with a modal dialog titled 'Update Brand Details' overlaid. The modal contains fields for 'Brand Name' (Adidas), 'Description' (empty), and 'Status' (Active). It has 'Save' and 'Cancel' buttons at the bottom. The background table is identical to the one in the previous screenshot.

TRENDS

13. Admin Category list : The admin category list provides a comprehensive overview of all product categories in the eCommerce store, allowing administrators to manage, add, or modify categories as needed.

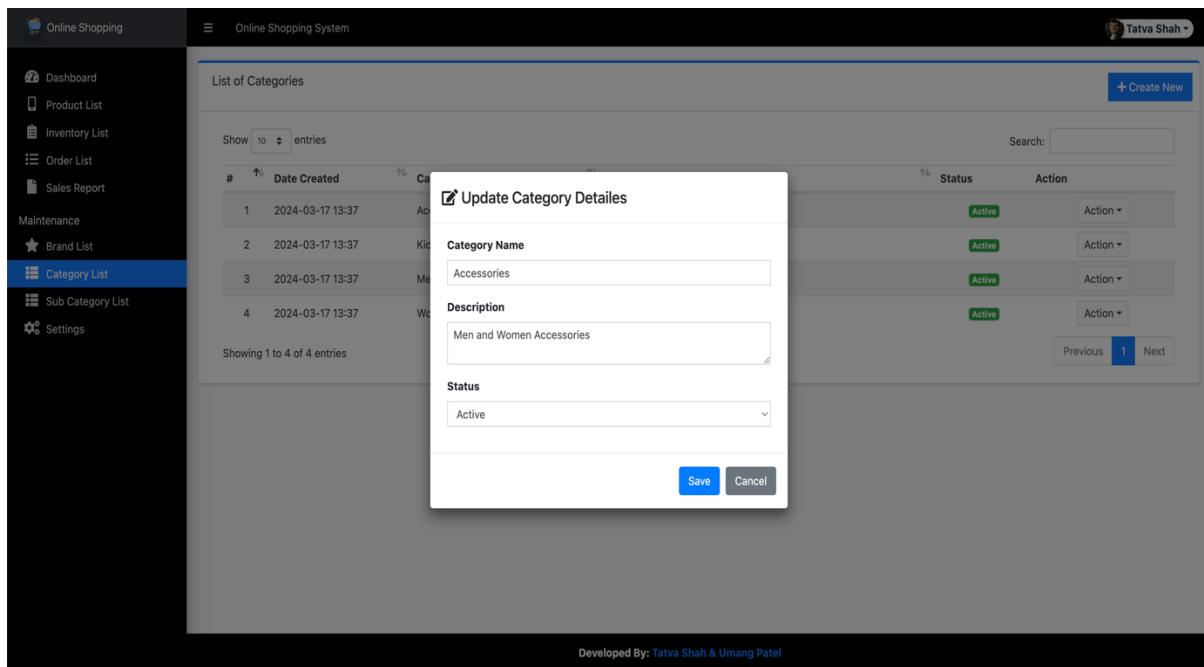


The screenshot shows the 'List of Categories' page in the Online Shopping System. The left sidebar has a dark theme with white icons and text, showing links like Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance, Brand List, Category List (which is selected and highlighted in blue), Sub Category List, and Settings. The main content area has a light background. At the top right is a user profile for 'Tatva Shah'. Below it is a table titled 'List of Categories' with the following data:

#	Date Created	Category	Description	Status	Action
1	2024-03-17 13:37	Accessories	Men and Women Accessories	Active	Action ▾
2	2024-03-17 13:37	Kids	Kids ware	Active	Action ▾
3	2024-03-17 13:37	Men	Men ware	Active	Action ▾
4	2024-03-17 13:37	Women	Women ware	Active	Action ▾

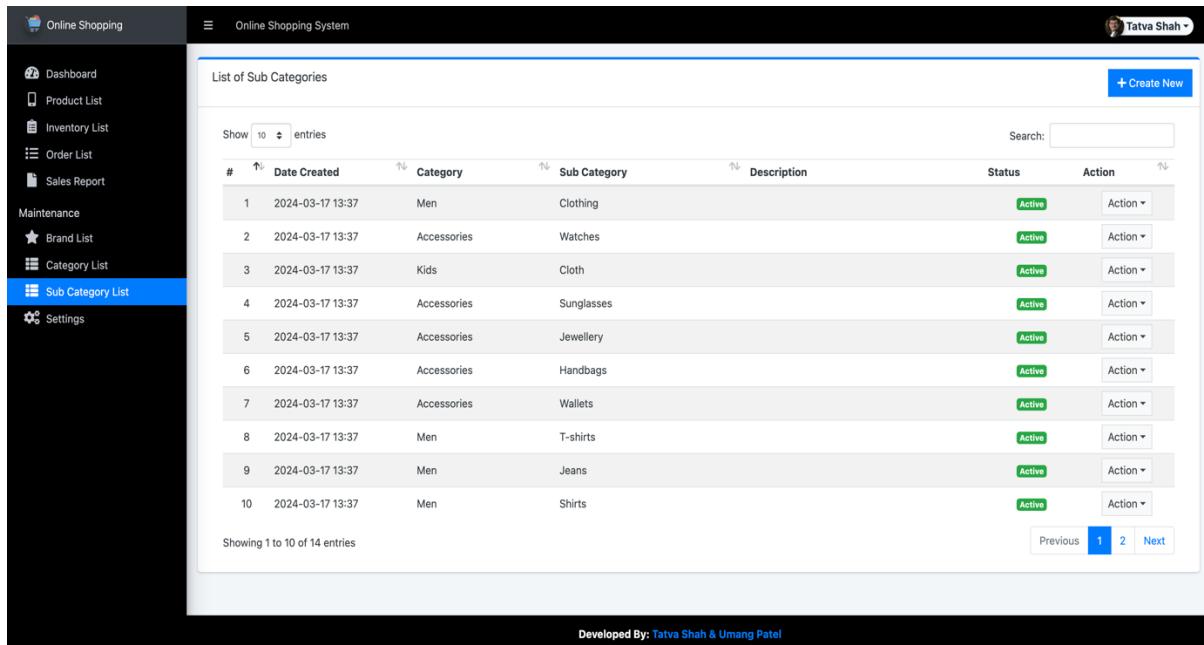
At the bottom of the table, it says 'Showing 1 to 4 of 4 entries'. On the far right, there are buttons for 'Previous', '1', and 'Next'. A small note at the bottom center says 'Developed By: Tatva Shah & Umang Patel'.

14. Admin Add Category : The admin add category feature enables administrators to create new product categories in the eCommerce platform, facilitating better organization and navigation for customers.



The screenshot shows the 'List of Categories' page with a modal dialog box overlaid. The modal is titled 'Update Category Details'. It contains three input fields: 'Category Name' with the value 'Accessories', 'Description' with the value 'Men and Women Accessories', and a dropdown 'Status' set to 'Active'. At the bottom of the modal are two buttons: 'Save' (in blue) and 'Cancel'. The background of the main page is dimmed. The left sidebar and top navigation bar are identical to the previous screenshot. A note at the bottom center of the main page says 'Developed By: Tatva Shah & Umang Patel'.

15. Admin Sub-Category list : The admin subcategory list displays all subcategories linked to parent categories in the eCommerce store, allowing administrators to manage and organize products effectively.



The screenshot shows the 'List of Sub Categories' page within the 'Online Shopping System'. The left sidebar contains navigation links for Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance, Brand List, Category List, Sub Category List (which is highlighted in blue), and Settings. The main content area has a header 'List of Sub Categories' with a 'Create New' button. It includes a search bar and a table with columns: #, Date Created, Category, Sub Category, Description, Status, and Action. The table lists 10 entries from March 17, 2024, showing categories like Men, Accessories, and Kids, with sub-categories such as Clothing, Watches, Cloth, Sunglasses, Jewellery, Handbags, Wallets, T-shirts, Jeans, and Shirts. All items are marked as 'Active'. At the bottom, it shows 'Showing 1 to 10 of 14 entries' and a navigation bar with 'Previous', page numbers '1' (highlighted in blue), '2', and 'Next'.

#	Date Created	Category	Sub Category	Description	Status	Action
1	2024-03-17 13:37	Men	Clothing		Active	Action ▾
2	2024-03-17 13:37	Accessories	Watches		Active	Action ▾
3	2024-03-17 13:37	Kids	Cloth		Active	Action ▾
4	2024-03-17 13:37	Accessories	Sunglasses		Active	Action ▾
5	2024-03-17 13:37	Accessories	Jewellery		Active	Action ▾
6	2024-03-17 13:37	Accessories	Handbags		Active	Action ▾
7	2024-03-17 13:37	Accessories	Wallets		Active	Action ▾
8	2024-03-17 13:37	Men	T-shirts		Active	Action ▾
9	2024-03-17 13:37	Men	Jeans		Active	Action ▾
10	2024-03-17 13:37	Men	Shirts		Active	Action ▾

Showing 1 to 10 of 14 entries

Developed By: Tatva Shah & Umang Patel

TRENDS

16. Admin Add Sub-Category : The admin subcategory list allows administrators to view and manage all subcategories associated with parent categories in the eCommerce platform.

The screenshot shows the 'Online Shopping System' interface. On the left, a dark sidebar menu includes 'Dashboard', 'Product List', 'Inventory List', 'Order List', 'Sales Report', 'Maintenance' (with 'Brand List' and 'Category List' under it), 'Sub Category List' (which is selected and highlighted in blue), and 'Settings'. The main content area is titled 'List of Sub Categories' and displays a table with 10 entries. A modal window titled 'Update Sub Category Details' is open over the table. The modal contains fields for 'Parent Category' (set to 'Accessories'), 'Sub Category Name' (set to 'Watches'), 'Description' (empty), and 'Status' (set to 'Active'). At the bottom of the modal are 'Save' and 'Cancel' buttons. The footer of the page says 'Showing 1 to 10 of 14 entries' and 'Developed By: Tatva Shah & Umang Patel'.

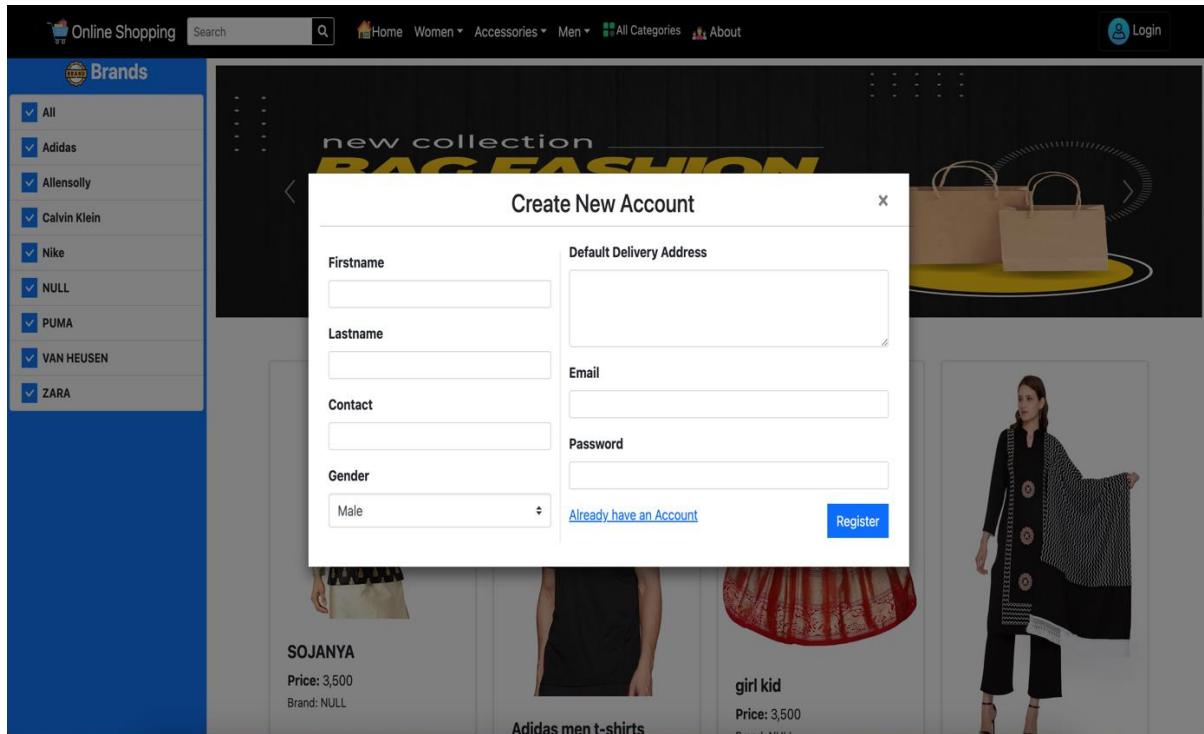
TRENDS

17. Admin Settings : The admin settings feature allows administrators to configure site preferences, manage user roles, and customize functionalities within the eCommerce platform.

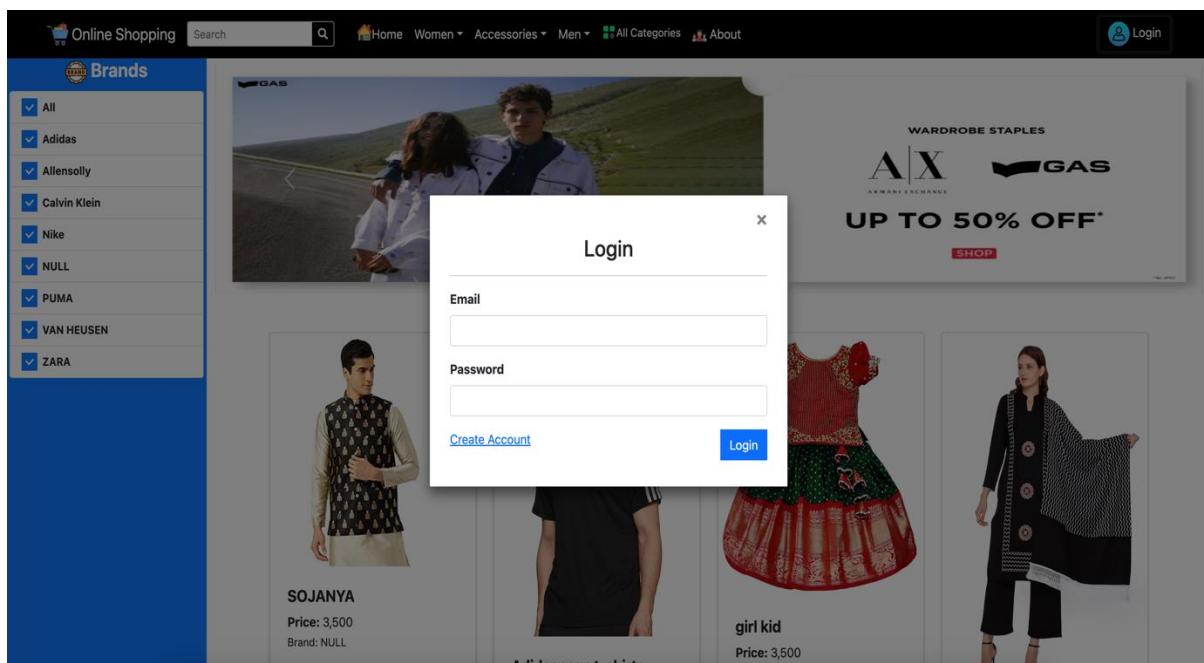
The screenshot shows the 'Online Shopping System' Admin Settings interface. The left sidebar has a dark theme with white icons and text, listing: Dashboard, Product List, Inventory List, Order List, Sales Report, Maintenance, Brand List, Category List, Sub Category List, and Settings (which is selected). The main content area has a light blue header bar with the title 'Online Shopping System' and a user profile 'Tatva Shah'. Below this is a 'System Information' section with fields for 'System Name' (set to 'Online Shopping System') and 'System Short Name' (set to 'Online Shopping'). Under 'About Us', there is a rich text editor toolbar and a placeholder text area containing 'About US'. Below it is a dark grey box labeled 'Our Team'. The next section is 'System Logo', showing a placeholder for a logo file. A preview image of a shopping cart icon is shown. The 'Website Cover' section shows a placeholder for a cover image, featuring a 3D rendering of a storefront with a red awning, a red location pin, and several gift boxes. The 'Banner Images' section shows a grid of four small images: a black one labeled 'BAG FASHION', a red one, a blue one, and another blue one. Below the grid is a 'Choose file' button and a note 'Choose to upload new banner images'. At the bottom of the page is a black footer bar with the text 'Developed By: Tatva Shah & Umang Patel'.

❖ Customer

18. Customer Registration page : The customer registration page is designed to collect essential information from new users, enabling them to create accounts for a personalized shopping experience on the eCommerce website.



19. Customer Login page : The customer login page allows users to securely access their accounts by entering their email and password on the eCommerce website.



TRENDS

20. Customer Home page : The customer home page serves as the main entry point for users, showcasing products, promotions, and essential navigation tools to enhance the shopping experience on the eCommerce website.

The screenshot displays a user interface for an eCommerce website. At the top, there's a navigation bar with links for Home, Women, Accessories, Men, All Categories, and About. A search bar is positioned above the navigation. On the right side of the header, there's a cart icon with '0' items and a greeting 'Hi, Tatva!'. Below the header, a promotional banner for a 'new collection BAG FASHION SALE' features two brown shopping bags on a yellow circular base. To the left, a sidebar titled 'Brands' lists various brands with checkboxes: All, Adidas, Allensolly, Calvin Klein, Nike, NULL, PUMA, VAN HEUSEN, and ZARA. The main content area shows a grid of eight products:

- girl kid**: A red and green traditional dress with a small fox illustration. Price: 3,500, Brand: NULL.
- Women waer**: An orange and white polka-dot outfit. Price: 3,500, Brand: NULL.
- Adidas men t-shirts**: A black Adidas t-shirt with three stripes. Price: 1,500, Brand: Adidas.
- Tital watch**: A blue and silver chronograph watch. Price: 5,000, Brand: NULL.
- Kutri**: A black and white traditional outfit with a patterned shawl. Price: 3,000, Brand: NULL.
- boy kid**: A brown and beige traditional outfit. Price: 1,500, Brand: NULL.
- adidas Mens Drogue M Running Shoe**: A black and white running shoe. Price: 4,500, Brand: Adidas.
- SOJANYA**: A gold and black traditional outfit. Price: 3,500, Brand: NULL.

At the bottom of the page, there's a footer with the text 'Online Shopping' and 'Developed By: Tatva Shah & Umang Patel'.

21. Customer View Product : The customer view product feature allows users to explore detailed product information, images, and specifications on the eCommerce platform, enhancing their shopping experience.

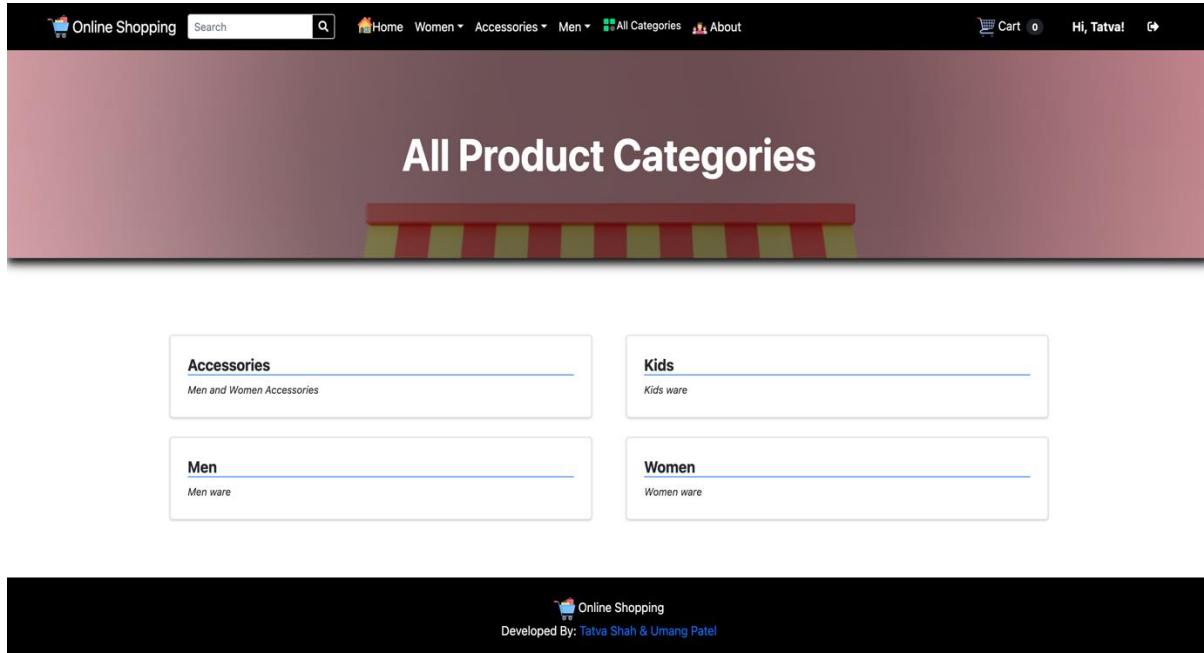


Related products

A thumbnail image of a black and white running shoe with three stripes on the side. Below the image, the product name 'adidas Mens Drogo M Running Shoe' is written in bold, followed by 'Price: 4,500' and 'Brand: Adidas'.

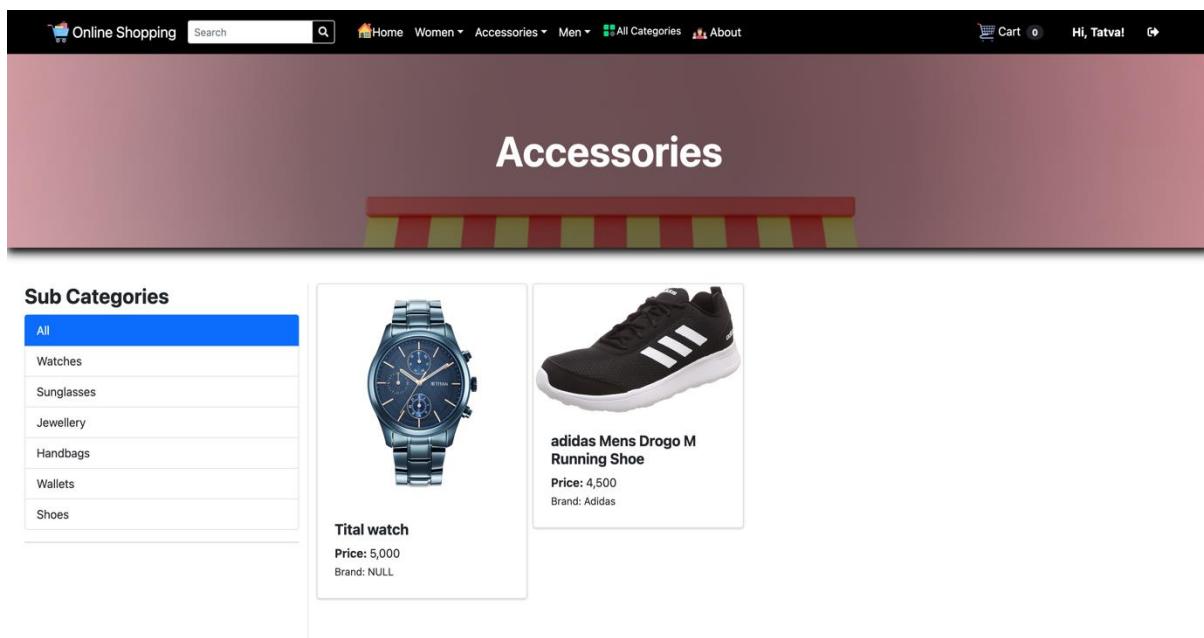
adidas Mens Drogo M
Running Shoe
Price: 4,500
Brand: Adidas

22. Customer All Categories : The customer all categories feature allows users to view and browse through all available product categories on the eCommerce platform, facilitating easier navigation and product discovery.



23. Customer Home page

- (Accessories)



TRENDS

- (Men ware)

The screenshot shows the 'Men' category page of the 'Online Shopping' website. At the top, there's a navigation bar with links for Home, Women, Accessories, Men, All Categories, and About. A search bar and a cart icon are also present. The main title 'Men' is centered above a grid of products. On the left, a sidebar lists 'Sub Categories' including All, Clothing, T-shirts, Jeans, and Shirts, with 'All' currently selected. Two products are displayed in boxes: 'SOJANYA' (Price: 3,500) and 'Adidas men t-shirts' (Price: 1,500). The footer contains the 'Online Shopping' logo and the text 'Developed By: Tatva Shah & Umang Patel'.

- (Women ware)

The screenshot shows the 'Women' category page of the 'Online Shopping' website. The layout is similar to the Men page, with a navigation bar at the top and a main title 'Women' centered above a grid of products. A sidebar on the left lists 'Sub Categories' including All, clothing, Western Wear, Ethnic Wear, and Night Wear, with 'All' selected. Two products are shown in boxes: 'Kutri' (Price: 3,000) and 'Women waer' (Price: 3,500). The footer includes the 'Online Shopping' logo and the text 'Developed By: Tatva Shah & Umang Patel'.

TRENDS

- (Kids ware)

Kids

Sub Categories

- All
- Cloth

girl kid
Price: 3,500
Brand: NULL

boy kid
Price: 1,500
Brand: NULL

24. Customer Cart List : The customer cart list displays all items added by the user for purchase, allowing customers to review, modify quantities, and proceed to checkout on the eCommerce platform.

Cart List

	Tital watch Price: 5,000 - 1 +	5,000
		Grand Total: 5,000

Empty Cart

Checkout

25. Customer Checkout : The customer checkout process is a critical stage in the online shopping experience, where customers finalize their purchases.

The screenshot shows a checkout interface for an e-commerce platform. At the top, there's a navigation bar with links for Home, Women, Accessories, Men, All Categories, and About. A search bar and a user profile 'Hi, Tatva!' are also present. The main section is titled 'Checkout' and contains fields for 'Order Type' (radio buttons for 'For Delivery' and 'For Pick up'), 'Delivery Address' (a text input field with placeholder 'Sample Address'), and a summary line 'Total: 5,000'. Below this, there are sections for 'Payment Method' with options 'Cash on Delivery' and 'PayPal Checkout' (with a sub-note 'Shop now. Pay over time.'), and a large 'Place Order' button at the bottom.

26. Customer Transaction ID : The customer transaction ID is a unique identifier assigned to each transaction completed on the eCommerce platform

The screenshot shows an 'Orders' page from an e-commerce platform. The top navigation bar includes links for Home, Women, Accessories, Men, All Categories, and About, along with a search bar and a user profile 'Hi, Tatva!'. The main content area is titled 'Orders' and displays a table of transaction history. The table has columns for '#', 'DateTime', 'Transaction ID', 'Amount', and 'Order Status'. The data shows three entries: one with a status of 'Packed' and two with a status of 'Pending'. At the bottom of the table, it says 'Showing 1 to 3 of 3 entries'. A 'Manage Account' button is located in the top right corner of the main content area.

27. Customer Can Edit Profile : The customer edit profile feature allows users to update their personal information and account settings on the eCommerce platform.



Update Account Details

[Back to Order List](#)

Firstname
Tatva

Lastname
Shah

Contact
6351508591

Gender
Male

Default Delivery Address
Sample Address

Email
shahtatva118@gmail.com

New Password
(Enter value to change password)

Current Password
(Enter value to change password)

Update

TRENDS

28. About Us : An About Us page is a vital component of a website, serving as a platform to communicate a company's story, mission, values, and the people behind the brand.

The screenshot shows an 'About US' page from a website. At the top, there is a navigation bar with links for Home, Women, Accessories, Men, All Categories, and About. A shopping cart icon with '2' items and a 'Hi, Tatva!' greeting are also present. The main content area has a dark header with the text 'About US' and 'Our Team'. Below this, three team members are listed in cards: Tatva Shah (with email shatativa118@gmail.com), Umang Patel (with email patelumangmca42@gmail.com), and Aryan Panchal (with email aryantech03@gmail.com). Each card contains a circular profile picture and the member's name and email. Below the team section is a satellite map of a residential area with various landmarks labeled, including 'Anand Park Society', 'Hasubha Pendavala', 'Government Industrial Training Institute Limdri', 'State B Sindhi School', 'SHREE UKRANA PRIMARY', 'Ambe Mata Mandir', 'Mumba Mahadev mandir limdri', 'Goodie', 'Shree Dattatreya', 'VINODBHAI K PANARA Shoe store', and 'Sri Sathya Sai Baba'. The map includes zoom controls (+/-) and a 'View larger map' link.



5. Agile Documentation

5.1 Agile Project Charter:

General Project Information	
Project Name	Online Shopping system
Project Champion	Tatva Shah, Umang Patel, Aryan panchal
Project Sponsor	LJ Institute of Computer Application
Project Manager	Prof. Pratvi Soni
Stakeholders	Admin , Customer
Expected Start Date	15/7/2024
Expected Completion Date	07/11/2024

Project Details	
Mission	We continuously innovate to be the best Shopping store for our customers.
Vision	E-commerce is when we use the internet to conduct business, think of it as an online market which organizes transactions between buyers and store owner. It eases access to many products and encourages international trade by making it more accessible than ever.
Scope	Admin can deal in a wide range of products. They can analyse customer buying different products offer, discounts, and services. Business can be easily scaled. By selling via online retail sites like Amazon, Flipkart, etc.,
Date	21/08/2024

5.2 Agile Roadmap / Schedule

Agile Project Roadmap

Sprint	Task Name	July15	July-31	Aug-1	sept-27	nov-11
1	Project Structure					
2	Registration					
3	Login and Logout					
4	Forget Password					
5	Manage Product (Admin)					
6	Product (User)					
7	Cart					
8	Contact Us					
9	Filters					
10	Order					
11	Payment					

5.3 Agile Project Plan

Task Name	Duration	Start	Finish	Status
Sprint#1: Project Structure	7d	15/07/2024	21/07/2024	Completed
UI Designing	8d	22/07/2024	30/07/2024	Completed
Database Management	5d	01/08/2024	05/08/2024	Completed
Sprint#2: Registration	5d	06/08/2024	11/08/2024	Completed
Customer Registration	5d	11/08/2024	16/08/2024	Completed
Sprint#3: Login and Logout	4d	17/08/2024	21/08/2024	Completed
Customer Login	2d	22/08/2024	25/08/2024	Completed
Admin Login	3d	26/08/2024	29/08/2024	Completed
Sprint#4: Forget Password	2d	30/08/2024	01/09/2024	Completed
Customer changes Password	2d	02/09/2024	05/09/2024	Completed
Sprint#5: Manage Product(Admin)	9d	06/09/2024	15/09/2024	Completed
Add, Update, View, Delete	9d	16/09/2024	24/09/2024	Completed
Sprint#6: Product (User)	9d	25/09/2024	03/10/2024	Completed
View Product store	2d	04/10/2024	06/10/2024	Completed
View Product Details	3d	07/10/2024	11/10/2024	Completed
Sprint#7: Cart	3d	12/10/2024	15/10/2024	Completed
View Cart	1d	16/10/2024	17/10/2024	Completed
Add and Delete from Cart	3d	17/10/2024	20/10/2024	Completed
Sprint#8: Contacts	3d	21/10/2024	23/10/2024	Completed
Contact to Admin	5d	24/10/2024	29/10/2024	Completed
Sprint#9: Order	1d	30/10/2024	31/10/2024	Completed
Customer Place Order	2d	01/11/2024	02/11/2024	Completed
Sprint#10: Payment	3d	03/11/2024	06/11/2024	Completed
Cart on Delivery	1d	07/11/2024	07/11/2024	Completed

5.4 Agile User Story

User Story ID	As a (type of user)	I want to (perform some task)	So that I can (achieve some goal)
1	Admin	Manage Login Module	Ensure that validate user can join
2	Admin	Manage Product	Insert, Update Delete and View the product
3	Admin	Manage order	Ensures the order information is valid
4	Visitor	View Product	View products according to categories
5	Customer	View Product	View products according to categories
6	Customer	Add to Cart	Products are added to cart to buy bunch of products in single order
7	Customer	Order product	To see what they had purchase in the past
8	Customer	Make Payment	Payment for the order
9	Customer	Search Product	Search products according to their requirement
10	Customer	Order	Order products

5.5 Agile Release Plan

Task Name	Duration	Start	Finish	Release Date
Sprint#1: Project Structure	7d	15/07/2024	21/07/2024	21/07/2024
UI Designing	4d	22/07/2024	25/07/2024	25/07/2024
Database Management	3d	26/07/2024	28/07/2024	28/07/2024
Sprint#2: Registration	5d	29/07/2024	02/08/2024	02/08/2024
Customer Registration	5d	03/08/2024	07/08/2024	07/08/2024
Sprint#3: Login and Logout	4d	24/08/2024	28/08/2024	28/08/2024
Customer Login	2d	29/08/2024	30/08/2024	30/08/2024
Admin Login	3d	31/08/2024	02/09/2024	02/09/2024
Sprint#4: Forget Password	2d	03/09/2024	04/09/2024	04/09/2024
Change Customer Password	2d	05/09/2024	06/09/2024	06/09/2024
Sprint#5: Manage Product (Admin)	9d	07/09/2024	13/09/2024	13/09/2024
Add, Update, View, and Delete	9d	14/09/2024	22/09/2024	22/09/2024
Sprint#6: Product (User)	5d	23/09/2024	27/09/2024	27/09/2024
View Products	2d	28/09/2024	30/09/2024	30/09/2024
View Product Details	3d	01/10/2024	03/10/2024	03/10/2024
Sprint#7: Cart	6d	04/10/2024	10/10/2024	10/10/2024
View Cart	2d	11/10/2024	12/10/2024	12/10/2024
Add & Delete from Cart	4d	13/10/2024	17/10/2024	17/10/2024
Sprint#8: Contacts	1d	18/10/2024	18/10/2024	18/10/2024
Contact Admin	1d	19/10/2024	19/10/2024	19/10/2024
Sprint#9: Order	14d	20/10/2024	02/11/2024	02/11/2024
Customer Place Order	4d	03/11/2024	06/11/2024	07/11/2024
Sprint#10: Payment	1d	07/11/2024	07/11/2024	07/11/2024
Cash on Delivery	1d	07/11/2024	07/11/2024	07/11/2024
Online Payment	1d	07/11/2024	07/11/2024	07/11/2024

5.6 Agile Sprint Backlog

Task Name	Story	Sprint Ready	Priority	Status	Story Point
Sprint#1: Project Structure	Yes	Yes	High	Completed	3
UL Designing	Yes	Yes	High	Completed	2
Database Management	Yes	Yes	High	Completed	2
Sprint#2: Registration	Yes	Yes	High	Completed	2
Customer Registration	Yes	Yes	High	Completed	1
Sprint#3: Login & Logout	Yes	Yes	High	Completed	4
Customer Login	Yes	Yes	High	Completed	4
Admin Login	Yes	Yes	High	Completed	4
Sprint#4: Forget Password	Yes	Yes	High	Completed	3
Customer changes Password	Yes	Yes	High	Completed	3
Sprint#5: Manage Product (Admin)	Yes	Yes	High	Completed	4
Add, Update, View and Delete	Yes	Yes	High	Completed	4
Sprint#6: Product (customer)	Yes	Yes	High	Completed	4
View products	Yes	Yes	High	Completed	4
View product details	Yes	Yes	High	Completed	4
Sprint#7: Cart	Yes	Yes	Medium	Completed	4
View cart	Yes	Yes	High	Completed	4
Add and delete from cart	Yes	Yes	Medium	Completed	2
Sprint#8: Contacts	Yes	Yes	Low	Completed	1
Contact to admin	Yes	Yes	Low	Completed	1
Sprint#9: Order	Yes	Yes	High	Completed	4
Customer Order	Yes	Yes	High	Completed	4
Sprint#10: Filters	Yes	Yes	Medium	Completed	2
By Product Category	Yes	Yes	Medium	Completed	2
By Product Size	Yes	Yes	Medium	Completed	2
By Brand	Yes	Yes	Medium	Completed	2
Sprint#11: Payment	Yes	Yes	High	Completed	5
Cash on Delivery	Yes	Yes	High	Completed	3
Online Payment	Yes	Yes	High	Completed	5

5.7 Agile Test Plan

Test Case ID: 101	Test Case Name: Customer Login
Designed by: Tatva shah	Design Date: 10/08/2024
Module Name: User Login	Sub Module Name: Login
Executed by: Tatva shah	Execution Date: 10/03/2024
Brief Description: User Login With Data: "email: shahtatva118@gmail.com& password:tatva123"	Test Priority (Low/Medium/High): High
Pre-Conditions: User Must Registered & have Dependencies: None	Correct Username & Password.

Test Step	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Remarks
1	Email: t@g.com Password: 1234	Successfully login & redirect to Home Page.	Login Successful.	Pass	None
2	Email: t1@g.com Password: 1234	Show "Invalid Credentials."	Login Not Successful	Fail	Need to Show Error Message.
3	Email: t2@g.com Password: 1234Mah	Show "Invalid Credentials."	Login Not Successful	Fail	Need to Show Error Message.
4	Email: t2@g.com Password: 1234	Successfully login in to system & redirect to home Page.	Login Successful & Redirect to home Page.	Pass	None

TRENDS

Test Case ID: 102	Test Case Name: User Registration
Designed by: Umang patel	Design Date: 10/08/2024
Module Name: User Registration	Sub Module Name: Register
Executed by: Umang patel	Execution Date: 10/03/2024
Brief Description: User Registration page for the new user. User needs to provide the correct details for Registration.	Test Priority (Low/Medium/High): High
Pre-conditions: None	
Dependencies: Username & Password are store.	

Test Step	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Remarks
1	First Name: umang Last Name: patel Email: u@gmail.com Password: 1234 Confirm Password: 1234	Successfully Registered & Redirect to Login Page.	Registered Successfully.	Pass	redirect to login Page.
2	First Name: umang Last Name: patel Email: u1@gmail.com Password: 1234 Confirm Password: 12345	Show Error Message as “Password & Confirm Password must be Equal”	Not Registered & remain in Registration page.	Fail	None
3	First Name: Piyush Last Name: Jain Email: u2@gmail.com Password: 1234 Confirm Password: 1234	Show Error Message as “Email I'd Already Exist”	Not Registered & remain in Registration page.	Fail	None
4	First Name: Tushar Last Name: Sid Email: u3@gmail.com Password: 4321 Confirm Password: 4321	Successfully Registered &	Successfully Registered &	Pass	None

TRENDS

Test Case ID: 103	Test Case Name: Add Product (Admin)
Designed by: Tatva Shah	Design Date: 10/08/2024
Module Name: Add Product Module	Sub Module Name: Add Product
Executed by: Tatva Shah	Execution Date: 10/03/2024
Brief Description: Admin can Add the Products.	Test Priority (Low/Medium/High): High
Pre-conditions: Admin must be Logged in.	
Dependencies: None	

Test	Test Step	Action	Expected Result	Actual Result	Status (Pass/Fail)
1	Click on Add Product	Open product details page	Show form for Entering details	Show form for Entering details	Pass
2	Fill Product Details.	Taking Valid product details	Validation of input data	Validation of input data	Pass
3	Submit data	Click on save button	Add product and show it to admin	Add product and show it to admin	Pass

TRENDS

Test Case ID: 104	Test Case Name: Cart
Designed by: Umang Patel	Design Date: 10/08/2024
Module Name: Cart Module	Sub Module Name: Add to Cart Product
Executed by: Umang Patel	Execution Date: 10/03/2024
Brief Description: User can Add the Products in Cart.	Test Priority (Low/Medium/High): High
Pre-conditions: User must be Logged in.	
Dependencies: None	

Test	Test Step	Action	Expected Result	Actual Result	Status (Pass/Fail)
1	Click on add to cart Button	Product should be added to cart	Product should be added to cart and display the cart page.	Product should not be added to cart.	Fail
2	Click on add to cart Button	Product should be added to cart	Product should be added to cart and display the cart page.	Product should be added to cart and display the cart page.	Pass
3	Click on (+) Increase Button	Added Product count Increase	In a cart Product count Increase add same item multiple time	In a cart Product count Increase add same Product multiple time	Pass
4	Click on (-) Increase Button	Added Product count Decrease & Delete	In a cart Product count Decrease & Delete/remove	In a cart Product count Decrease & Delete/remove	Pass
5	Click on Cart Button	Add the Product in Cart	able to add multiple Product in to cart	able to add multiple Product in to cart	Pass

Test Case ID: 105	Test Case Name: Payment
Designed by: Tatva Shah	Design Date: 10/08/2024
Module Name: Payment	Sub Module Name: Payment
Executed by: Tatva Shah	Execution Date: 10/03/2024
Brief Description: payment for products	Test Priority (Low/Medium/High): High

TRENDS

Pre-conditions: User must be Logged in.

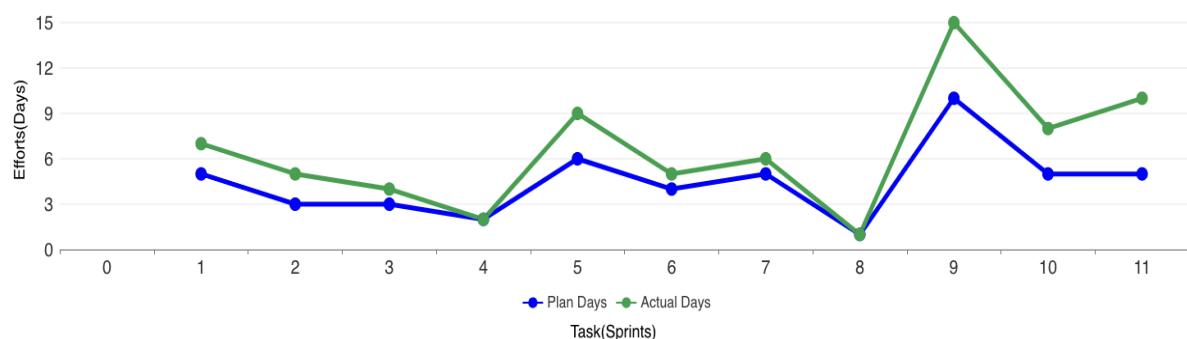
Dependencies: None

Test	Test Step	Action	Expected Result	Actual Result	Status (Pass/Fail)
1	Click on Checkout Button	Show the All-Payment options	All the Payment options are visible	All the Payment options are visible	Pass
2	Click on Cash on Delivery Option	Selected option Process is Start	Start the process and Product Order is Done Successfully	Start the process and Product Order is Done Successful	Pass
3	Click On Cart Online Payment	Need To Filled up All mandatory information	Start online Payment Process	Start online Payment Process	Pass
4	Successful for add the mandatory information	Ask for right strip number, cvv, date	Online payment Process is Done Successfully	Online payment Process is Done Successfully	Pass
5	Successful for add the mandatory information	Ask strip number, cvv, date	If Add Credit card or Dedit card Number	Online payment Process is Not start	Fail
6	Successful for add the mandatory information	Ask for wrong strip number, cvv, date	Online payment Process is Not start	Online payment Process is Not start	Fail

5.8 Earned-value and burn charts

Task	Plan Days	Actual Days
0		
1	5	7
2	3	5
3	3	4
4	2	2
5	6	9
6	4	5
7	5	6
8	1	1
9	10	15
10	5	8
11	5	10

Burn Chart



6. Proposed Enhancements

6.1 Proposed Enhancements

Here are some proposed enhancements for our ecommerce website:

1. Improved User Experience (UX):

- Streamline the website navigation to make it more intuitive and user-friendly.
- Implement a responsive design to ensure a seamless experience across all devices.

2. Enhanced Product Presentation:

- Include high-quality product images from multiple angles and zoom-in functionality.
- Implement product videos or 360-degree views to provide a more immersive shopping experience.

3. Advanced Search and Filtering Options:

- Enhance the search functionality with auto-suggestions, predictive search, and natural language processing.
- Implement advanced filtering options such as size, color, price range, brand, and customer ratings.
- Allow users to save their search preferences for future visits.

4. Integration of Social Commerce Features:

- Allow users to share their favorite products on social media platforms directly from the website.
- Implement social login options to streamline the registration and checkout process.
- Enable user-generated content such as product reviews, ratings, and user photos to build trust and credibility.

5. Enhanced Customer Support and Communication:

- Implement live chat support for real-time assistance and resolving customer queries.
- Offer proactive order status updates and notifications via email or SMS.
- Provide comprehensive FAQ sections and self-service resources to empower customers to find answers to common questions.

7. Conclusion

7.1 Conclusion

“Managing Online Shopping System as per the customer needs” is the goal of this project. Completing this project will take us long way meeting this goal. However our goal may not be easy one to achieve, but things are worth doing are often not easy. By completing this project the customer can see and buy products as they want. It has given us a good experience in learning new technologies which we have used in this project.

8. Bibliography

8.1 Site References :

- ❖ Amazon : <https://www.amazon.in/>
- ❖ Flipkart : <https://www.flipkart.com/>
- ❖ Meesho : <https://www.meesho.com/>
- ❖ Myntra : <https://www.myntra.com/>