

---

**Group01**

---

**Used Book Sharing System  
Master Test Plan**

**Version 1.0**

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

## Revision History

Date	Version	Description	Author
10/12/2019	1.0	Initialize document & fill out all sections	Bui Quang Thang
11/12/2019	1.1	Review and edit 3.2 Software in the test	Bui Quang Thang
23/12/2019	1.2	Review all	Bui Quang Thang

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

## Table of Contents

1.	Introduction	4
1.1	Purpose	4
2.	Target Test Items	4
3.	Environmental Needs	5
3.1	Hardware Requirements	5
3.2	Software in the Test Environment	5
3.3	Productivity and Support Tools	5
4.	Responsibilities, Staffing, and Training Needs	6
4.1	People and Roles	6

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

# Iteration Test Plan

## 1. Introduction

### 1.1 Purpose

This document is about test plan for Iteration 1 - Key features.

Objectives of this test plan:

- Identify which software items will be tested.
- Identify environment needed for the testing.
- Identify roles of people involved in this testing.

Developers and tester should use this document.

## 2. Target Test Items

### 2.1 Database testing

Verify that account information can be created and updated.

Verify that user profiles can be created, retrieved and updated.

Verify that book details can be created, retrieved and updated.

### 2.2 Functional testing

Verify that guest user can visit homepage.

Verify that user can search and the results are related to search key.

Verify that user can search by book name or book category.

Verify that user can view up-to-date book detail.

Verify that seller can upload book.

Verify that reader can comment and rate book.

Verify that user can create account and login.

### 2.3 User interface testing

Verify that GUI color for entire system is less than 5 colors.

Verify that colors and controls are consistent through entire system.

Verify that all controls can respond correctly when user interacts.

Verify that navigation menu can lead to respective feature.

### 2.4 Performance testing

Verify that response time for all features is less than 3 minutes.

### 2.5 Security and access testing

Verify that guest user are prevented from using account-required features.

Verify that username and password are encrypted when being sent over Internet.

### 2.6 Configuration testing

Verify operation using Google Chrome.

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

Verify operation using Microsoft edge.

## 2.7 Installation testing

None.

## 3. Environmental Needs

### 3.1 Hardware Requirements

Hardware used to test:

- 1 PC Server which includes database server for system.
- 1 PC client which have modern browser installed.
- 1 Mobile device client which have modern browser installed.
- Internet or LAN network.

### 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
Google Chrome	A browser delegates client side to connect to server side.		Internet Browser
Microsoft Edge	A browser delegates client side to connect to server side.		Internet Browser
Windows 10, 64 bit	An operating system where listening server, database server and client browser are resides on.		Operating System
Android 4.0 or higher	An operating system where browser for mobile client resides.		Operating System
Hamachi	An virtual private network system, it allows PCs connecting to each others like in LAN network. Used test server before paying for a real server on Internet.		Virtual network system
MySql database	A database management system for adding, updating, deleting information needed for entire system.		Database management system
Nodejs application	A delegate for server side, receives request and responds to client.		Server side application.

### 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	WPS Office	In-house	2019
Test case	WPS Office	In-house	2019

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Test report	WPS Office	In-house	2019
Automated testing	Katalon	In-house	2019

## 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	1	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> <li>planning and logistics</li> <li>agree mission</li> <li>present management reporting</li> </ul>
Tester	1	Executes the test Responsibilities include: <ul style="list-style-type: none"> <li>Write test case</li> <li>Execute tests</li> <li>Log results</li> <li>Write bug report</li> </ul>
Designer	1	Identifies and defines the operations, attributes, and associations of the test classes Responsibilities include: <ul style="list-style-type: none"> <li>Identifies and defines the test class(es)</li> <li>Identifies and defines the test packages</li> <li></li> </ul>
Implementer	1	Implements and unit tests the test classes and test packages Responsibilities includes: <ul style="list-style-type: none"> <li>Creates the test classes and packages implemented in the test model.</li> </ul>

Used Book Sharing System	Version: 1.0
Iteration Test Plan	Date: 10/12/2019
Test Plan	

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Database administrator	1	<p>Ensures test data (database) environment and assets are managed and maintained.</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> <li>• Administer test data (database).</li> </ul>