Electronic E-Commerce Clothing Website

Submitted by

Group/Team No: G5/T-1

Dilshan Batara, 2310990411

Aaryan, 2310990343

Abhay Dhiman , 2310990345

in partial fulfillment for the award

of the degree of

BACHELEOR OF ENGINEERING

in

COMPUTER SCIENCE & ENGINEERING

CHITKARA UNIVERSITY

CHANDIGARH-PATIALA NATIONAL HIGHWAY

RAJPURA (PATIALA) PUNJAB-140401 (INDIA)

2023-2027

Table of Content

Sr. No.	Name
1.	Introduction
2.	Objectives
3.	Significance
4.	Problem Definition and Requirements
5.	Methodology
6.	Conclusion

<div align="center">

Project Report Group 1

Title: Electronic E-Commerce Clothing Website

</div>

Abstract

The E-commerce Clothing Website project offers a streamlined and user-centric online shopping platform, designed for convenience and efficiency. Built using HTML, CSS, and JavaScript, the website features an extensive product catalog, advanced search functionality, and real-time inventory management, ensuring a smooth and engaging shopping experience. Customers can easily browse products, read detailed descriptions, and view customer reviews to make informed purchases. With a responsive design and multiple payment gateway integrations, the platform ensures secure transactions across devices. Future enhancements include database integration, personalized user profiles, AI-powered chat support, and advanced product comparison tools to further elevate the shopping experience and customer satisfaction. The initial release provides a strong foundation for continued development and scalability.

1. Introduction:

The E-commerce Clothing Website is designed to offer users a seamless and engaging online shopping experience, focusing on ease of use, accessibility, and customer satisfaction. This platform enables shoppers to browse through a diverse catalog of clothing items, utilizing advanced search functionality and real-time inventory updates for a smooth and efficient shopping journey. Built using HTML, CSS, and JavaScript, the website ensures a responsive design, allowing for a consistent user experience across devices. Emphasizing secure transactions and personalized features such as product recommendations, the platform is crafted to meet the needs of modern consumers. Future updates will integrate additional functionalities, including database support, user profiles, and AI-driven chatbots, aiming to enhance the overall shopping experience.

1.1 Background:

In today's fast-paced digital world, the demand for online shopping has surged, making E-commerce platforms an essential part of everyday life. Despite this growth, many E-commerce websites face challenges such as cluttered designs, poor search capabilities, and a lack of mobile responsiveness, all of which disrupt the user experience. The E-commerce Clothing Website was developed to overcome these limitations by offering a streamlined, user-friendly platform that caters to both customers and businesses. Utilizing web technologies like HTML, CSS, and JavaScript, the project aims to create a smooth, intuitive shopping experience that allows users to easily browse and purchase products across any device. To remain competitive and adapt to industry trends, future iterations of the platform will introduce advanced features like database integration, personalized user profiles, and AI-powered chatbots, ensuring a modern and efficient shopping journey for all users.

2. Objectives:

Comprehensive product catalog with detailed descriptions, prices, images, and customer reviews.

Advanced search functionality with filters for categories, price, brand, and ratings.

User-friendly navigation for easy and efficient product discovery.

Mobile-responsive design optimized for smartphones and tablets.

Secure and streamlined checkout process with multiple payment options.

Multi-channel customer support via live chat, phone, email, and social media.

Customer reviews and ratings to foster trust and boost conversions.

Wishlist feature for saving favorite products for future reference. Personalized promotions and discounts based on user preferences and purchase history.

Significance:

The E-commerce Clothing Website's features play a crucial role in enhancing the overall shopping experience. A comprehensive product catalog, complete with detailed descriptions, prices, images, and customer reviews, ensures customers can make informed purchasing decisions with ease. The advanced search functionality simplifies product discovery by allowing users to filter products based on categories, price, brand, and ratings. This is complemented by user-friendly navigation that ensures efficient access to all products, leading to higher engagement. A mobile-responsive design further enhances accessibility, providing a seamless experience across all devices, particularly smartphones and tablets. The secure and streamlined checkout process with multiple payment options boosts customer confidence, making transactions smooth and trustworthy. Multi-channel customer support, available through live chat, phone, email, and social media, ensures that customer queries are promptly addressed, fostering loyalty and satisfaction. Customer reviews and ratings contribute to trust and credibility, influencing purchasing decisions, while the wishlist feature encourages repeat visits by allowing customers to save and manage items for future reference. Finally,

personalized promotions and discounts based on user preferences and purchase history help drive customer engagement, retention, and overall satisfaction, creating a more tailored shopping experience.

3.1   Tech Stack:

The tech stack is the most important aspect of production of a webpage. It is the list of technologies and programing languages which serves as framework for building and running of the website. The tech stack used in this project is:

HTML: Hyper Text Markup Language- Providing basic structure of the website.
CSS: Cascading Style Sheet- Making the website appealing and attractive.
JavaScript: Scripting language- Providing the functionality to the website.

3. Problem Definition and Requirements:

a. Problem statement:

In the rapidly evolving E-commerce landscape, many platforms face significant challenges, such as poor navigation, lack of mobile responsiveness, and limited advanced features like personalized recommendations, AI-powered chatbots, and social media integrations. These shortcomings make it difficult for customers to easily find and purchase products. Additionally, online retailers struggle with insufficient tools to manage inventory, engage with customers, and provide timely support. The need for a user-friendly platform that delivers a seamless shopping experience, real-time order tracking, advanced search functionality, and personalized offers is becoming increasingly critical to improve customer satisfaction and foster loyalty.

Our project addresses these challenges by creating a modern, responsive E-commerce platform that enhances product search and purchase experiences, integrates advanced features such as AI-powered product recommendations and social media integrations, and ensures accessibility across all devices. By resolving the limitations of existing platforms, this project aims to improve both customer engagement and retailer interactions, offering a more streamlined, efficient, and personalized E-commerce experience.

b. Software Requirements:

A modern web browser is required to access and utilize the E-commerce Clothing Website, supporting technologies such as HTML, CSS, JavaScript, and responsive design. These browsers will ensure the optimal functionality and display of essential features like product listings, filters, mobile responsiveness, and interactive elements on the site.

4. Proposed Design / Methodology:

5.1 Schematic Diagram:

Homepage: Features a navigation bar with links to Home, Categories, Places, and Login. Includes sections for featured properties, search bar, and latest updates.

Category Page: Displays property listings with filters and sorting options for a tailored search experience.

Product Description Page: Provides detailed information, images, and features of individual properties.

Sign-up/Login Page: Simple form for new users to create an account.

Profile Page: Secure login interface for existing users.

About Us Page: Contact form and various communication methods.

5.2 File Structure with Code Snippets:

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Hannes & Co.</title>
        <link rel="stylesheet" href="./src/css/main.css">
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/
        4.7.0/css/font-awesome.min.css">
        <link rel="icon" type="image/svg+xml" href="./images/header/favicon.svg">
    </head>
    <body>
        <img src="./images/header/headerprod.jpg" style="display: none;">
        <div class="header">
            <div class="container">
                <div class="navbar">
                    <div class="logo">
                        <a href="./index.html">
                            <img src="\images\header\rizzy_shog_logo-removebg-preview.
                            png" alt="comp" width="200px" >
                        </a>
                    </div>

                    <nav>
```

HTML Code of Home Page

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    list-style-type: none;
    color: antiquewhite;
}

body {
    font-family:'Lucida Sans', 'Lucida Sans Regular', sans-serif;
    background: rgb(245, 53, 53) url("/ecommerce-store/images/header/headerprod.jpg")
}

a {
    text-decoration: none;
    color: inherit;
}

a:hover {
    text-decoration: underline;
}

h1 {
    font-size: 35px;
```

CSS Code of Home Page

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Product-109B | Hannes & Co.</title>
        <link rel="stylesheet" href="./src/css/main.css">
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.
        <link rel="icon" type="image/svg+xml" href="./images/header/favicon.svg">
    </head>
    <body class="ohhh">
        <div class="header">
            <div class="container">
                <div class="navbar">
                    <div class="logo">
                        <a href="./index.html"><img src=".\images\header\rizzy_shog_log
                    </div>
                    <nav>
                        <ul class="nav-menu">
                            <li class="nav-item"><a href="index.html">Home</a></li>
                            <li class="nav-item"><a href="products.html">Products</a></
                            <li class="nav-item"><a href="#footer">Contact Us</a></li>
                            <li class="nav-item"><a href="account.html">Account</a></li
                        </ul>
```

HTML Code of Product Description Page

```css
main.css 1  Rizzy_Shop\src\css\main.css\

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    list-style-type: none;
    color: antiquewhite;
}

body {
    font-family:'Lucida Sans', 'Lucida Sans Regular', sans-serif;
    background: rgb(245, 53, 53) url("/ecommerce-store/images/header/headerprod.jpg")
}

a {
    text-decoration: none;
    color: inherit;
}

a:hover {
    text-decoration: underline;
}

h1 {
    font-size: 35px;
```

CSS Code of Product Description Page

```html
HTML > <> about.html > ⊘ html > ⊘ body > ⊘ header#header.header > ⊘ div.navigation > ⊘ div.container > ⊘ nav.nav > ⊘ div.nav__sidebar
  1   <!DOCTYPE html>
  2   <html lang="en">
  3   <head>
  4       <title>ELECTROMART</title>
  5       <link rel="shortcut icon" href="/Pictures/logo3.png" type="image/x-icon" />
  6       <link rel="preconnect" href="https://fonts.googleapis.com">
  7       <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  8       <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
  9       <link href="https://fonts.googleapis.com/css2?family=Raleway:ital,wght@0,100..900;1,100..900&display=swap" rel="stylesheet">
 10       <link rel="stylesheet" href="\CSS\about[2].css">
 11
 12   </header>
 13   </head>
 14   <body>
 15       <header id="header" class="header">
 16           <div class="navigation">
 17             <div class="container">
 18               <nav class="nav">
 19                 <div class="nav__sidebar">
 20                 | <i class="fa fa-bars"></i>
 21                 </div>
 22
 23                 <img class="logo" src="/Images/logo.jpg" alt="logo" style="height:70px; margin-right:0%;" />
 24
 25               <div class="nav__menu">
 26                 <div class="menu__top">
 27                   <span class="nav__category">ELECTROMART</span>
 28                   <a href="#" class="close__toggle">
 29
 30                 <i class="fa fa-bars" style="color: black;"></i>
 31                 | </a>
 32               </div>
 33                 <ul class="nav__list">
 34                   <li class="nav__item">
 35                     <b><a href="/HTML/INDEX.HTML" style="color: black;">HOME</a></b>
 36                   </li>
 37                   <li class="nav__item">
```

HTML Code of About Us Page

```css
CSS > # about[2].css > ⁙ :root
  1   :root {
  2     --primaryColor: #e9e9e8;
  3     --black: #222222;
  4     --black2: #555;
  5     --black3: #252525;
  6     --black4: #000;
  7     --black5: #212529;
  8     --orange: #eb0028;
  9     --white: white;
 10     --grey: #959595;
 11     --grey2: #666;
 12     --grey3: #ccc;
 13     --secondaryColor: #2b1f4d;
 14     --yellow: #ffcc00;
 15     --green: #59b210;
 16     --blue: rgb(56, 10, 223);
 17   }
 18
 19   * {
 20     margin: 0;
 21     padding: 0;
 22     box-sizing: inherit;
 23   }
 24
 25   html {
 26     font-size: 62.5%;
 27     box-sizing: border-box;
 28     scroll-behavior: smooth;
 29   }
 30
 31   body{
 32     overflow-x: hidden;
 33   }
 34
 35   body,
 36   input {
```

CSS Code of About Us Page

This design and methodology aim to provide a robust and user-friendly experience, ensuring efficient navigation, dynamic content updates, and seamless interaction across the platform.

6. Conclusion:

Our project has successfully developed a comprehensive and user-friendly real estate website using HTML, CSS, and JavaScript. By leveraging the structural capabilities of HTML, the design and layout flexibility of CSS, and the functionality of JavaScript, we have created an interactive website that enhances the purchasing of electronics goods experience. This robust website provides users with a seamless and engaging interface, making it easier to find, explore, and choose the right product to meet their needs.

Here are some screenshots of our website.:

Figure 1. Home Page
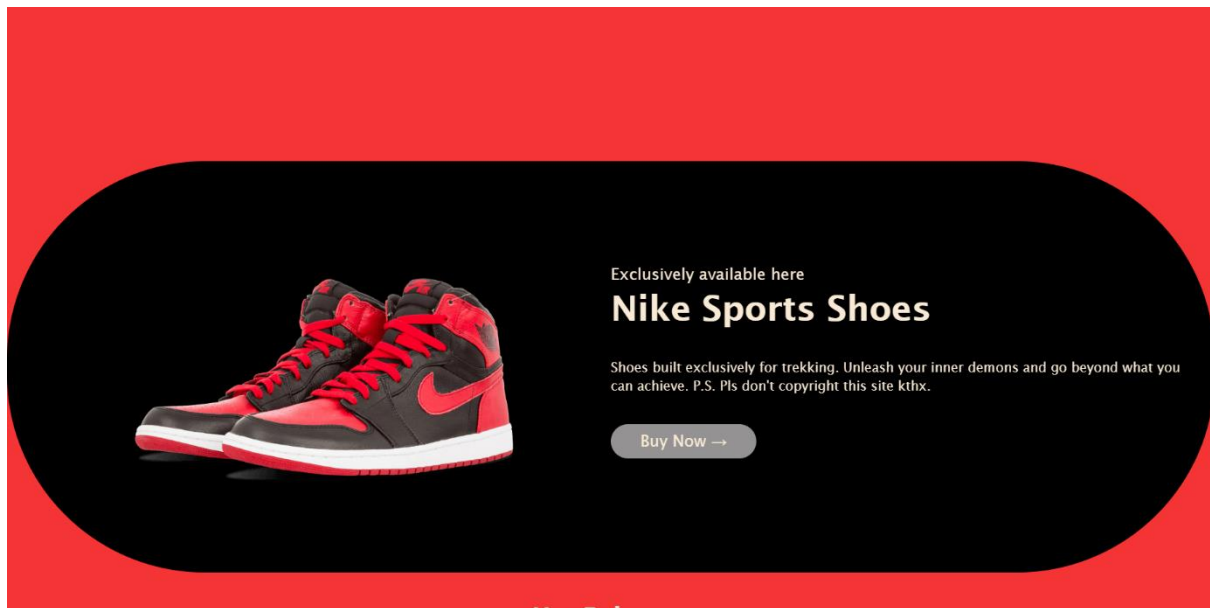
The homepage features a clean and intuitive design, offering users easy access to product listings and essential information. A navigation bar at the top includes links to Home, Categories, Profile, Cart and About Us, ensuring seamless browsing and quick access to different sections of the site.
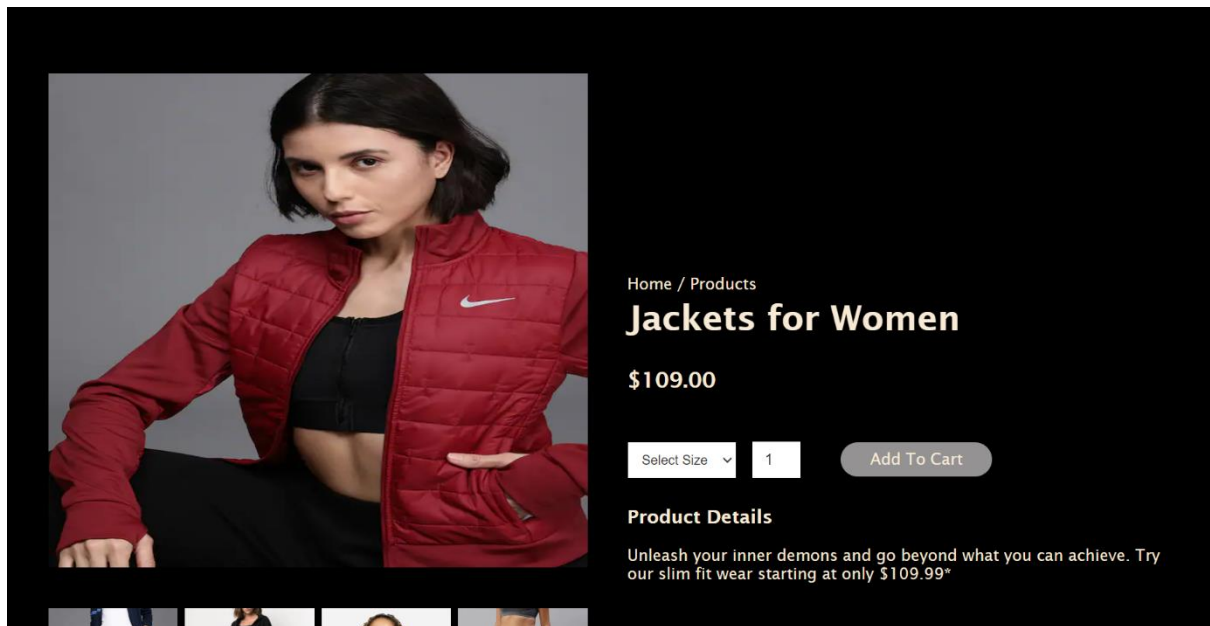
Figure 1. Product Page
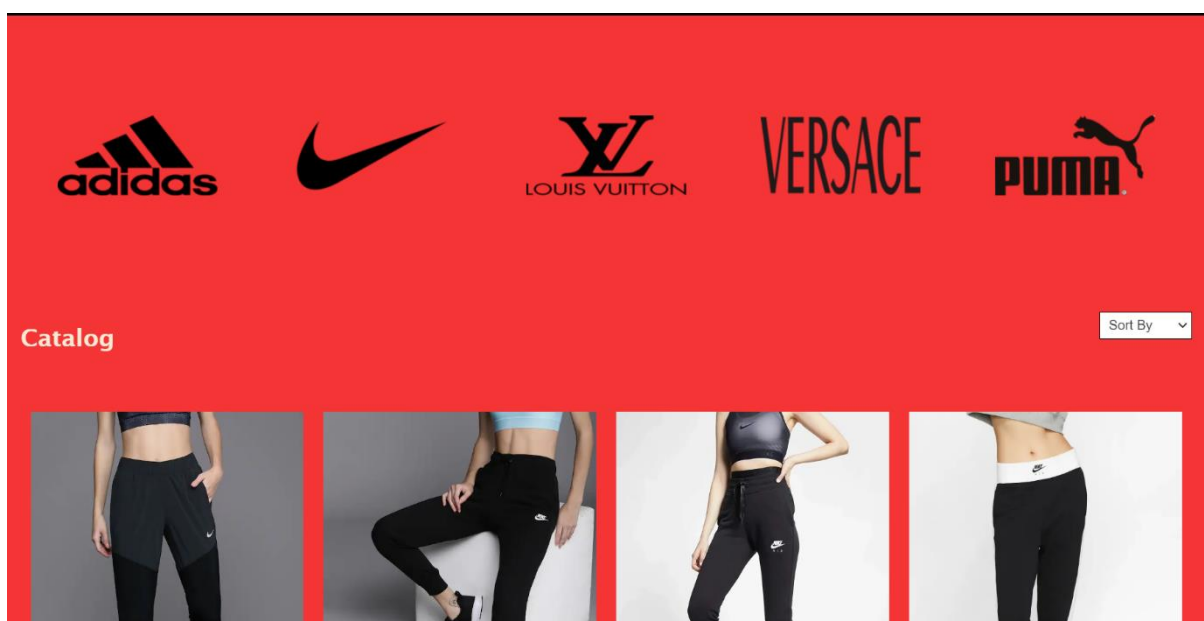
Figure 3. Product Description Page

The Product Description Page provides detailed information about individual product, including comprehensive descriptions, high-resolution images, pricing, and key features. Users can view essential details such as price , quantity, and add product to wishlist, allowing them to make informed decisions .
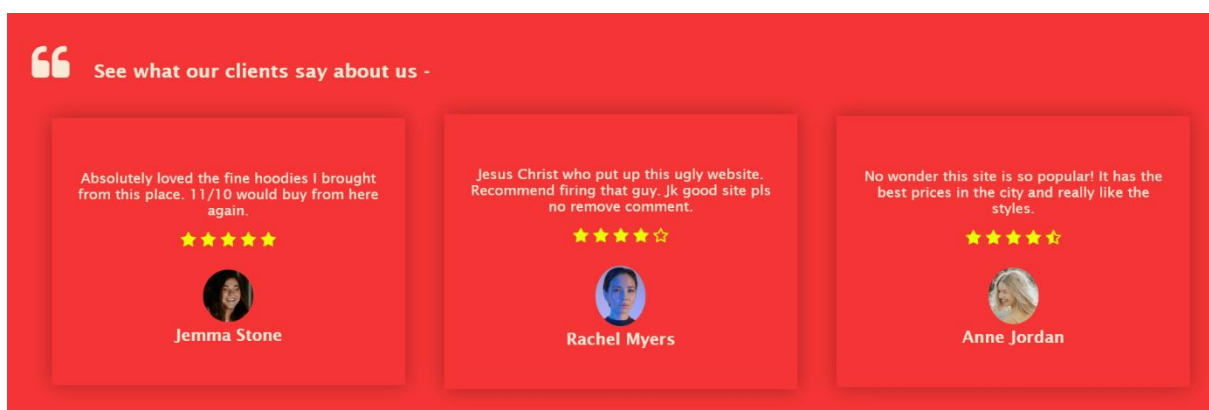
Figure 4. More features and Review area

More Features highlights additional property attributes, such as Decription of website , Additional information , information about Shipping and return , providing users with a fuller understanding of Customers reviews. This section helps users stay informed about options and emerging opportunities in their desired area.
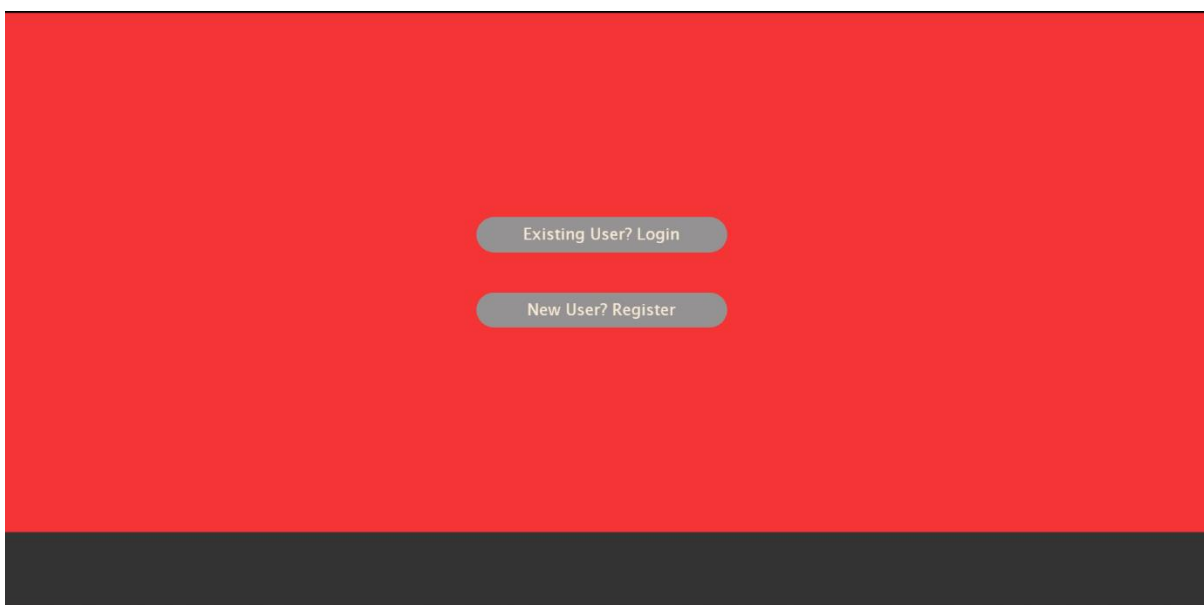

Figure 5. Login

The Login Page allows users to securely access their accounts by entering their credentials, such as username and password. It offers a streamlined interface for both existing users to sign in and new users to initiate the registration process, ensuring a personalized experience and access to saved preferences and property listings.

New User? Register

Login

Username

Password

Login

Forgot Password

Figure 6. Sign -Up

The Login-Page provides a straightforward process for new users to create an account by entering essential information, such as username, email, and password. This page facilitates a smooth onboarding experience, allowing users to access personalized features, save favorite properties, and manage their account details effectively.