

PureGlow Store

Web programming class project, academic year 2024 / 2025

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Date/time

<u>Topic</u>	<u>Mark</u>
Project Idea	
Project Complexity	
Project Tools	
Project Requirements and Modeling	
Project Discussion	
Project Completeness	
Project Output Results or reporting	
Project Administration and Management	
Project Report	
Team work	

Abstract:

The "**PureGlow** Store" is an innovative online platform designed to provide a seamless shopping experience for skincare, haircare, and makeup products. This web-based project offers a user-friendly interface that allows customers to explore a wide range of beauty products, add items to their favorites or shopping cart, and place orders with ease. Additionally, the project features an administrative dashboard, enabling administrators to manage products, monitor customer activities, and handle orders efficiently. The website incorporates visually appealing designs, dynamic product filtering, and an interactive user experience, showcasing the potential of modern web development to simplify and enhance online shopping.

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Introduction:

The "**PureGlow** Store" project is an online beauty shop created to make purchasing skincare, haircare, and makeup products convenient and enjoyable. The platform offers an organized catalog of products, complete with descriptions, prices, images, and categories to help users find exactly what they need. Customers can easily add items to their favorites, view product details, and manage their shopping cart before completing their purchase. For administrators, the website includes a comprehensive dashboard for managing products, customers, and orders. Features such as adding or editing products, tracking order statuses, and viewing customer data provide a complete solution for store management. The project demonstrates the use of clear design principles, responsive layouts, and interactive features to create an effective e-commerce website tailored to user needs.

Requirements:

Project Requirements for PureGlow Store

The **PureGlow Store** is an online web-based platform that specializes in providing products in the categories of skincare, haircare, and makeup. The system includes the following features and entities:

1. Products

Each product in the store has the following attributes:

- **Name:** The name of the product.
- **Description:** A brief description of the product.
- **Price:** The cost of the product.
- **Quantity:** The available stock for the product.
- **Image:** A visual representation of the product.
- **Type:** The category of the product (e.g., skincare, haircare, makeup).
- **Special Type:** Specific details about the product (e.g., "For Dry Skin").
- **Date of Display:** The date when the product was made available in the store.

2. Customers

The platform supports customer accounts with the following attributes:

- **Name:** The full name of the customer.
- **Address:** The customer's residential address.
- **Phone Number:** The contact number of the customer.
- **Email:** The customer's email address.
- **Password:** A secure password for logging into the store.
- **Registration Date:** The date the customer registered on the platform.

3. Orders

Customers can place orders through the platform, and each order contains the following attributes:

- **Order Date:** The date the order was placed.
- **Order State:** The current status of the order (e.g., Pending, Canceled, or Completed).
- **Total Amount:** The total cost of the order.
- **Total Quantity:** The total number of items in the order.

4. Relationships Between Entities

- **Favorite Products:**
 - A customer can have multiple favorite products.
 - A product can be marked as a favorite by multiple customers.
- **Cart:**
 - A customer can add multiple products to their cart.
 - A product can be added to the cart by multiple customers.
- **Orders and Products:**
 - An order can contain multiple products.
 - A product can be included in multiple orders.
- **Orders and Customers:**
 - An order is associated with one customer.
 - A customer can place multiple orders.

Tools used in the project:

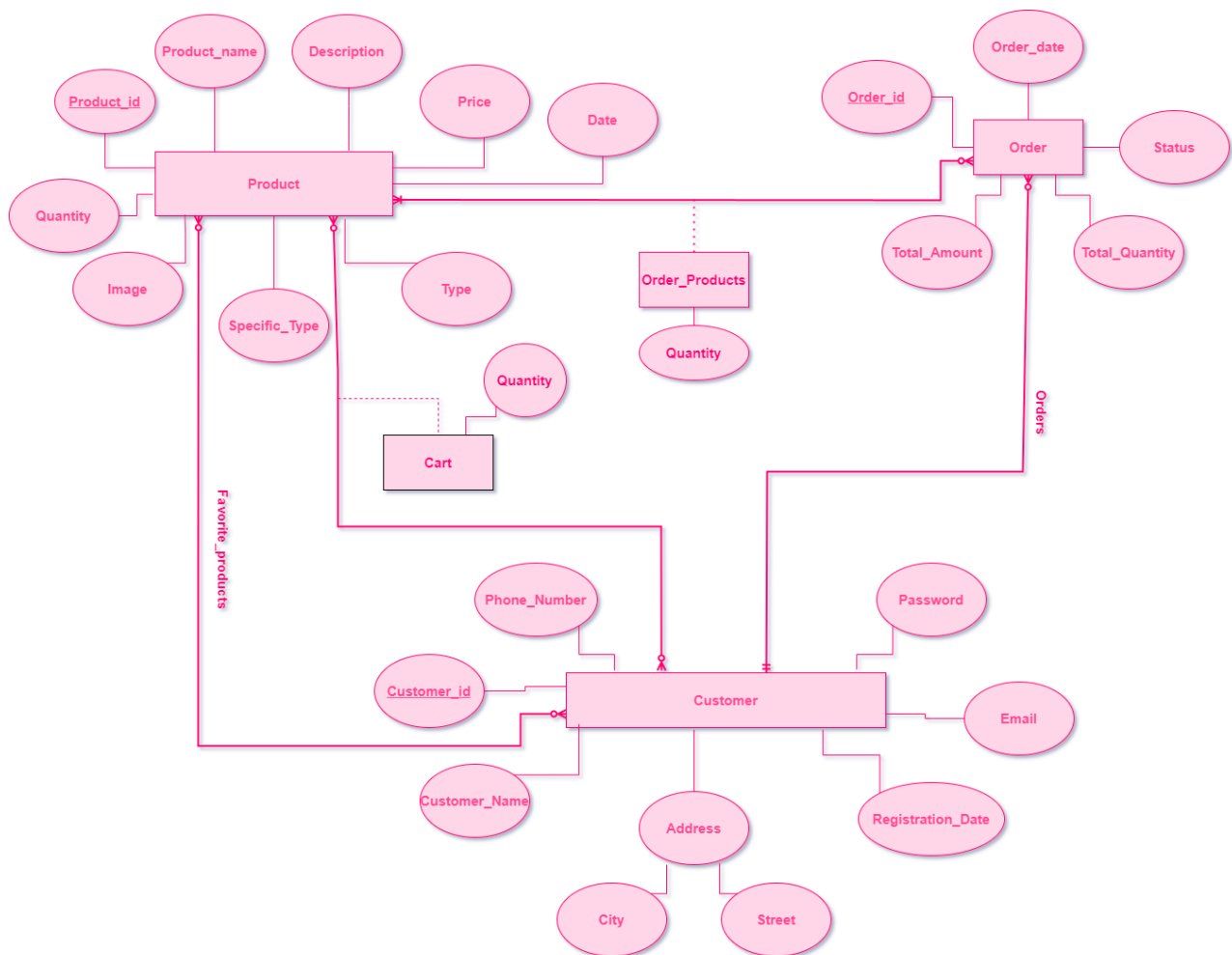
- PHP Storm:



- XAMPP:



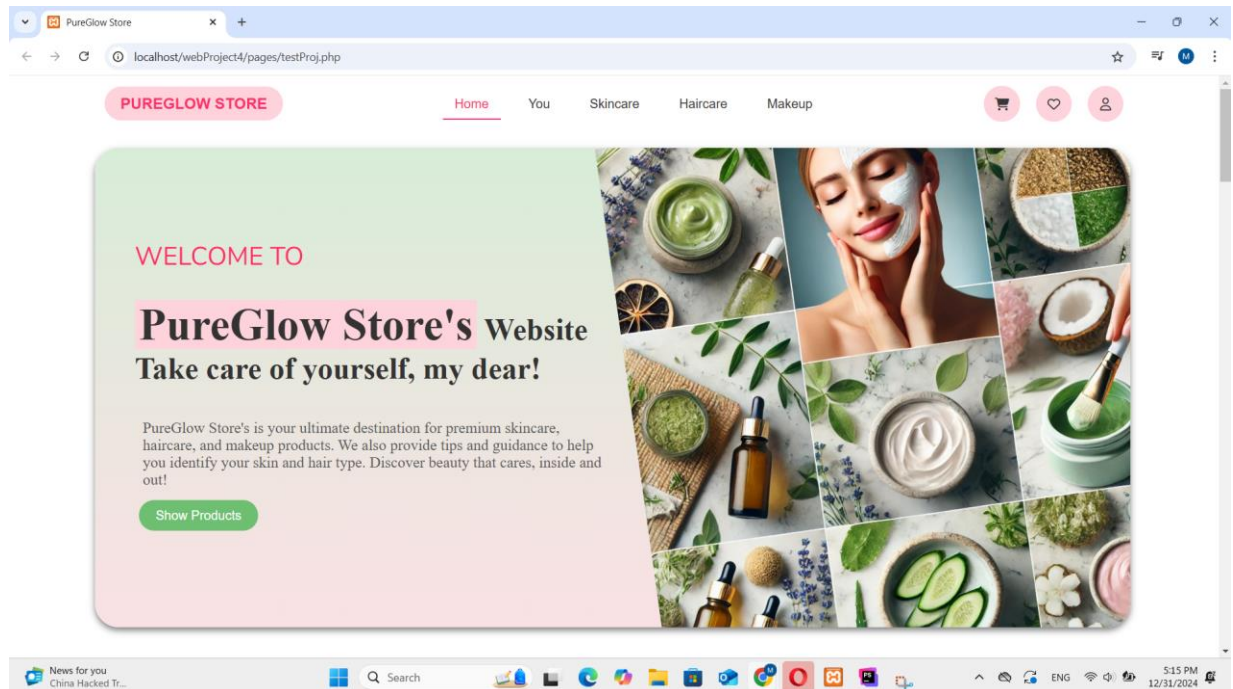
Project database EER:

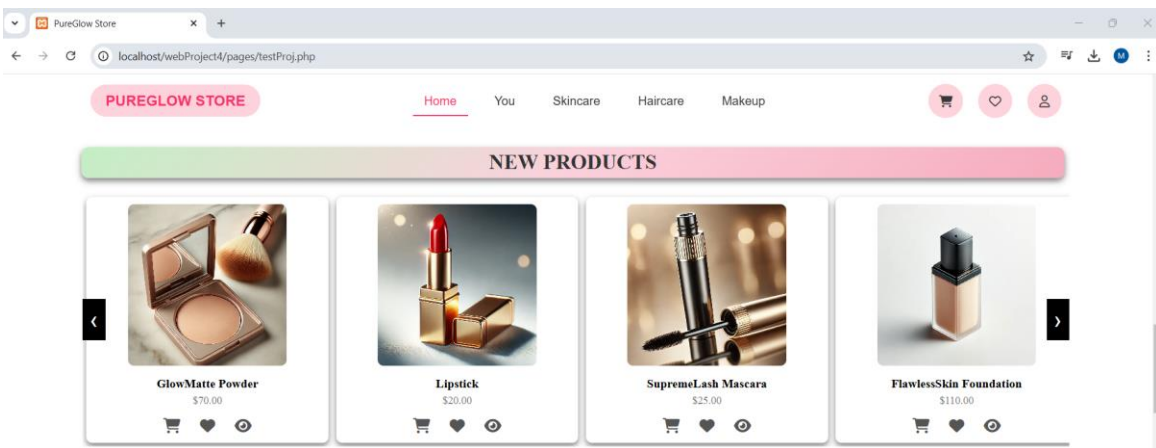
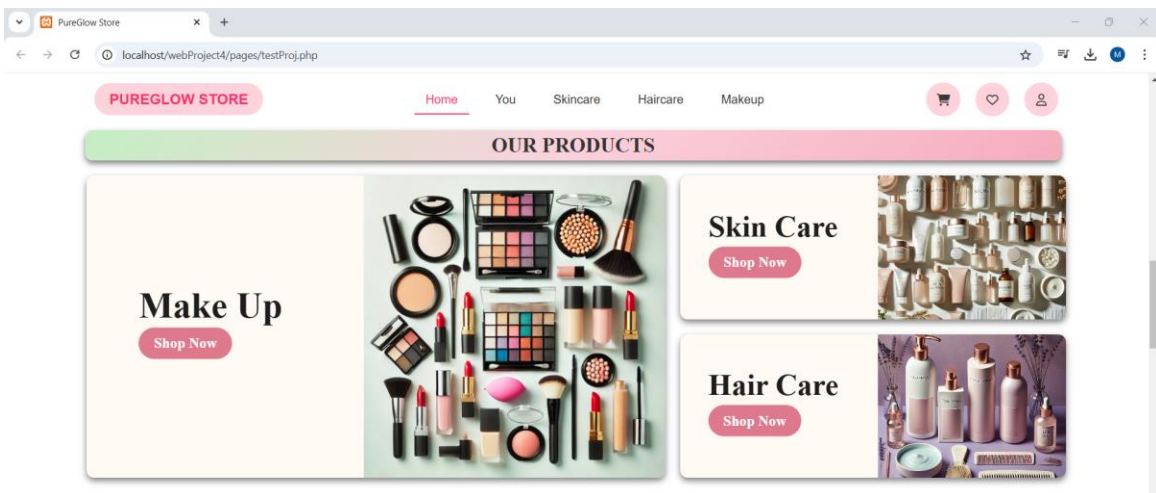
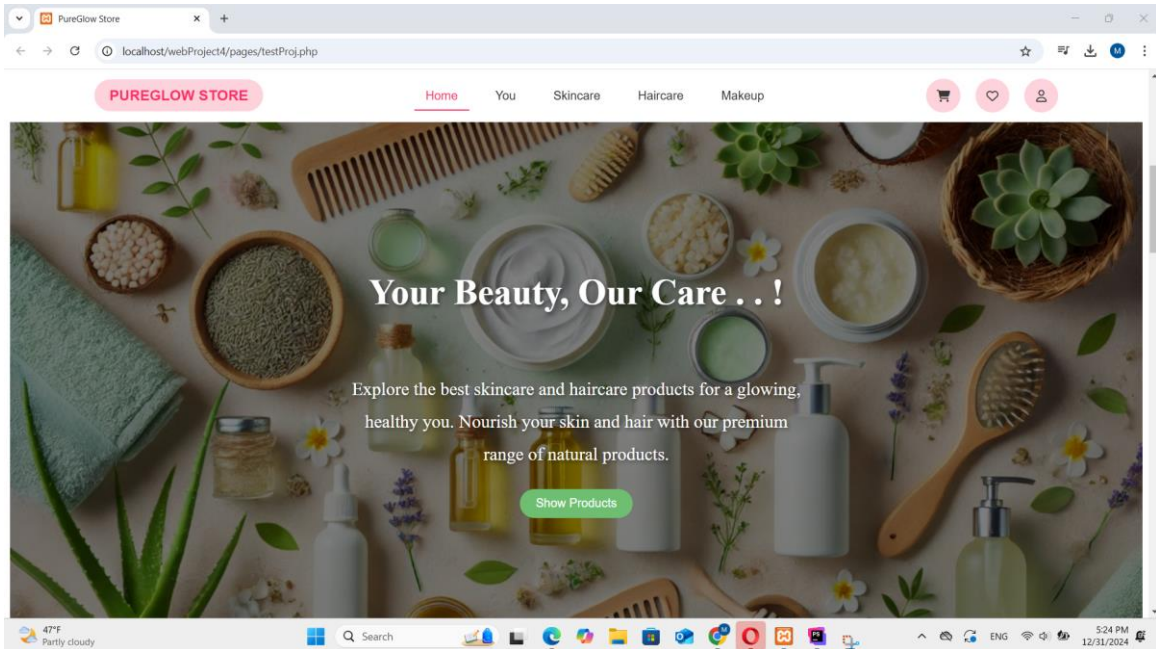


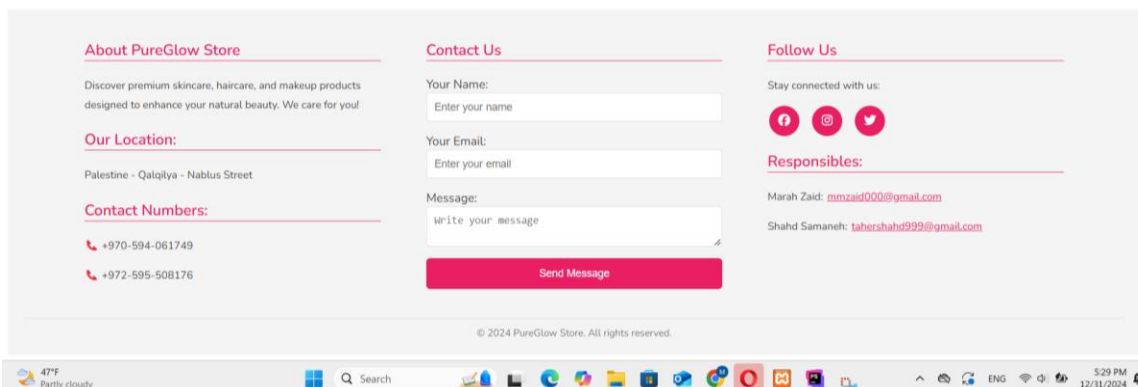
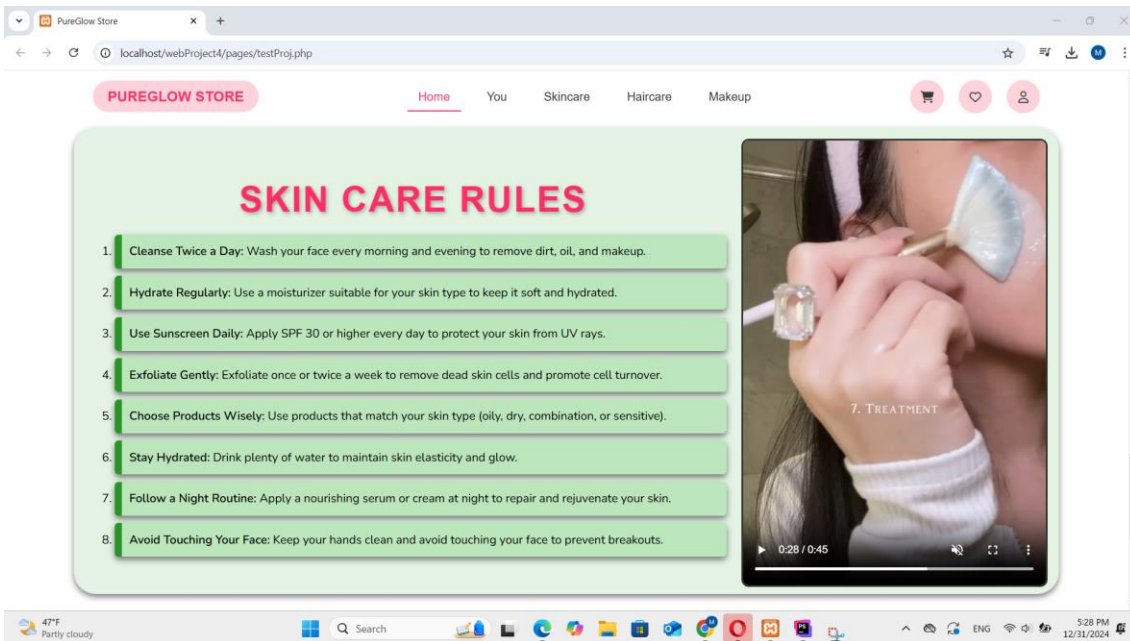
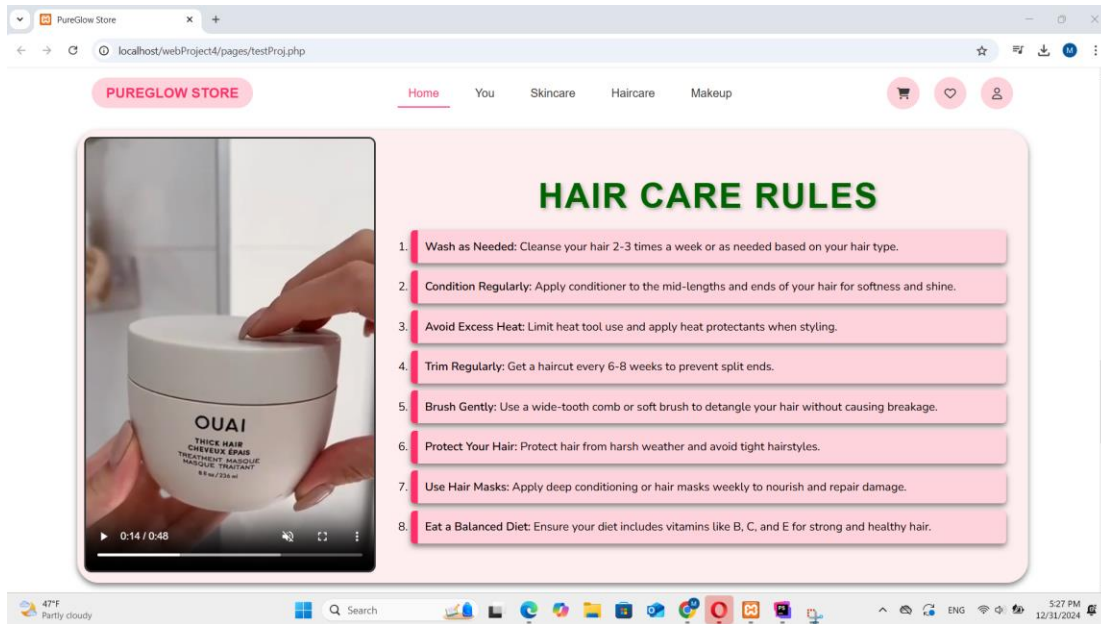
What each interface does:

1. Home page:

Our website's homepage contains a menu at the top, then a small overview of our humble store and the products it offers. We used appropriate colors such as pink and green, and placed some attractive images to attract the visitor to complete his shopping in the store. Then, the products section, we placed links to shop for the three products offered by our store, then the new products section, which displays the latest products that were added in the last thirty days. We ended this page with videos and tips for both skin and hair care separately. Then, the footer of the page contains information about the store, such as its location, and means of communication such as email, noting that the header and footer appear on all pages.

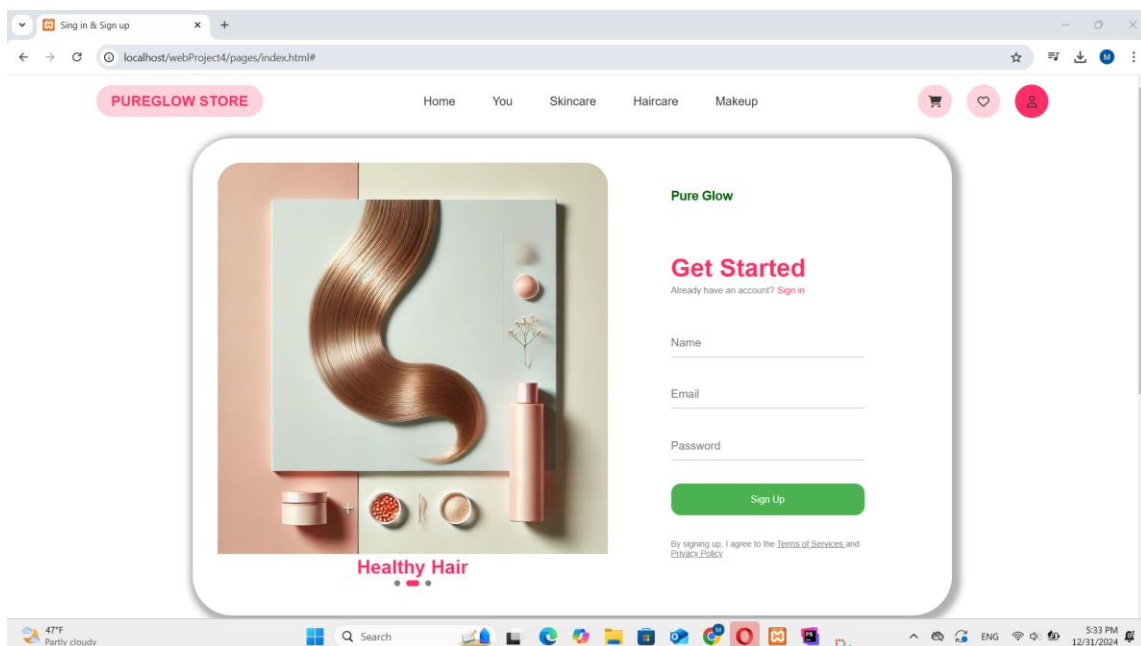
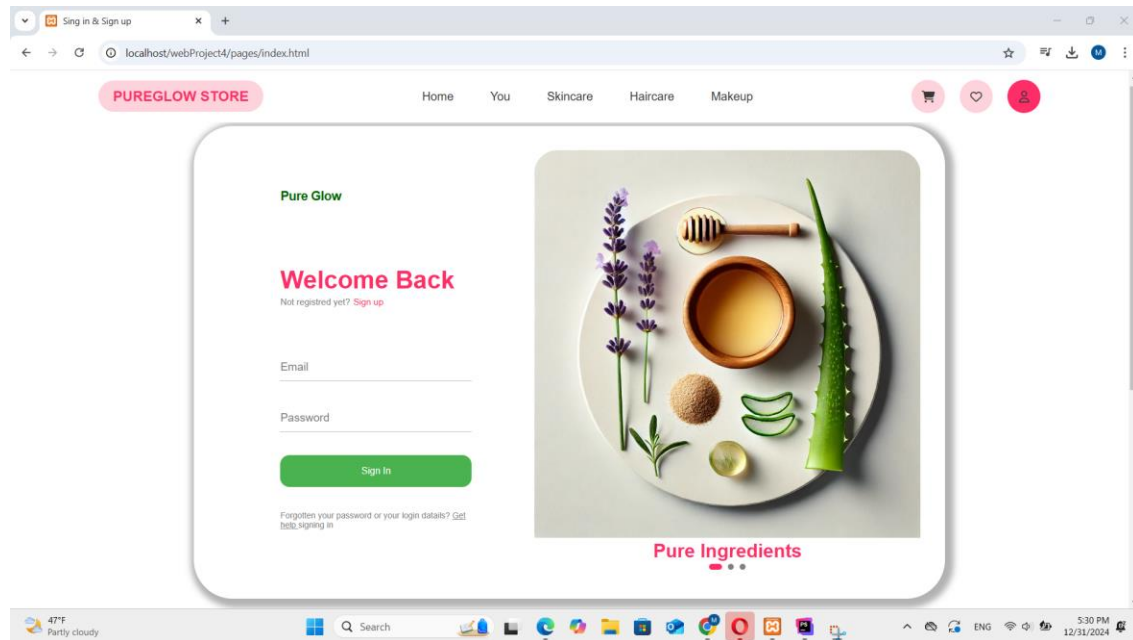


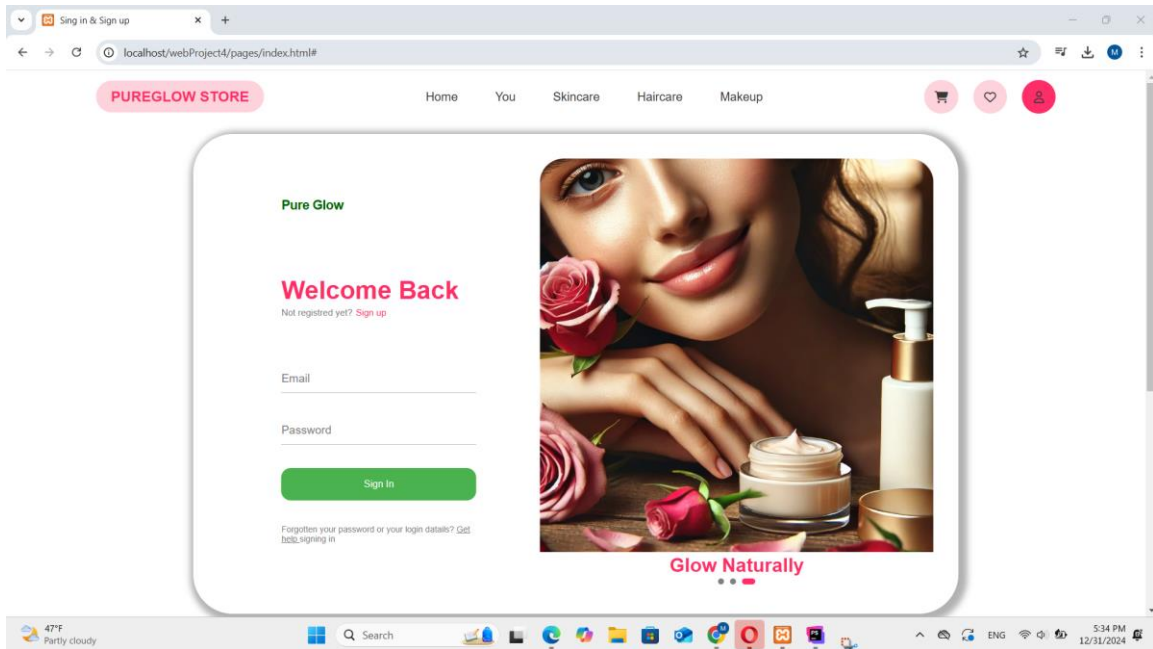




2. Sign in / Sign Up page:

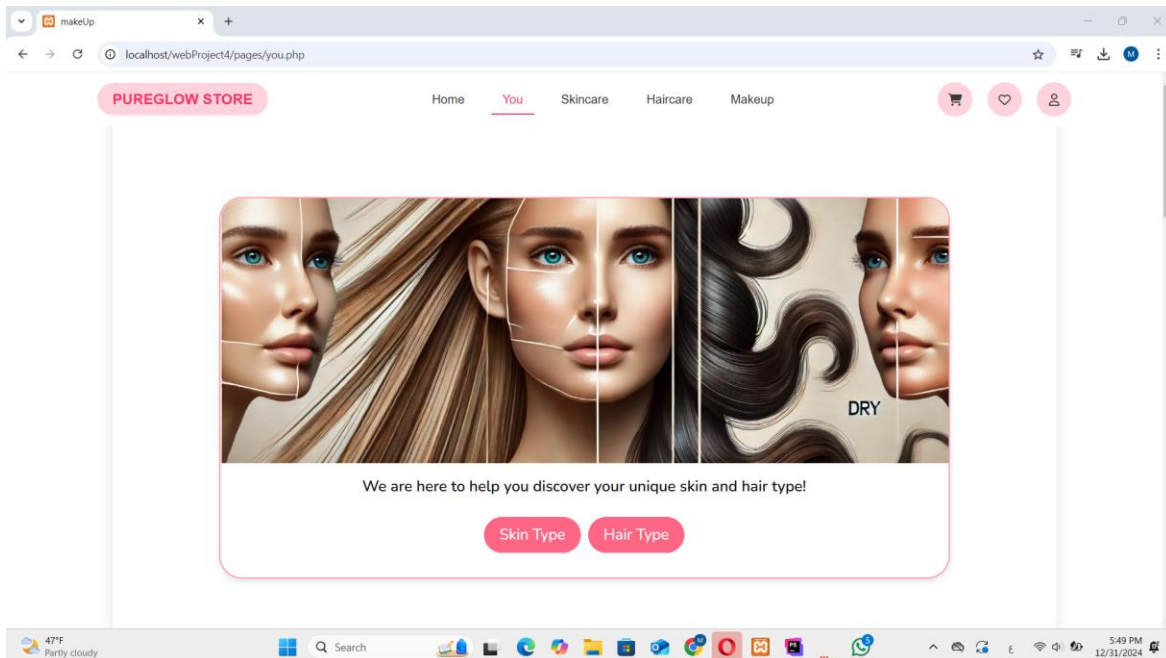
On this page, we designed the Sign-In and Sign-Up interface for our site, where the user can navigate between them as he needs. We divided the page into two parts: the first contains a form for entering user data such as name, email and password, and the second displays high-quality images of the products with attractive titles such as “Glow Naturally” and “Healthy Hair”.

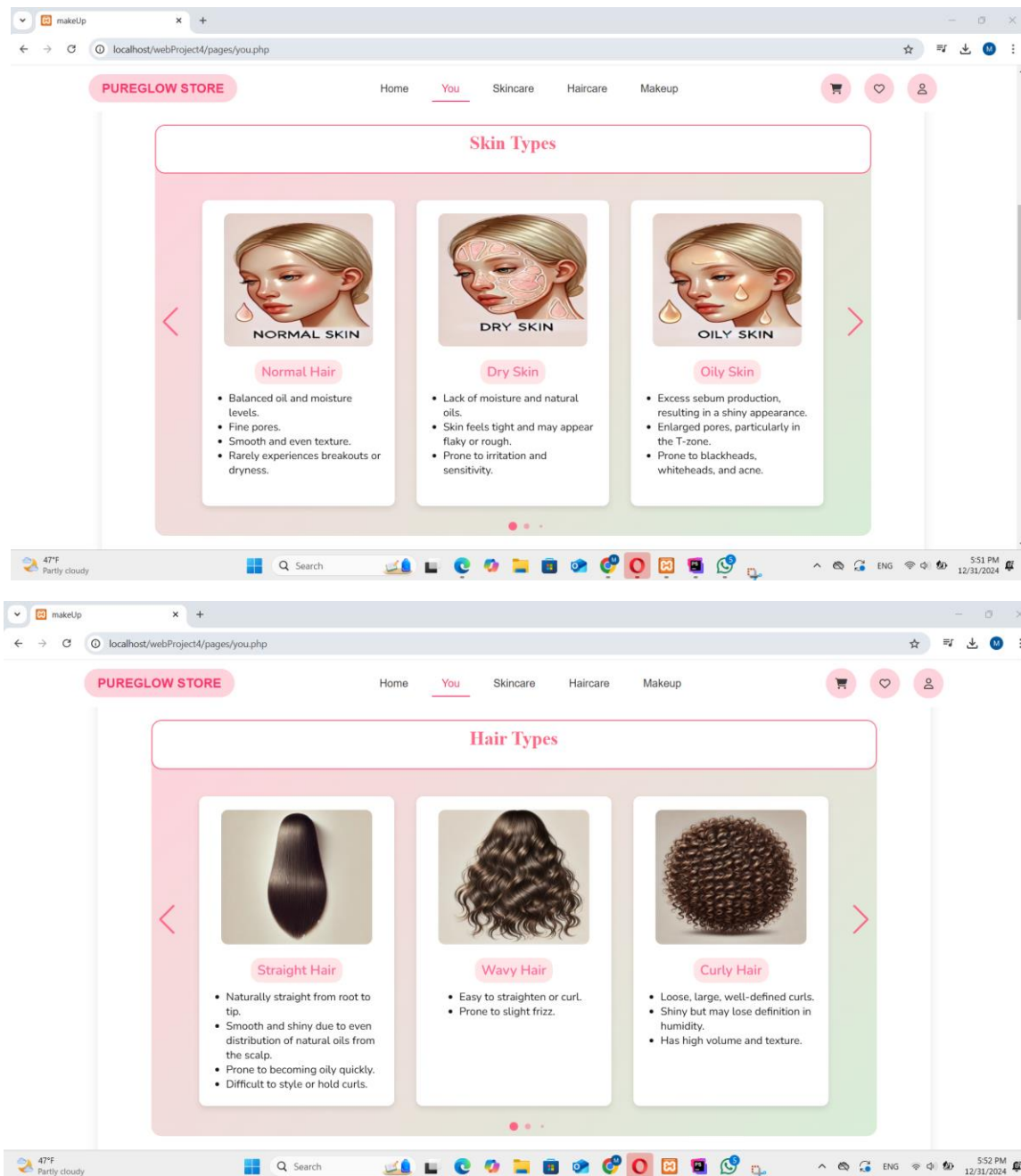




3. "You" Page:

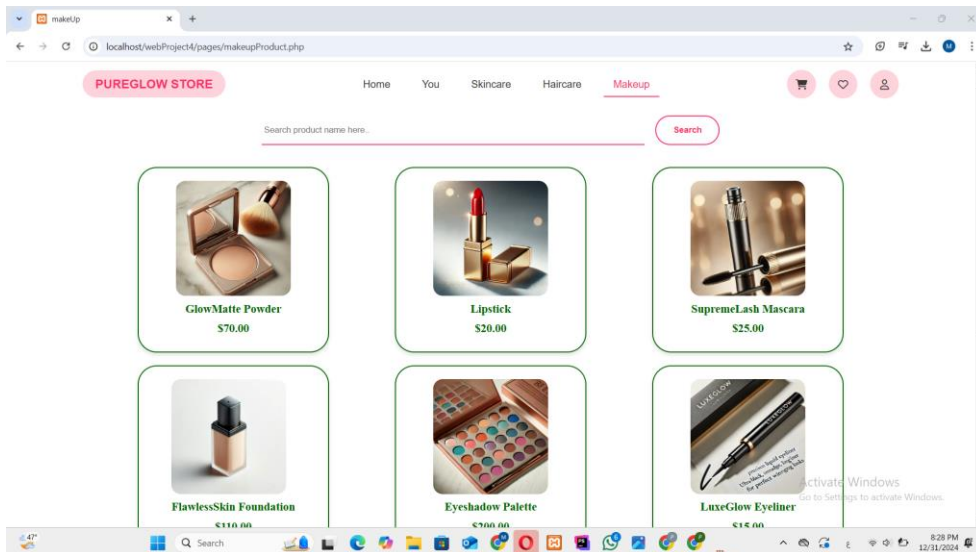
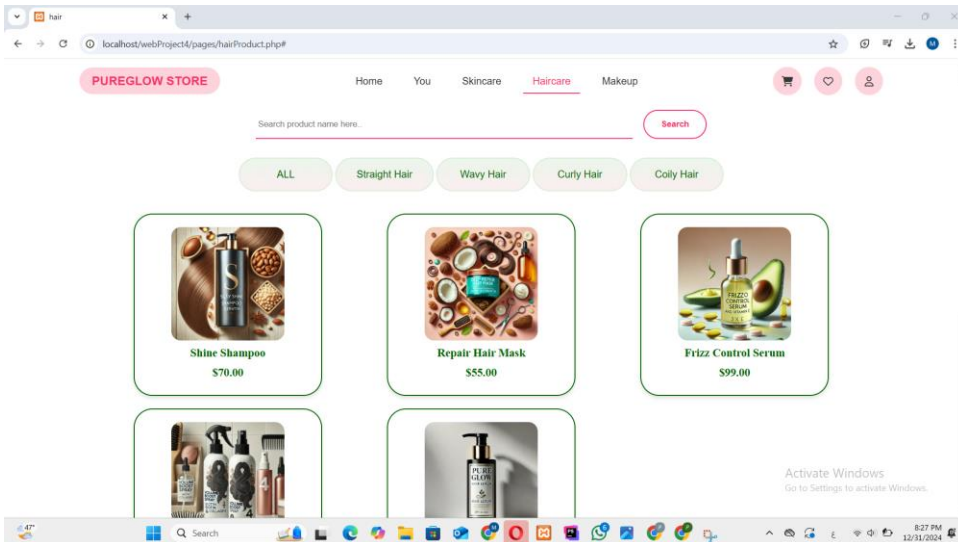
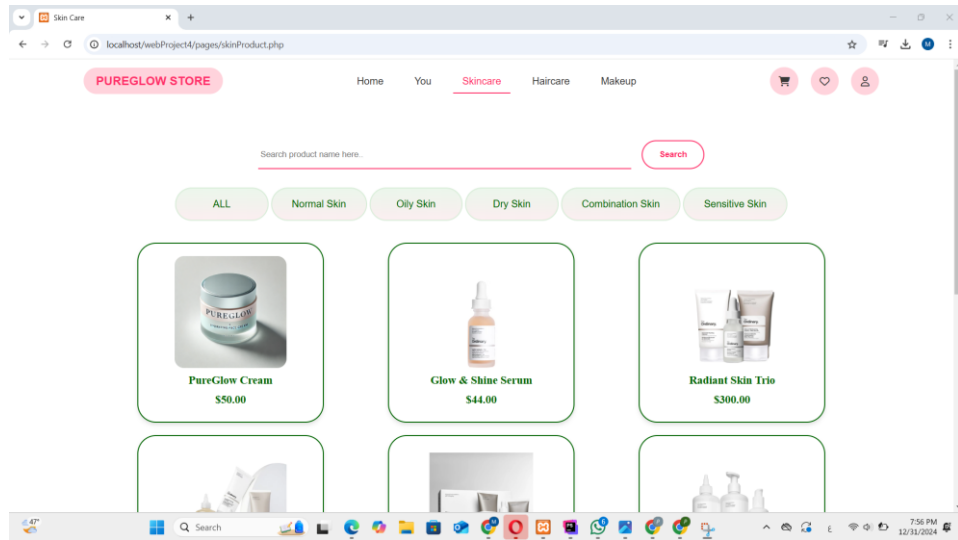
We created this page to guide girls visiting our site about their skin and hair type, as knowing this helps in using the appropriate products.





4. Skincare & Haircare & Makeup Products:

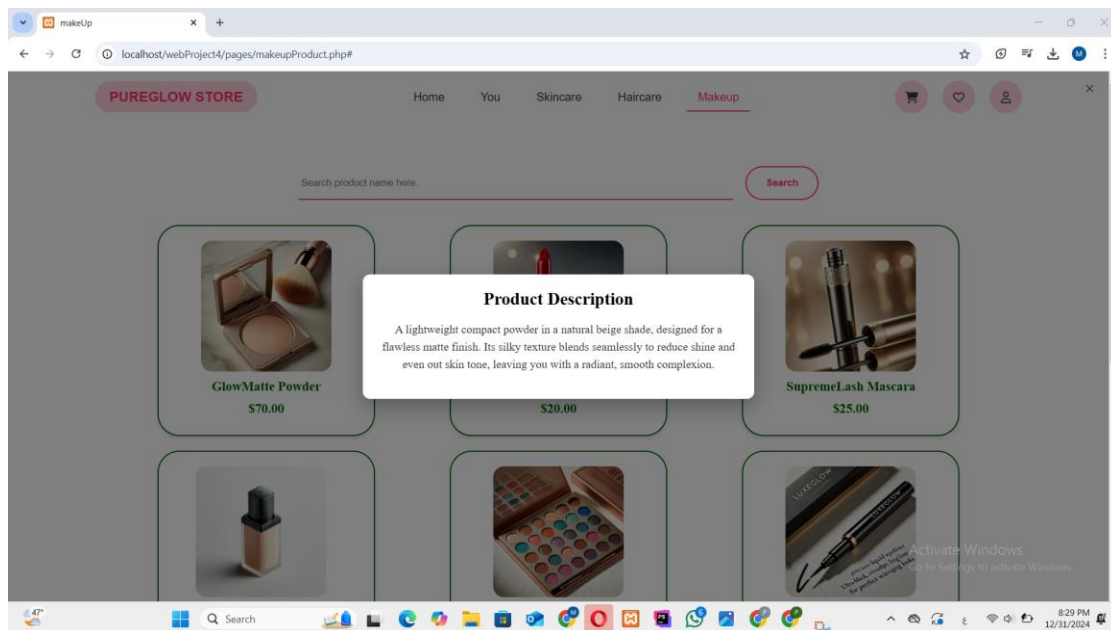
At the beginning, it contains a search box, the user can search for a specific product, below it there is a filter for products according to skin or hair type, then all the products available in the store, noting that when the mouse passes over a specific product, three buttons appear, which are (Add to bag, add to favorites, View description) as we will explain in the pictures.



When the mouse is hovered over the product:



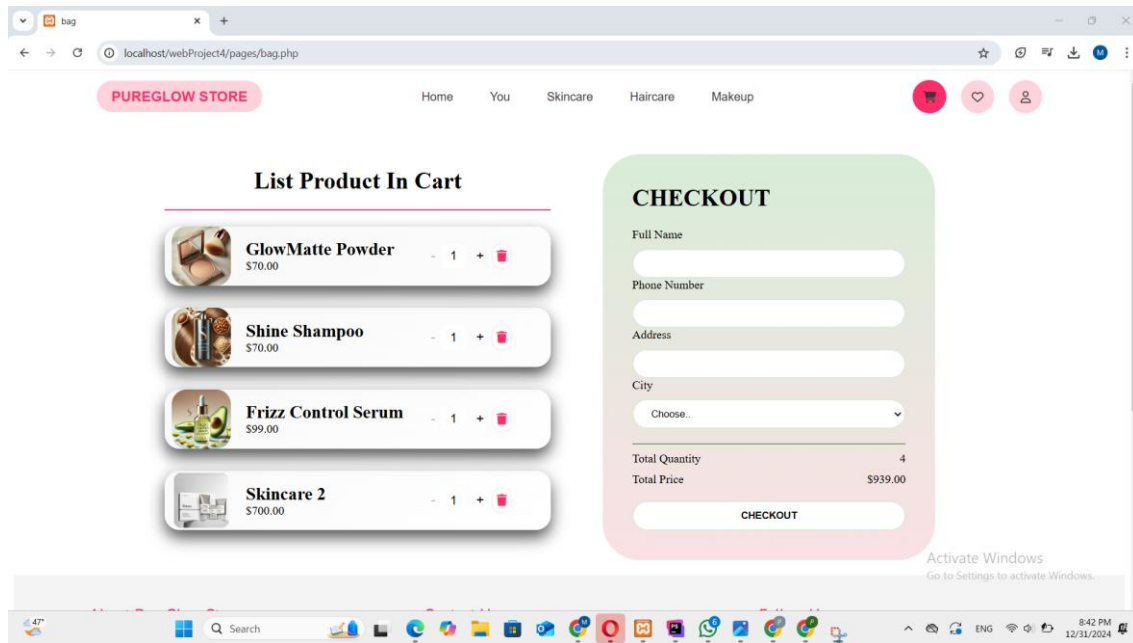
When clicking on the View Description button:



When the Add to Favorites button is clicked, the product is added to the favorites if the user is logged in to the site, otherwise it will take him to the login screen, and the same applies to the Add to Bag button.

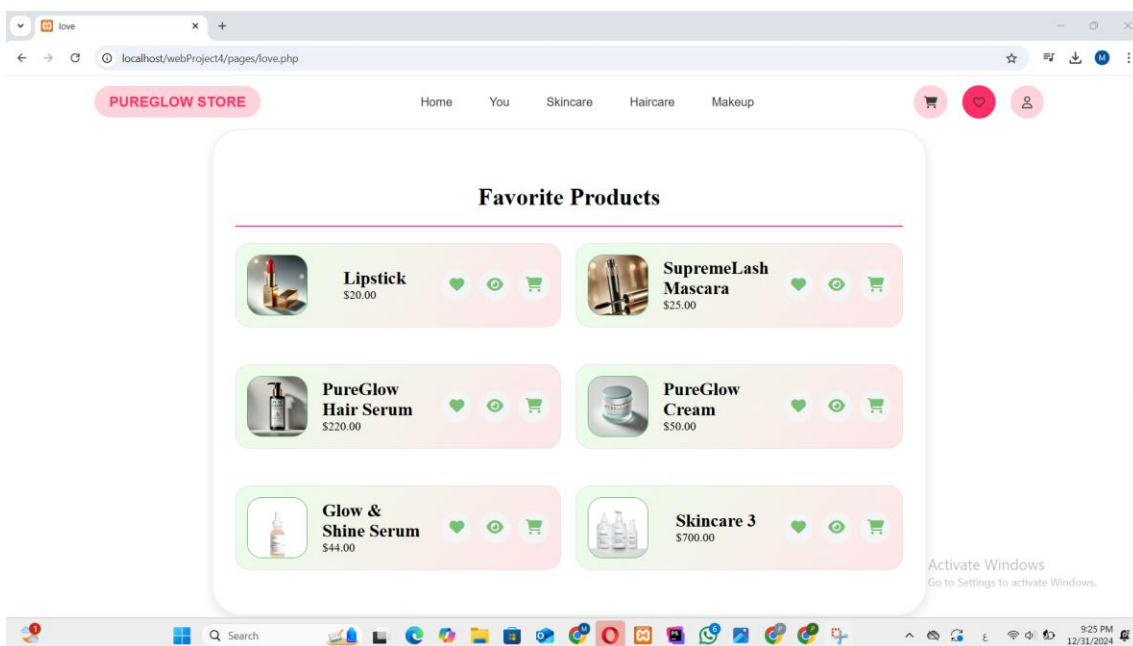
5. Bag page:

This page contains all the products that were added to the bag by the user on the left side, while on the right side there is a form to request an order consisting of all the products in the bag. The user must fill in his city, address, and contact information.



6. Favorites page:

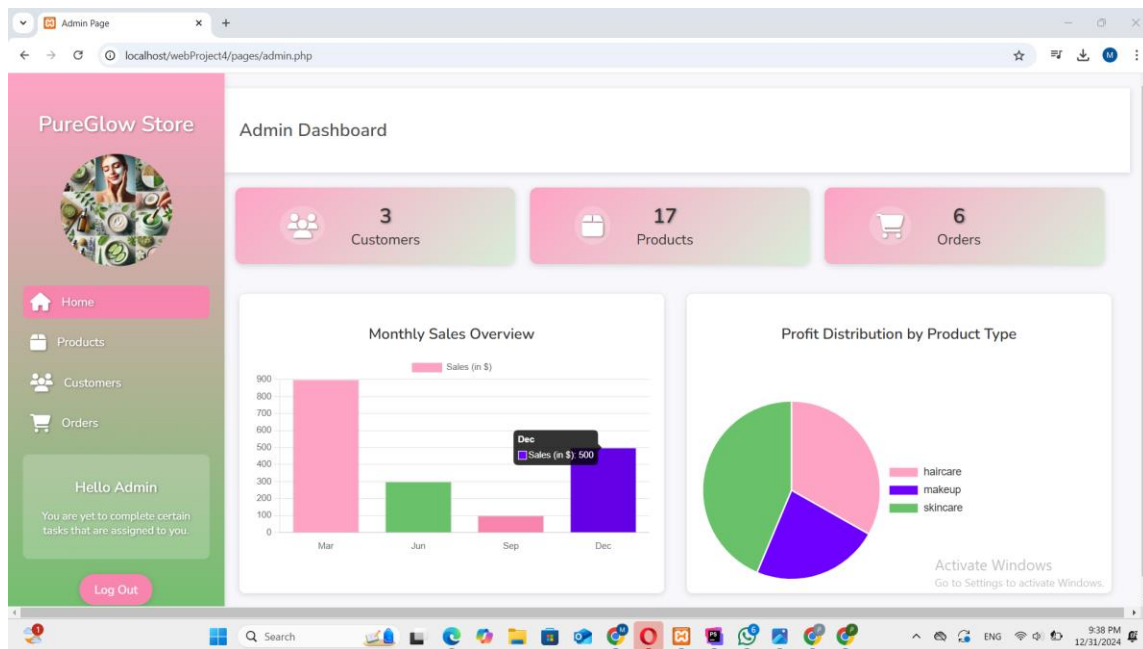
All products that the user has added to his favorites will appear on this page, as it is considered a folder that the user can return to whenever he wants to order products that he likes.



Admin Dashboard:

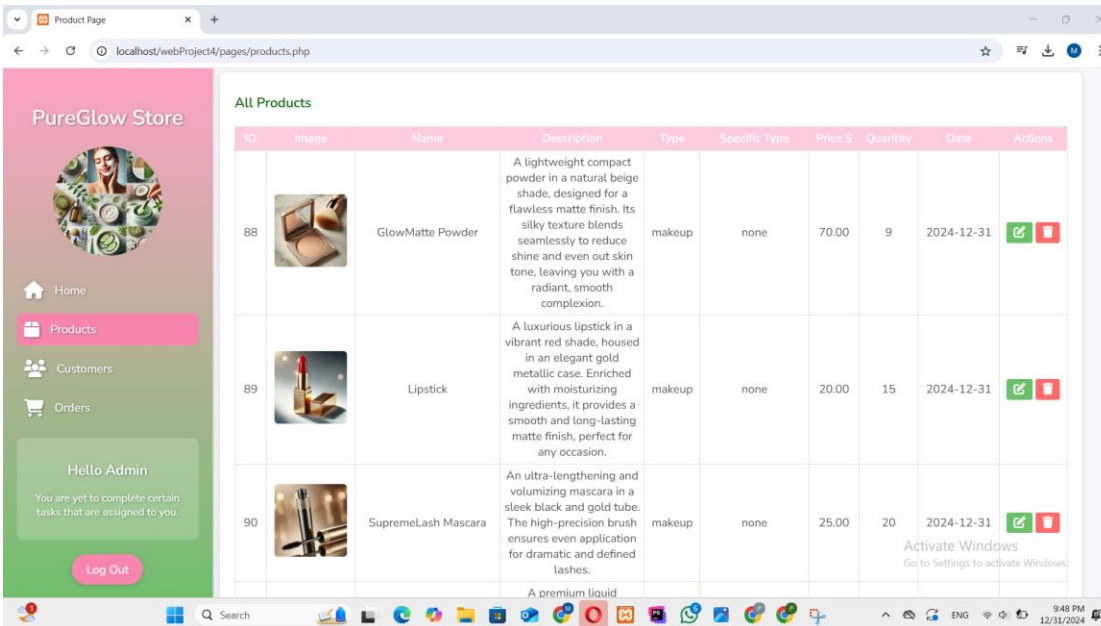
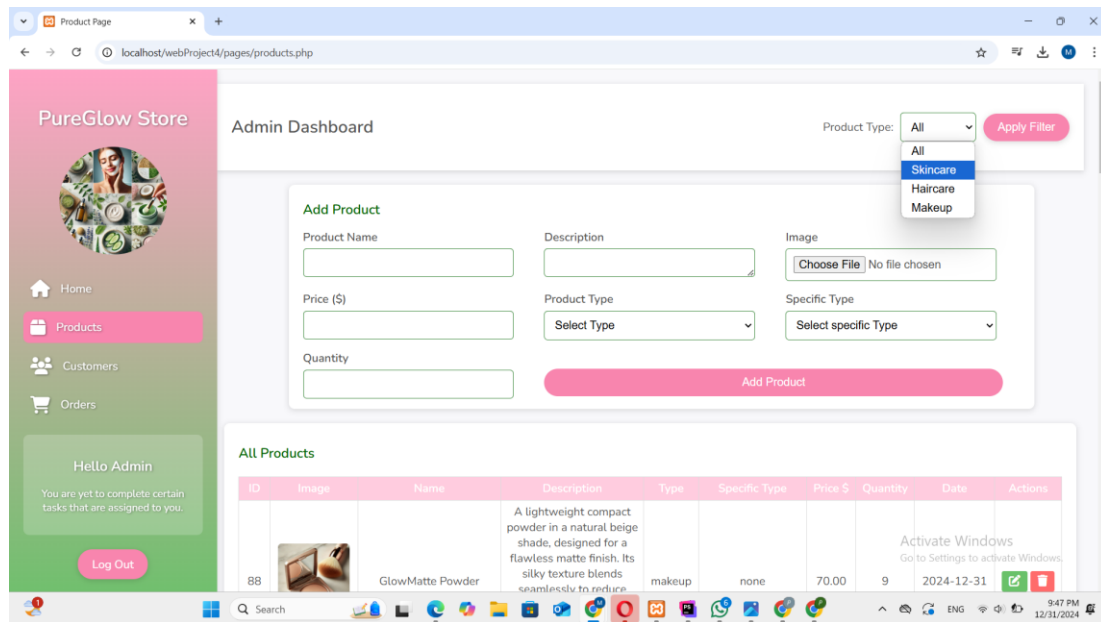
1. Home page:

The admin home page contains statistics about the store, such as the number of products, customers, and orders. Below them are two graphs. The first represents sales in each of the months in which completed orders were sold. The second represents the distribution of profits according to the type of product.



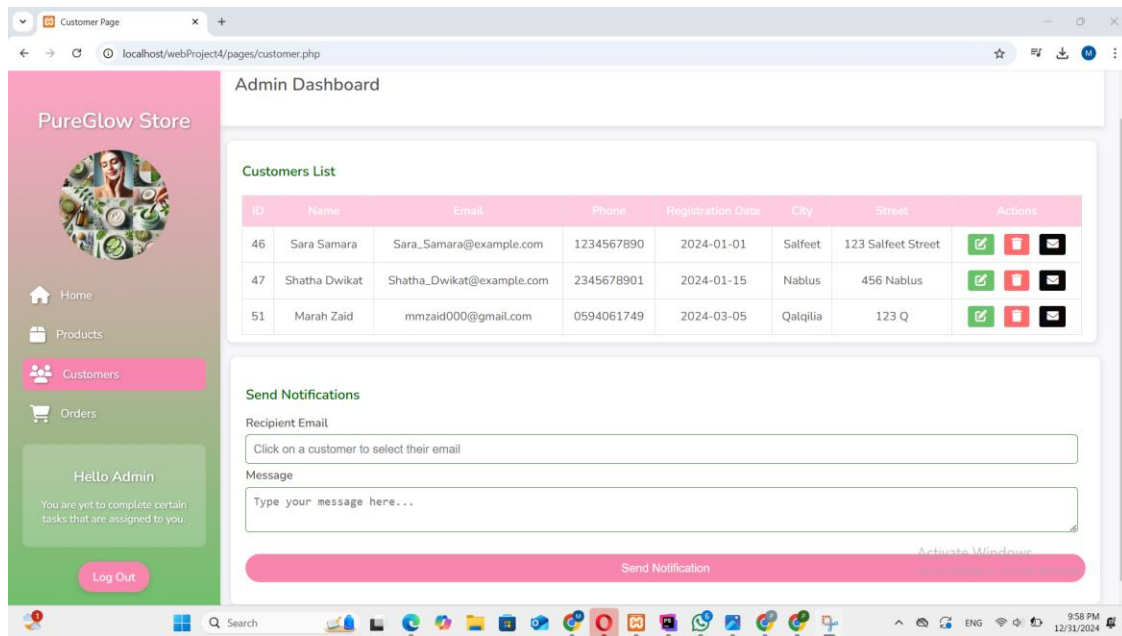
2. Products Page:

The products page at the top contains a filter to show the products in the table below by type, then a form to add a new product. The products appear in the table according to the filter. You can update or delete any product by clicking on the buttons in the last column of the table.

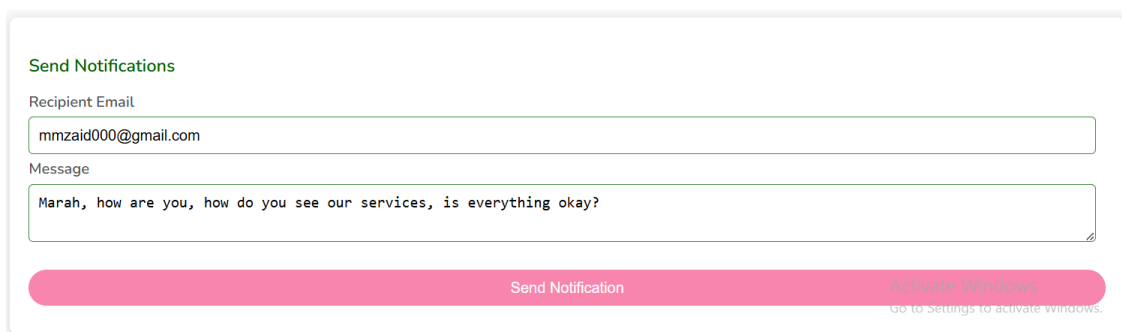
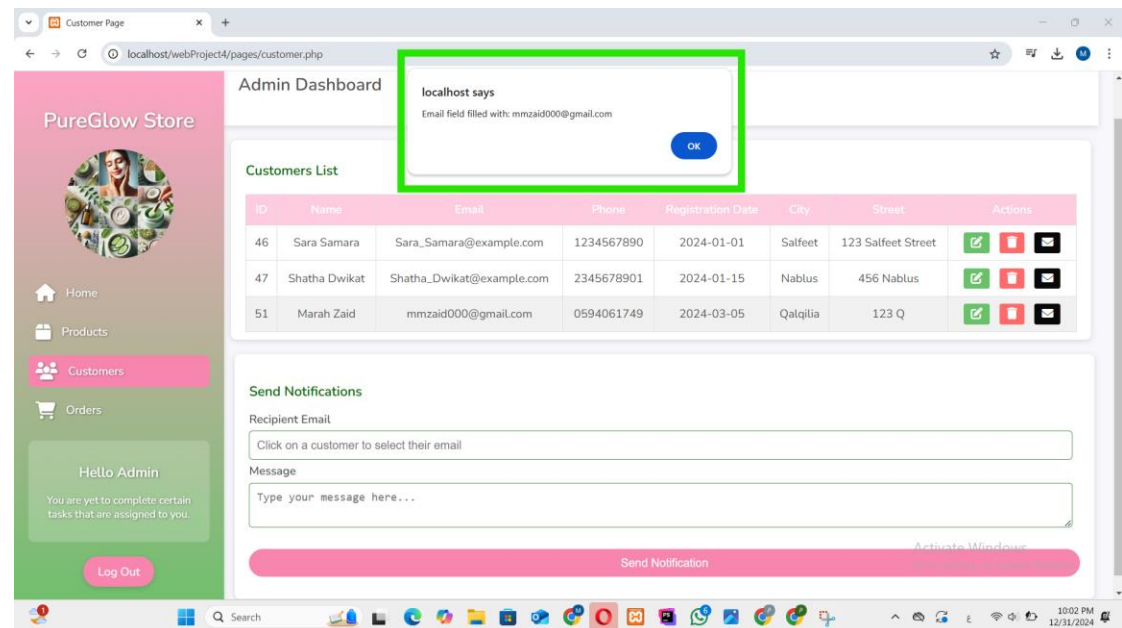


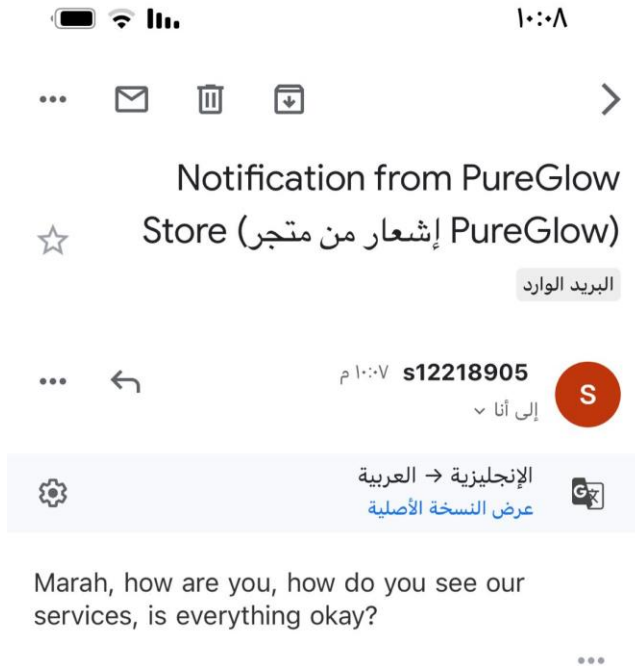
3. Customers Page:

All customers appear here in a table. Any customer can be deleted or updated by clicking on the buttons. A message can also be sent to the customer through his email via the form below, as we will show in the pictures.



When clicking on the View Email button:





4. Orders Page:

All orders appear here in the table based on the filter according to the order status. The admin can also change the order status through the buttons in the last column of the table.

PureGlow Store

Admin Dashboard

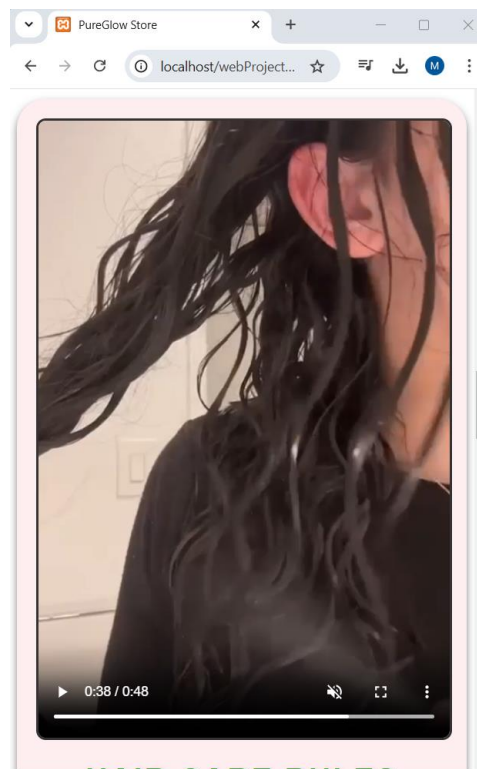
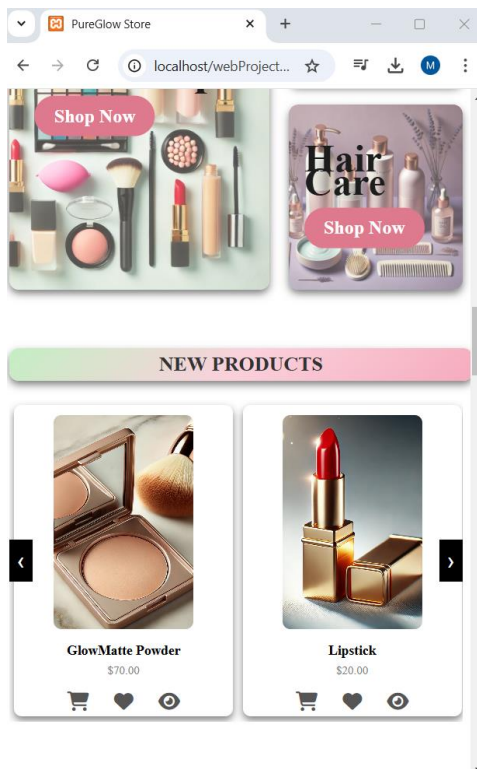
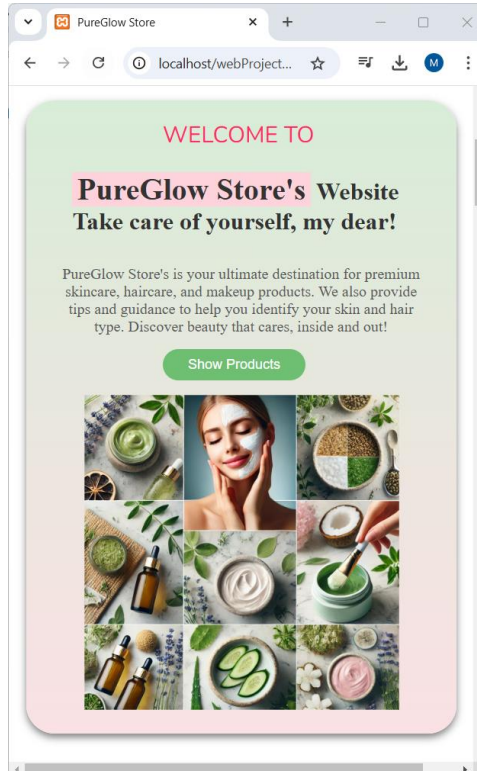
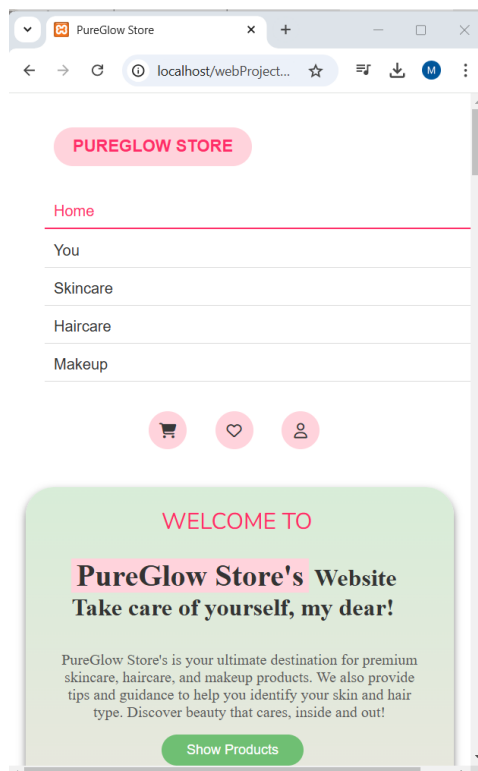
Filter by Status: All (Dropdown menu: All, Completed, Pending, Cancelled)

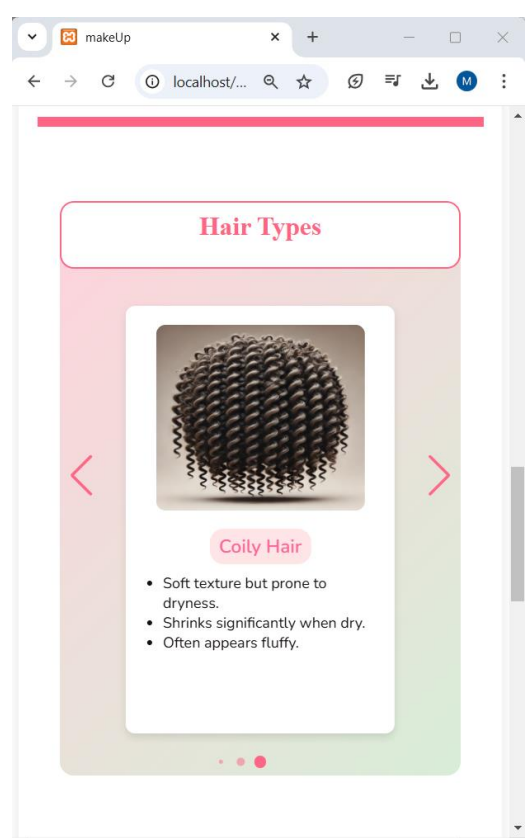
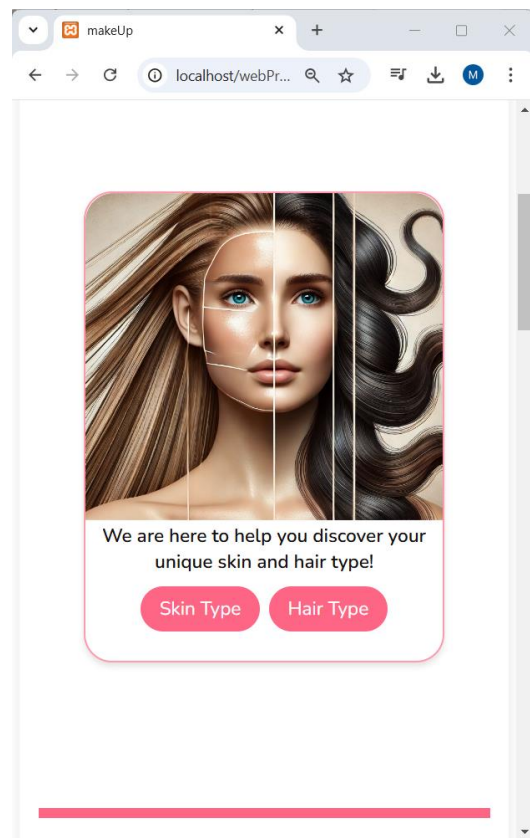
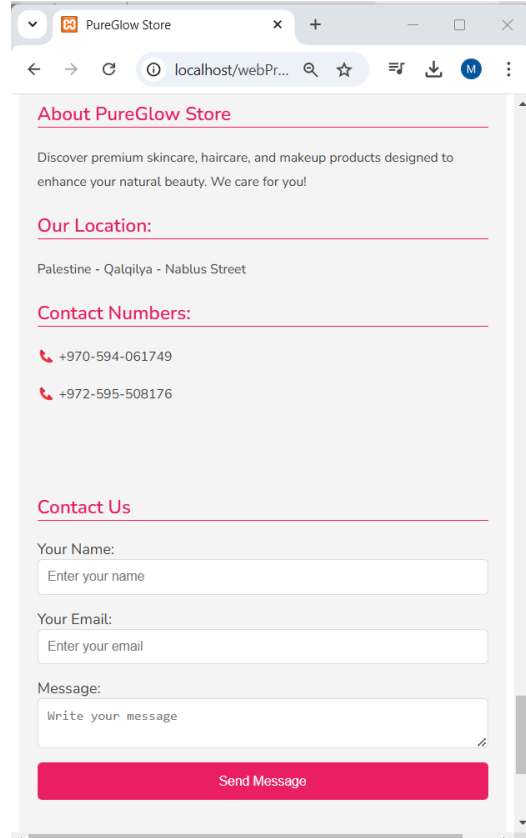
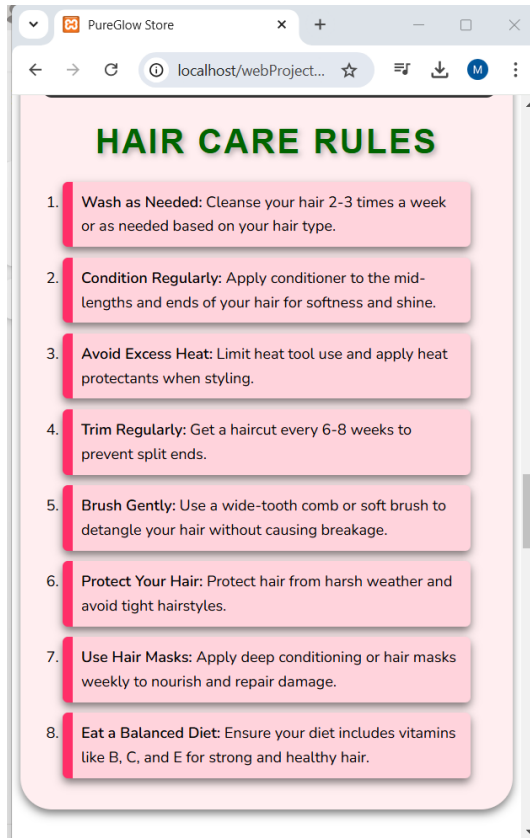
Orders List

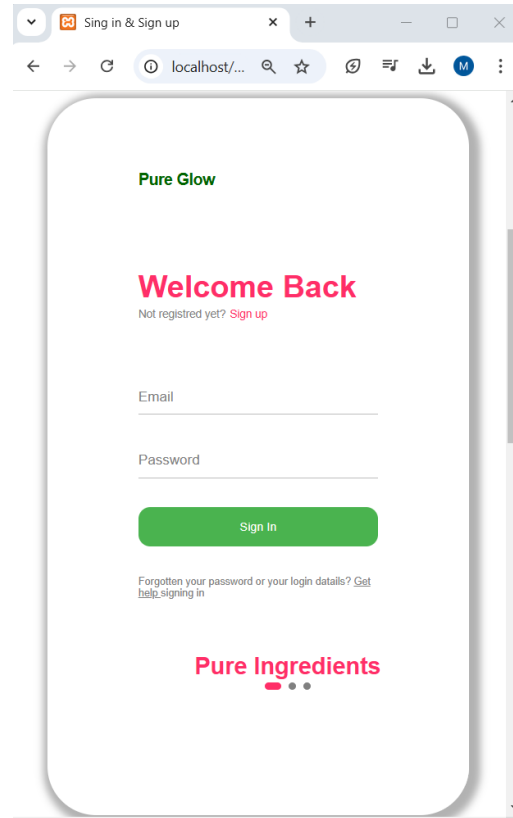
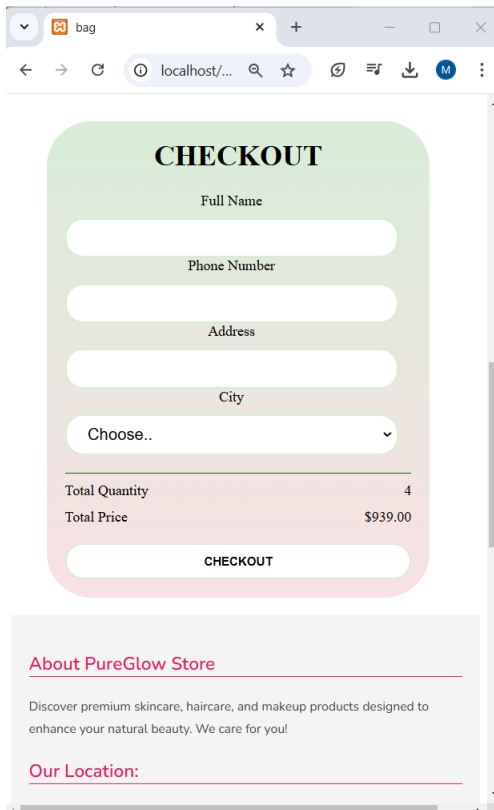
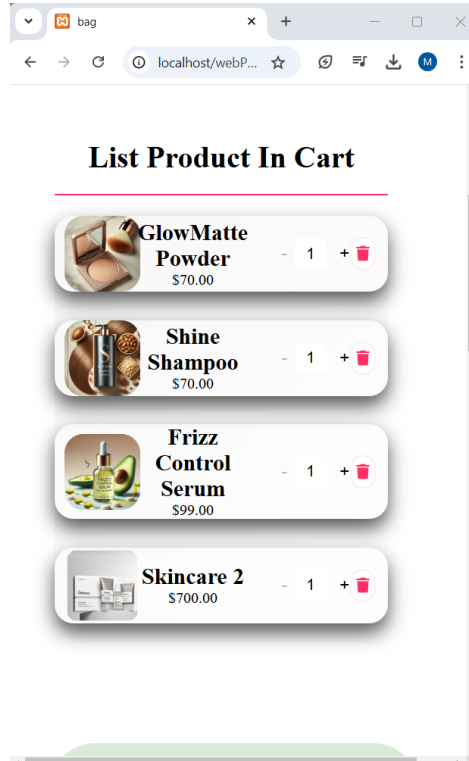
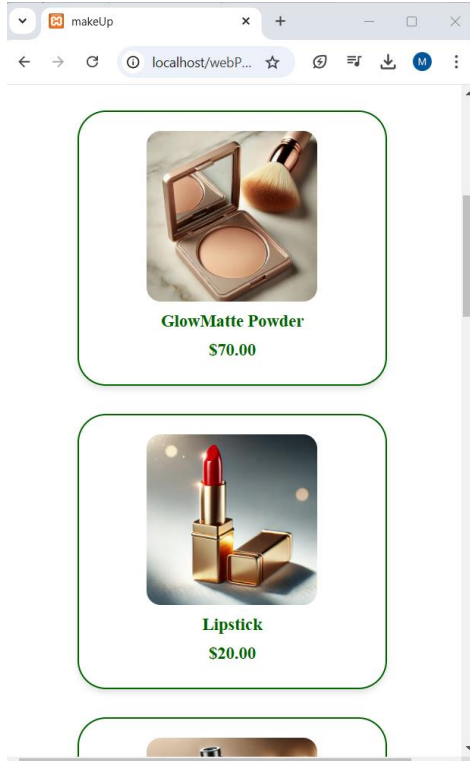
Order ID	Customer Name	Products	Status	Total Price	Order Date	Actions
223	Marah Zaid	Eyeshadow Palette, Skincare 1	Completed	\$500.00	2024-12-11	✓ ! ✕
224	Sara Samara	Lipstick, Repair Hair Mask	Completed	\$300.00	2024-06-11	✓ ! ✕
225	Shatha Dwikat	SupremeLash Mascara	Completed	\$100.00	2024-09-03	✓ ! ✕
226	Marah Zaid	Volume Boost Spray, PureGlow Hair Serum, Lipstick	Completed	\$900.00	2024-03-02	✓ ! ✕
227	Sara Samara	GlowMatte Powder	Pending	\$100.00	2024-10-01	✓ ! ✕
228	Shatha Dwikat	Frizz Control Serum, PureGlow Cream	Cancelled	\$440.00	2024-12-02	✓ ! ✕

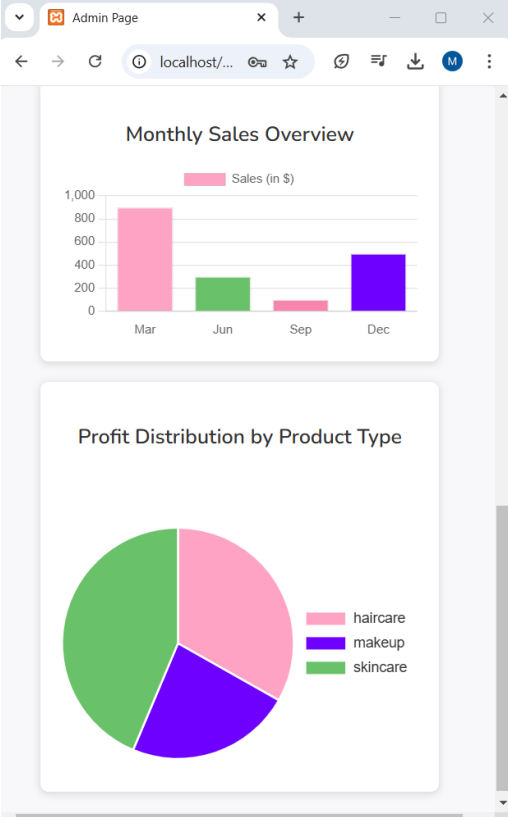
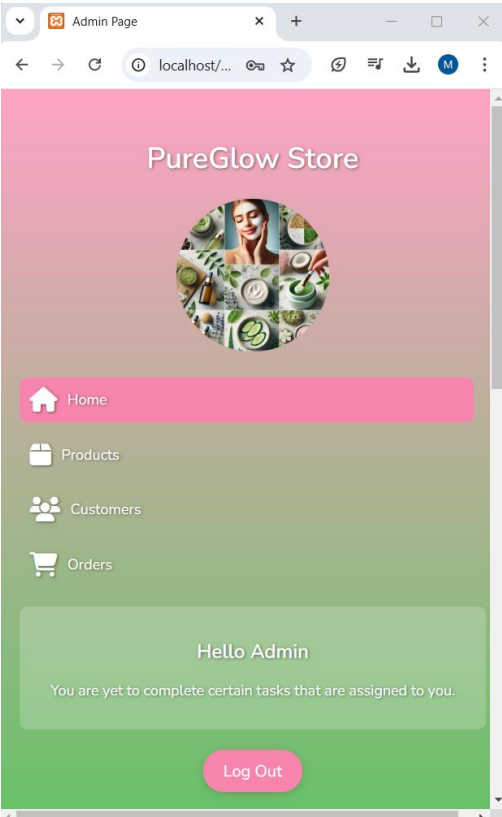
Activate Windows
Go to Settings to activate Windows.

Note that our site is **responsive** to all types of devices to some extent, we will attach some pictures here:









Admin Dashboard

Customers List

46	Sara Samara	Sara_Samara@example.com	1234567890	2024-01-01	Salfeet	123 Salfeet Street			
47	Shatha Dwikat	Shatha_Dwikat@example.com							

Admin Dashboard

Filter by Status: All

Orders List

223	Marah Zaid	Eyeshadow Palette, Skincare 1	Completed	\$500.00	2024-12-11			
224	Sara Samara	Lipstick, Repair Hair Mask						

Conclusion:

The "**PureGlow** Store" successfully integrates modern web design with essential e-commerce functionalities to create a reliable and attractive online shopping platform. By simplifying the shopping experience for customers and providing efficient management tools for administrators, the project achieves its goal of making beauty products more accessible. This project highlights the importance of usability, organization, and aesthetic appeal in web development, offering valuable insights into how online stores can be designed to meet the expectations of both customers and administrators.

References:

- Web Programming Slides & Lectures.
- W3Schools: <https://www.w3schools.com/>
- Elzero Web School: <https://www.youtube.com/@ElzeroWebSchool>