

Smoke Test Report

Student: Bisheyeva Nuray

Group: SE-2103

Github link: <https://github.com/itsnurayyy/Bookstore-crud-app.git>, there are 2 branches

The purpose of this smoke testing report is to verify the basic functionalities of my Bookstore web application, written in JavaScript and PHP. The focus is on ensuring that essential features are operational, providing confidence in the stability of the application for further testing.

Project Information

- Project Name: Bookstore Web Application
- Technology Stack: JavaScript, PHP

Scope of Smoke Testing

The smoke testing focused on the critical functionalities of the bookstore application to ensure that the core features are operational. The key areas covered include:

1. User Authentication:

- Verify that users can successfully register, log in, and log out.

2. Book Catalog:

- Confirm that the book catalog is displayed and that users can navigate through the available products.

3. Cart Functionality:

- Test the addition and removal of items from the shopping cart.
- Ensure accurate calculation of the total order amount.

4. Checkout Process:

- Validate the end-to-end checkout process, ensuring that users can complete a purchase.

Smoke Testing Approach

The smoke testing followed a systematic approach to quickly verify the critical functionalities of the application. Test cases were designed to cover essential user journeys and core features.

Test Cases

1. User Authentication:

- Verify successful user registration.
- Confirm that users can log in with valid credentials.
- Validate the log-out functionality.

2. BookCatalog:

- Check that the book catalog is displayed on the homepage.
- Ensure book details are correctly shown.

3. Cart functionality:

- Add books to the shopping cart.
- Remove books from the shopping cart.
- Verify that the total order amount is calculated accurately.

4. Checkout Process:

- Initiate the checkout process.
- Provide necessary information (shipping details, payment).
- Confirm that the order is successfully placed.

Smoke Test Results

The smoke testing results indicate that the critical functionalities of the bookstore application are working as expected.

1. User Authentication:

- User registration, login, and logout functionalities are operational.

2. Book Catalog:

- The book catalog is displayed correctly, and navigation through different categories is smooth.

3. Cart Functionality:

- Adding and removing books from the shopping cart works seamlessly.
- The total order amount is calculated accurately.

4. Checkout Process:

- The checkout process is successful, and orders can be placed without errors.

Issues Identified

No critical issues were identified during the smoke testing. The application appears to be stable and ready for further testing phases.

Conclusion

The smoke testing results provide confidence that the essential functionalities of the bookstore application are in good working order. The application is suitable for further testing phases, such as integration testing and more comprehensive functional testing.