Holston Public Bookstore
Test Plan Document

Introduction
This testing plan outlines the approach, criteria, and responsibilities for testing the Holston Public Bookstore developed by my CSci 387 Software Design and Development class. The purpose of this plan is to ensure the quality and reliability of the software application before its deployment.

Test Items
The test items include all modules, functionalities, and components of the Holston Public Bookstore that require validation through testing.

   A. **Features Not To Be Tested**:
      i.   Login with Google Authentication System
   B. **Features To Be Tested**:
      i.   Account Creation
           Approach: Unit Testing
           Item Pass Criteria: After required information is supplied to the form, the new user can log into the system.
      ii. Adding a Book
           Approach: Unit Testing
           Item Pass Criteria: After required information is supplied and form for a book that wasn't previously in the system, that book is now visible in the system to the library's staff.
      iii. Deleting a Book
           Approach: Unit Testing
           Item Fail Criteria: After deletion, book is still visible in the system to the customers.
      iv. Updating a Book
           Approach: Unit Testing
           Item Pass Criteria: Information about the book is updated with new information.

Suspension Criteria And Resumption Requirements
Testing may be suspended if critical defects impact testing progress or if there are environmental issues affecting test execution. Testing will resume once the issues are resolved, and the environment is stable.

Test Deliverables
Test plans and test cases.
Test execution reports.

Defect reports and resolutions.
Test summary report.

Environmental Needs
Testing environments mirroring production environments.
Access to testing tools and resources.
Stable internet connectivity.
Computer with web browser
Selenium Automation Testing Environment with web driver.

Responsibilities
Development Team: Provide builds for testing and address defects raised during testing.
Testing Team: Design, execute, and report test cases. Identify and report defects.
Project Manager: Oversee testing activities and ensure alignment with project timelines.

Staffing And Training Needs
Testing team members should possess expertise in manual and automated testing methodologies.
Training may be provided for new tools or technologies introduced during the testing process.

Schedule
Testing activities will be conducted in parallel with the development phase, following an iterative approach. Specific testing milestones and timelines will be aligned with the project schedule.

Risks And Contingencies
Risks include resource constraints, dependencies on third-party components, and scope changes.
Contingencies may involve reallocating resources, adjusting timelines, or prioritizing critical functionalities.

Approvals:
This testing plan requires approval from the project stakeholders and the Product Manager before testing activities commence. Any modifications to the plan will be documented and communicated accordingly.