

Bookify	Version: 1.0.0
Software Test Report	Date: 14/06/2020

<Bookify> Software Test Report

1. Introduction

1.1 Purpose and Scope

Purpose

This document's purpose is that records data obtained from an evaluation experiment in an organized manner, describes the environmental or operating conditions, and shows the comparison of test results with test objectives. This document will be updated as needed during the development of the system.

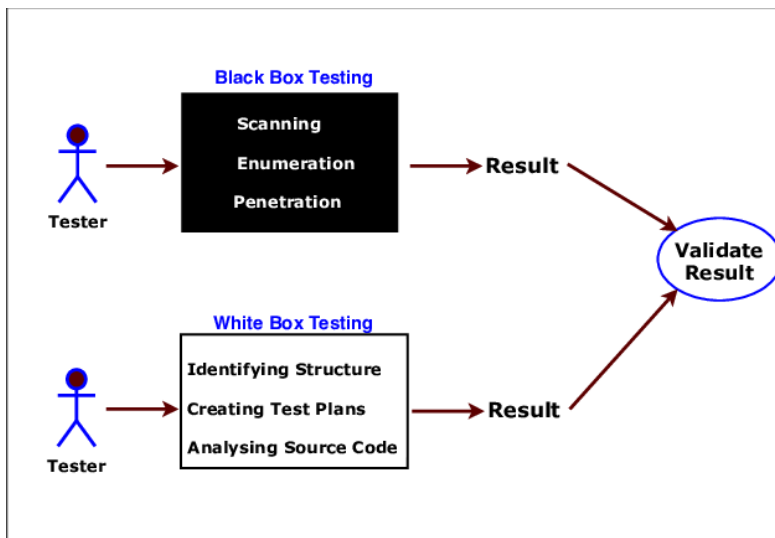
Scope

The planning mentioned in this document covers the test actions of the software to be developed in the project bookify.com system.

1.2 Descriptions and Abbreviations

1.2.1 Descriptions

White Box testing: (also known as Clear Box Testing, Open Box Testing, Glass Box Testing, Transparent Box Testing, Code-Based Testing or Structural Testing) The test data is the method selected based on the internal structure of the software and focused on testing the code or software logic structure. The main purpose of this method is to test all paths within the logical flow of the software. This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees.



Black Box testing: A black box test is a method of testing an application's functionality without checking its internal structure or functioning. This test method can be applied in almost any level of software test (unit, integration, system, and acceptance test). It is often used not only in high-level tests but also in unit tests.

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1.2.2 Abbreviations

- STR Software Test Report
- UC Use Case
- AR Actual Result
- CR Change Request
- CMT Component
- CT Component Testing
- CNFT Configuration Testing
- DF Defect D Debugging
- Er Error
- ER Expected Result
- FT Functional Testing
- LT Load Testing
- NFT Non-functional Testing
- PT Performance Testing
- RI Risk
- TC Test Case
- TD Test Data
- UT Unit Testing
- WBT White Box Testing
- BBT Black Box Testing

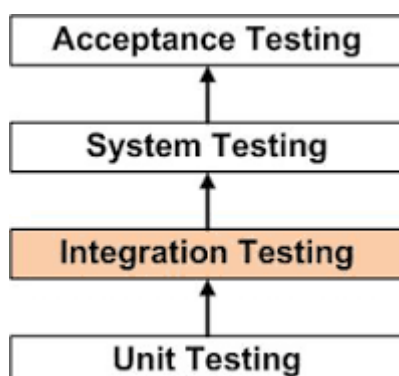
2. Descriptions of Test Activities

2.1 Document Security

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2.2 Data Recording, Reduction and Analysis

We used the manual testing method for testing. Thanks to this method, we identified and tried to solve the bugs and issues in the system. The major objectives of Software testing are as follows: Finding defects which may get created by the programmer while developing the software. Gaining confidence in and providing information about the level of quality



Our Environment of testing is functional and non-functional requirements. The stages are UT (Unit testing) , Integration testing, System Testing, Non-functional testing, and Installation

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Testing. We used WBT (White Box Testing) and BBT (Black Box Testing) methods. The main purpose in the integration test:

It is to ensure that the created software modules are correct by bringing them together. All modules created for the software product are combined and tested in this way. The aim here is: methods may pass some tests per unit, and when combined in modules, they may cause some errors. With the integration tests, it enables us to quickly be sure that such software product problems can not run into a live (prod) environment or that a new module we have developed can work without problems. While we did the manual test, we followed these steps: We reviewed all the specified requirements, created test scenarios to ensure that all these requirements were met, and the test results obtained were reported.

3. Test Preparation

3.1 Hardware Preparation

No hardware test is prepared.

Required checks are performed to determine if the local connection is being provided.

It checks if the system is running in all web browsers.

3.2 Software Preparation

The connection to the database is checked. We worked on our localhosts and Postman. Test metrics are prepared considering test coverage, cost, time, quality etc. We create test cases for each use case. Test preparation standards information are searched.

Openbox and black box testing methods were used.

3.3 Other Pre-test Preparations

Test data for each requirement was determined.

Various Test scenarios are determined.

Test cases are generated by Project Manager and Project Tester.

4. Test Results

Use Case Numb	Use Case Name	Test Case Description	Retest?	Number of Activity Paths	Number of Non-working	Priority	The time
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er		File Name		Tested	Activity Paths	spent	
1	Login	This case is necessary for both admin and customer. To manage accounts of users or to order books	No	2		High	2 min
2	Logout	This is for security of both registered customers and admin.	No	1		High	1 min
3	Register	Users must firstly have an account to order books.	No	4		High	3min
4	Search Book	Every actor can search.	Yes	4		Medium	4min
5	Manage Books	Admin can add or delete books.	No	10		High	10min
6	Manage Orders	Admin accept or reject the order of any user.	No	2		Medium	1min
7	Manage Customer Account	Registered customer can update or see his/her own account.	Yes	2		Medium	2min
8	Send Promotion	Admin can specify promotions for users	Yes	1	1	Low	2 min
9	Manage Account	Admin can update any user account.	Yes	1		High	2min
10	Add to Cart	Test for adding books to cart operation.	Yes	2		Medium	3min
11	Selecting Cargo	Select cargo to deliver the product	Yes	2	1	Medium	2min
12	HTTPS - Purchase	Test for purchase operation for registered users	Yes	2	1	Medium	3 min

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13	Complete Order	Test operation to confirm or refuse the purchase	Yes	2	Medium	1 min
14	Check Delivery Status	Test If the user can track order status.	Yes	1	Medium	1 min
15	Rate/Review Upload	The user cannot give comments and rates to the book he / she has not purchased..	Yes	2	Medium	3 min
TOTAL		x		x	x	x

4.1 Criteria for Evaluating Results

- The range or accuracy over which an output can vary and still be acceptable
- Minimum number of combinations or alternatives of input and output conditions that constitute an acceptable test result
- Maximum or minimum allowable test duration, in terms of time or number of events
- Maximum number of interrupts, halts, or other system breaks that may occur
- Allowable severity of processing errors
- Conditions under which the result is inconclusive and re-testing is to be performed
- Conditions under which the outputs are to be interpreted as indicating irregularities in input test data, in the test database and data files, or in test procedures
- Allowable indications of the control, status, and reports of the test and the readiness for the next test case (may be output of auxiliary test software)
- Additional criteria not mentioned above]

4.1.1 Login Testing Criterias

- Valid username and password and entered info must be matched(registered user).
- 2 combinations were enough.
- Test results must be taken correctly in a maximum 8 second.
- Maximum 3 interrupts or halt may occur in that test.
- System alerts in the front-end for wrong username-password combinations.

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4.1.2 Logout Testing Criterias

- a. After log out, the user must be back on the login page as an unregistered user(guest).
- b. 2 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Maximum 1 interrupts or halt may occur in that test.

4.1.3 Register Testing Criterias

- a. Valid username and password and other information . Minimum 3 characters.
- b. 5 combinations were enough.
- c. Test results must be taken correctly in a maximum 8 second.
- d. Maximum 3 interrupts or halt may occur in that test.
- g. System alerts in the front-end for wrong combinations.

4.1.4 Search Book Testing Criterias

- a. Products must exist and searching for these products is acceptable.
- b. 8 combinations were enough.
- c. Test results must be taken correctly in a maximum 20 seconds.
- d. Any interrupt or halt cant be seen.
- e. Some warning can be seen but they can be ignored.
- g. System alerts in the front-end for wrong combinations.

4.1.5 Manage Books Testing Criterias

- a. Admin can do transactions (CRUD) on the Admin Side Drawer panel.
- b. 10 combinations were enough.
- c. Test results must be taken correctly in a maximum 40 seconds.
- d. Any interrupt or halt cant be seen.
- e. Some warning can be seen but they can be ignored.
- f. Some back-to-front-end connectivity problems have been observed. So that re-testing was necessary.
- g. System alerts in the front-end for wrong combinations.

4.1.6 Manage Orders Testing Criterias

- a. Admin can do transactions (CRUD) on the Admin Side Drawer panel.
- b. 1 combination was enough.
- c. Test results must be taken correctly in maximum 2second.
- d. Any interrupt or halt cant be seen.
- e. Some warning can be seen but they can be ignored.

4.1.7 Manage Customer Account Testing Criterias

- a. Valid concept information taken.

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- b.2 combinations were enough.
- c. Test results must be taken correctly in maximum 10 second.
- d. Any interrupt or halt cant be seen.
- g. System response for wrong format information is “Invalid format ” message.

4.1.8 Send PromotionTesting Criterias

- a. Admin should be able to generate promotional code and users with a promotional code should be able to use it.
- b.2 combinations were enough.
- c. Test results must be taken correctly in maximum 5 second.
- d. Any interrupt or halt cant be seen.

4.1.9 Manage AccountTesting Criterias

- a. Admin can do operations on user accounts.
- c. Test results must be taken correctly in maximum 20 second.
- d. Maximum 3 interrupts or halt may occur in that test.
- e. Some warning can be seen but they can be ignored.

4.1.10 Add to Basket Testing Criterias

- a. Product added to basket.
- b.3 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Maximum 5 interrupts or halt may occur in that test.
- e. Some warning can be seen but they can be ignored.

4.1.11 Selecting CargoTesting Criterias

- a. User select shipping after completed adding product to cart
- b.3 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Maximum 2 interrupts or halt may occur in that test.
- e. Some warning can be seen but they can be ignored.

4.1.12 HTTPS - PurchaseTesting Criterias

- a. User must select Payment module after completed shipping module
- b. 3 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Maximum 2 interrupts or halt may occur in that test.
- e. Some warning can be seen but they can be ignored.
- g. System alerts in the front-end for wrong combinations.

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4.1.13 Complete Order Testing Criterias

- a. User must complete the Payment module and Shipping module.Finally must get order id.
- b. 3 combinations were enough.
- c. Test results must be taken correctly in maximum 5 second.
- d. Maximum 3 interrupts or halt may occur in that test.
- e.Some warning can be seen but they can be ignored.
- g.System alerts in the front-end for wrong combinations.

4.1.14 Check Delivery Status Testing Criterias

- a. User must complete the Payment module and Shipping module.Finally must get order id.
- b.1 combination was enough.
- c. Test results must be taken correctly in maximum 5 second.
- d. Any interrupt or halt cant be seen.
- g.System alerts in the front-end for wrong combinations.

4.1.13 Complete Order Testing Criterias

- a. Users must have at least one order and users can be able to check order status..
- b. 3 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Any interrupt or halt cant be seen.

4.1.15 Rate/Review Upload Testing Criterias

- a.the user must have previously purchased the book she wants to vote or comment on
- b. 4 combinations were enough.
- c. Test results must be taken correctly in maximum 3 second.
- d. Any interrupt or halt cant be seen.
- g.System alerts in the front-end if a registered customer wants to re-rate again.

5. References