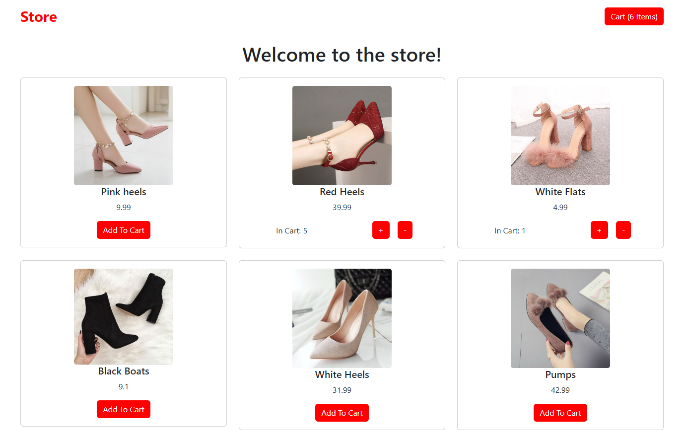
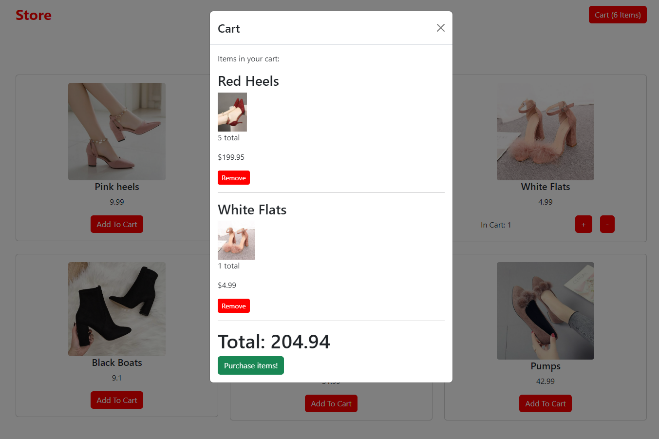
# Lab-01

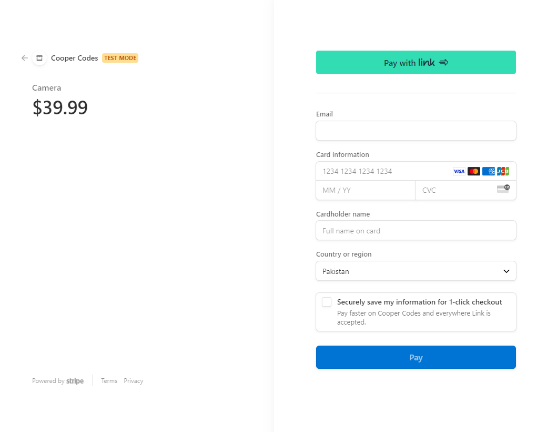
1.5 Exercises: Make test cases for a triangle that can differentiate between isosceles, equilateral, and scalene types based on side length as input and state if their verdict is true/false. Make assumptions for the actual outcome.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case | Description | Input Data | Expected Result | Actual | Status |
| 1 | Equilateral Triangle Test | (5, 5, 5) | Equilateral triangle | Equilateral triangle | pass |
| 2 | Isosceles Triangle Test | (5, 5, 6) | Isosceles triangle | Isosceles triangle | pass |
| 3 | Scalene Triangle Test | (3, 4, 5) | Scalene triangle | It's a scalene triangle. | pass |
| 4 | Invalid Triangle Test | (1, 2, 4) | Not a triangle | Not a valid triangle | pass |
| 5 | Invalid Side Lengths Test | (0, 5, 6) | Invalid side lengths | Not a valid triangle | pass |
| 7 | Boundary Test | (1, 1, 2) | Not a triangle | Not a valid triangle | pass |

Examples

E-commerce website in which users can add items to a cart. The tests UI’s are in my repo : <https://github.com/laibabintatahir/shopping-Cart-React-and-Stripe>

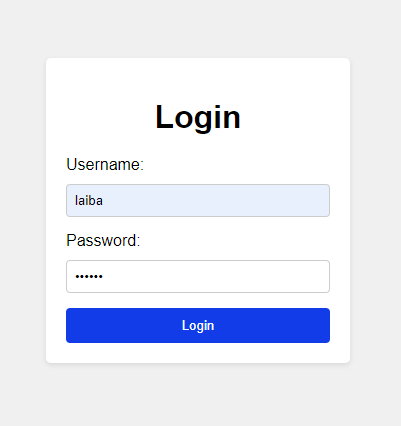
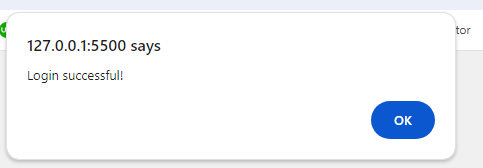
 



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case** | Description | Input Data | Expected Result | Actual Result | Status |
| Tc\_1 | Add a single item to the cart. | Red heels | The item should appear in the cart with quantity 1. | Red heels are added in the cart | pass |
| Tc\_2 | Add multiple items of the same type to the cart. | Added 5 red heels | The cart should show the correct quantity for the item. | Cart showed the 5 red heels | pass |
| Tc\_3 | Remove a single item from the cart. | Removed the white heels from cart | Heels should be successfully removed from the cart. | Removed successfully | pass |
| Tc\_4 | Remove all items from the cart. | Remove all items | The cart should be empty. | Cart is empty | pass |
| Tc\_7 | Proceed to checkout with items in the cart. | Clicked purchase items | Users should be directed to the checkout process. | Checkout page displayed | pass |
|  |

02.

Login Page: We can assume a login application like Gmail. Test Case 1: Verify that the application allows users to input their username and password. Test Case 2: Verify that the application correctly validates the correct credentials. Test Case 3: Verify that the application displays an error message when the incorrect credentials are entered.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case | Description | Input Data | Expected Result | Actual | Status |
| Tc\_1 | Allowing input of username and password | Username: user1, Password: 123456 | Username and password fields are present and editable | Username and password fields are present and editable | pass |
| Tc\_2 | Correct validation of credentials | Username: laiba, Password: 123456, | Redirects to user's account page | Login successful | pass |
| Tc\_3 | Displaying error message for incorrect credentials | Username: invalid\_user, Password: invalid\_password | Displays an error message indicating invalid credentials | Incorrect username or password. | pass |