MyShop

Project Overview:

This desktop application is designed as an online shop using Java Swing for the interface and follows the MVC (Model-View-Controller) architectural pattern. The database connection is established through JDBC with PostgreSQL.

1. Authentication:

Upon launching the application, users are presented with a login/signup page. During signup, the only restriction is that the username must be unique. Users can sign up as clients or admins, and after successful signup, they are redirected to the login page. Upon entering valid credentials for a client, the application proceeds to the main menu.

2. Main Menu:

The main menu features four category buttons on the left, each modifying the right panel to display products corresponding to the selected category. Each product includes a "view" button, leading to the product details page (3).

On the top, a ribbon bar provides functionalities like viewing the cart (4), viewing orders (5), searching, filtering products, and refreshing the display. The filter requires a refresh after modification. The search bar navigates to product details if a matching product name is found.

3. Product Details:

The product details page displays information about a specific product, fetched from the database. It includes buttons for navigation (back), adding reviews (6), viewing existing reviews (7), and adding the product to the cart (4).

4. Shopping Cart:

The shopping cart displays products added by the user. Users can remove items from the cart using the corresponding "remove" button. Two buttons at the bottom allow users to navigate back to the main menu (2) or proceed to checkout (8).

5. View Orders:

This page presents a list of all orders placed by the client.

6. Add Review:

Users can rate a product from 1 to 5 and provide a review. Each client can submit only one review per product.

7. View Reviews:

Displays all reviews submitted by clients.

8. View Order:

Allows clients to review the order and its cost before finalizing the purchase.