

Kindle Book Shopping Website Design & Development Report

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Render Deployment URL: <https://cs551p-assessment3.onrender.com/>

Overview:

This project is a web-based shopping platform for Kindle books, designed to allow users to browse, search, and purchase books through Amazon. It supports user registration and login for a personalized experience, though guests can browse without registering. Developed with Flask and SQLite, it features a responsive design inherited from a base interface.

Features:

- User Authentication
- Book Recommendations
- Book Listing
- Search Functionality
- Book Details
- Responsive Design

Technical Details:

The backend is powered by Flask, using SQLite for database management. The frontend is organized into HTML pages within the 'templates' folder, with CSS in 'static'. User and book information are stored in a structured database, ensuring efficient data management and retrieval.

Maintenance & Testing:

Application testing is conducted through behavior tests in the 'feature' folder, covering user interactions and functionality. Regular updates and security checks are recommended for dependencies and the Flask/SQLite environments.