
Group 08: Super Idol

SIBOOKS WEB

Iteration Test Plan

Version 1.3

SIBOOKS WEB	Version: 1.3
Iteration Test Plan	Date: 28/08/2024

Revision History

Date	Version	Description	Author
24/08/2024	1.0	Formatting the report. Writing the Introduction and Target Test Items.	Lê Phước Phát
25/08/2024	1.1	Writing the Environmental Needs.	Lê Phước Phát
26/08/2024	1.2	Writing the Responsibilities, Staffing, and Training Needs.	Lê Phước Phát
28/08/2024	1.3	Checking all wrongs and fixing them. Releasing Test Plan Document.	Lê Phước Phát

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Iteration Test Plan

1. Introduction

1.1 Purpose

- The main purpose of the Test Plan Document will be to gather all the necessary information to monitor the quality of the testing process “Website-based application for managing and selling books SIBOOKS WEB”.

1.2 Scope

- This document will describe all the test cases about the main features of the “Website-based application for managing and selling books SIBOOKS WEB”. Besides that, it also describes the strategies, procedures, and resources required to guarantee the functionality and non-functionality of the e-commerce website selling books. The quality control process outlined in this Test Plan Document will ensure that the project will be implemented successfully and on schedule.

1.3 Related Users

- All stakeholders including developers and testers will use this document.

1.4 Key Features

- The key features of this document are the test features and all requirements for the testing process.

2. Target Test Items

- In this process testing, we will test some main features of this software, which are:
 - Searching books.
 - Filtering books.
 - Adding books to cart.
 - Managing books in the cart.
 - Checkout as the user.
 - Add a new book as admin.
- All the above testing features will use functional and usability testing, useful testing techniques for our application.

3. Environmental Needs

3.1 Hardware Requirements

- The number of computers: at least 3 computers because we will use it to deploy the database, server and web browser.
- Processor: At least Intel Core i3 or equivalent processor.
- RAM: minimum 4GB
- Network connection: those computers must be connected to the Internet.
- Screen resolution: minimum 1920x1080 pixels

3.2 Software in the Test Environment

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

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Software Name	Purpose	Version	Type and Other Notes
Google Chrome	Website browser for testing	127	Internet Browser
Microsoft Edge	Website browser for testing	128.0.2739.42 (Official Build) (64-bit)	Internet Browser
Opera	Website browser for testing	79	Internet Browser
Windows 11, 64-bit	This software is used to check software compatibility with the operating system.	23H2	Operating System
Windows 10, 64-bit	This software is used to check software compatibility with the operating system	22H2	Operating System
Gmail	Gmail users used to reset passwords and verify account	Web-version 2024	Email Client Software
PayOS	This software links the user and the bank, which will check the payment operation.	4.1.0	Web Service

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
Writing Test Plan Document.	Google Docs	Google	Web-version 2024
Writing Test Cases and Test Reports for defecting tracking about the application.	Google Sheets	Google	Web-version 2024
Store all testing documents.	Google Drive	Google	Web-server 2024
Discussion and division of testing works.	Discord	Discord Inc.	1.0.9003
Cloud computing is used to store all pictures of books and users.	AWS	Amazon	Web-version 2024

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Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Store all source code for the testing process.	Github	Microsoft	Web-version 2024

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	Lê Phước Phát	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> • planning and logistics. • agree mission. • identify motivators • acquire appropriate resources • present management reporting • advocate the interests of test • evaluate the effectiveness of the test effort
Tester	Lê Phước Phát Bùi Lê Khôi Ngô Văn Khải	Implements and executes the tests. Responsibilities include: <ul style="list-style-type: none"> • implement tests and test suites • execute test suites • log results • analyze and recover from test failures • document incidents

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test System Administrator	Lê Phước Phát Ngô Văn Khải Bùi Lê Khôi	Ensures the test environment and assets are managed and maintained. Responsibilities include: <ul style="list-style-type: none"> • administer test management system • install and support access to, and recovery of, test environment configurations and test labs
Database Administrator Database Manager	Ngô Văn Khải	Ensure test data (database) environment and assets are managed and maintained. Responsibility: <ul style="list-style-type: none"> • Administer test data (database)