

# Manual for E-commerce Project

Group 21

# OVERVIEW

This document outlines the structure and functionality of our E-Commerce project, detailing the project's wireframing, functionality guide, database description, and task delegations. This project aims to create a responsive, user-friendly e-commerce platform with distinct features for admins and customers, leveraging modern web technologies for efficient performance and engaging user experience.

# WIREFRAMING

## Home Page and Cart Page

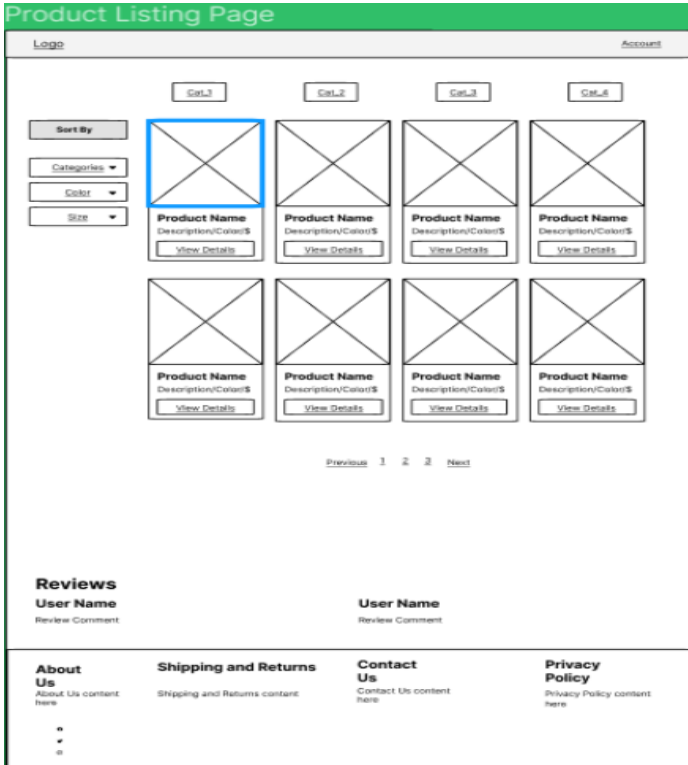
**Home Page:** The home page serves as the landing page of our e-commerce platform, designed to provide users with an overview of what the website offers. It features a navigation bar, a product showcase section, and links to other parts of the website. The wireframe for the home page was meticulously crafted to ensure easy navigation and appealing aesthetics.

**Cart Page:** The cart page displays the products added by the user to their cart. It includes product details, quantities, prices, and the total cost. The design aims for clarity and ease of use, allowing users to update quantities or remove items as needed.

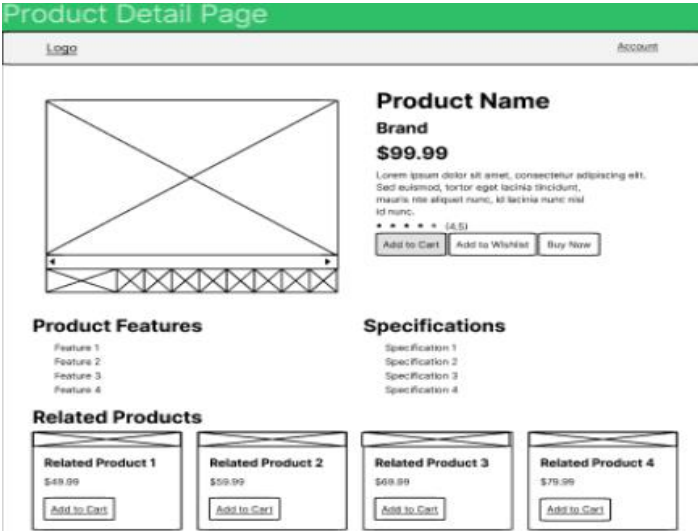
## Login and Register Page

**Login Page:** This page is designed for returning users to log into their accounts. It includes fields for email and password, along with a login button and links to the registration page for new users.

**Register Page:** New users can create an account on this page. It collects essential information like name, email, password, and confirmation of the password. The design emphasizes simplicity and user-friendliness to encourage new user registrations.

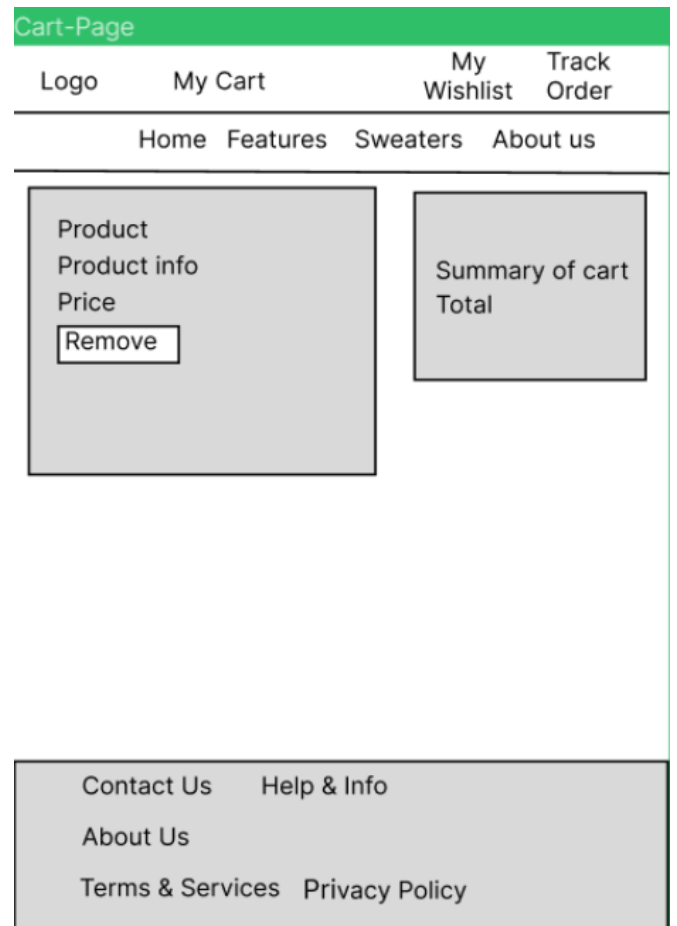
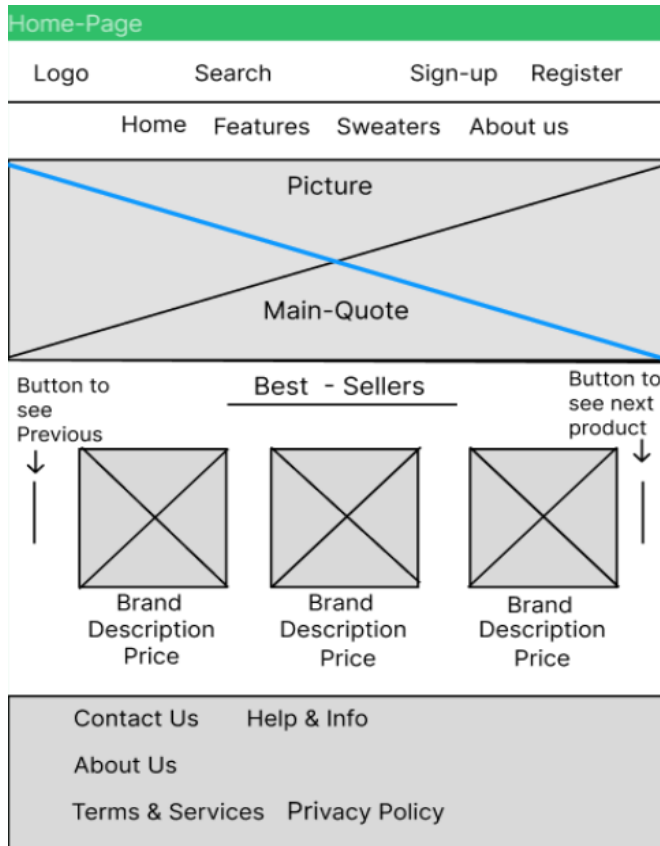


Product Listing page and Product Detail page





# Home page and Cart page



# Login and Register Page

Logo

Search

Sign-up

Home

Features

Sweaters

About us

User Registration

Name:

Email:

Password:

Confirm Password:

Register button

Contact Us

Help & Info

About Us

Terms & Services

Privacy Policy

Logo

Search

Register

Home

Features

Sweaters

About us

Sign In

User Name:

Password:

Sign In button

Dont hav an account? Register Here

Contact Us

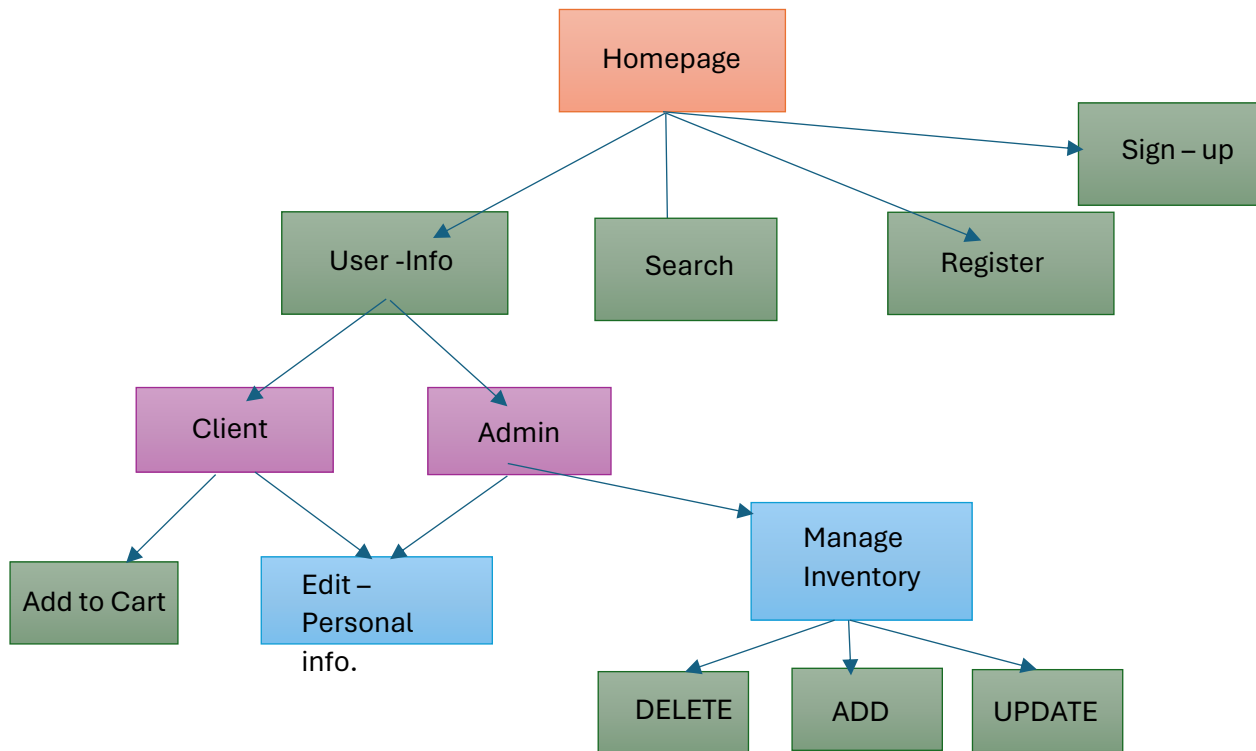
Help & Info

About Us

Terms & Services

Privacy Policy

# SITEMAP OF THE WEBSITE



# FUNCTIONALITY GUIDE

1. **Project Structure:** The project is organized into distinct directories for efficient management and scalability:
  - a. **backend/js:** Contains JavaScript files for backend logic and API interactions.
  - b. **frontend/pages:** Houses HTML and CSS files for the website's pages.
  - c. **database/queries:** Includes SQL scripts for database interactions and queries.
2. **User Roles:** Two main user roles are defined:
  - a. **Admin:** Admins have access to the inventory system for adding, updating, or removing products and can manage personal information.
  - b. **Customer:** Customers can edit their personal information, search for products, and filter them by categories, price, and colors.
3. **Access Control:** Users not logged in are redirected to the sign-in page when attempting to access profile-related pages, ensuring privacy and security.
4. **Form Validation:** Forms across the platform use JavaScript and DOM manipulation for client-side validation, foregoing standard HTML validation to provide more tailored and user-friendly feedback.
5. **Responsive Design:** CSS media queries ensure the website is responsive and provides a consistent user experience across various screen sizes and devices.

# DATABASE DESCRIPTION

The database is designed to support the e-commerce platform's functionality, containing tables for users, products, categories, orders, and more. It supports complex queries for searching, filtering, and managing inventory. All the related files are under /database including queries, connections, and sql database (e-commerce.sql).



# TASK DELEGATIONS

To streamline development, tasks were delegated among team members using GitHub for version control and Figma for wireframing:

1. Harpinder Kaur Brar
  - a. Led the development of frontend responsiveness to ensure a seamless user experience across devices.
  - b. Created wireframes for the home and cart pages, focusing on user flow and interface design.
  - c. Ensured the consistency of UX/UI designs across the platform.
  - d. Compiled and designed presentation slides for project showcase.
2. Judit Johnson Thomas
  - a. Implemented JavaScript and DOM manipulation for form validations, enhancing user feedback and interaction.
  - b. Developed wireframes for the login and register pages, prioritizing ease of use and accessibility.
3. Baasanlkham Gurvantamir
  - a. Managed database queries and population, ensuring efficient data retrieval and storage.
  - b. Oversaw the project structure and management, maintaining a coherent and scalable codebase.
  - c. Facilitated data retrieval for search functionalities, filter options, inventory management, and user profile settings.
  - d. Documentation for the project manual