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**Tiem Ban Nuoc**

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**Book Lovers  
Master Test Plan**

**Version 6.0**

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## Revision History

Date	Version	Description	Author
<20/Dec/23>	<1.0>	First test-case plan	Group 11

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# Master Test Plan

## 1. Introduction

This document outlines the comprehensive test plan for **Book Lovers**. It serves as a roadmap for conducting thorough and efficient testing activities, ensuring the quality, functionality, and performance of the system meet all expectations.

This document:

- Define the scope and methodology for testing the entire system.
- Specify test objectives, resources, and schedule for a complete testing cycle.
- Identify and address potential risks and challenges throughout the development process.

This document is intended for Testers, Devs, Project managers and BAs.

Key features of this document

- Comprehensive Test Strategy: Outlines the testing methodologies and techniques to be employed, including unit, integration, system, and user acceptance testing.
- Defined Test Cases: Provides a comprehensive repository of test cases covering all functionalities, edge cases, and potential risk areas.
- Risk Management Plan: Identifies potential risks associated with development and testing, along with mitigation strategies.
- Reporting Procedures: Defines clear communication channels for reporting defects, progress updates, and test results.

## 2. Target Test Items

- Login site
- Sign-up site
- Forgot password site
- Confirm OTP site
- Edit profile site
- Reset Password site
- Log out site

## 3. Environmental Needs

### 3.1 Hardware Requirements

- CPU: Multi-core processor with sufficient processing power to handle expected user load.
- Storage: The server's storage must be at least 64GB including user accounts, user information, and books, ...
- Memory: RAM must be more than 8GB to run the website
- Network: High-speed internet connection with sufficient bandwidth to handle traffic and data transfer.

### 3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Name	Purpose	Version	Type and Other Notes
Firefox	Connect to server	120.0.1	Internet Browser
Chrome	Connect to server	120.0.6099.109	Internet Browser

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Software Name	Purpose	Version	Type and Other Notes
Chrome	Connect to server	120.0.6099.110	Internet Browser
Windows 11, 64 bit	Trying to test website on laptop	23H2	Operating System
Windows 10, 64 bit	Trying to test website on laptop	22H2	Operating System
Google mail	Send OTP to user	Latest	Email

### 3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	Google Sheet	Google	Latest
Test plan Specification	Google Docs	Google	Latest
Test case Specification	Google Sheet	Google	Latest
Test report Specification	Google Sheet	Google	Latest

## 4. Responsibilities, Staffing, and Training Needs

### 4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager		Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> <li>• planning and logistics</li> <li>• agree mission</li> <li>• identify motivators</li> <li>• acquire appropriate resources</li> <li>• present management reporting</li> <li>• advocate the interests of test</li> <li>• evaluate effectiveness of test effort</li> </ul>

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Tester		<p>Implements and executes the tests.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• implement tests and test suites</li> <li>• execute test suites</li> <li>• log results</li> <li>• analyze and recover from test failures</li> <li>• document incidents</li> </ul>
Test System Administrator		<p>Ensures test environment and assets are managed and maintained.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• administer test management system</li> <li>• install and support access to, and recovery of, test environment configurations and test labs</li> </ul>