

# Test Plan

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# 1 Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project *book.am*.

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

## 1.1 Scope

### 1.1.1 In Scope

Module Name	Applicable Roles	Description
Homepage	Customer	A customer can: <ul style="list-style-type: none"><li>• check all available books on the site</li><li>• see special offers and promoted/recommended item</li></ul>
Side cart	Customer	A customer can: <ul style="list-style-type: none"><li>• see all added to cart items</li><li>• change quantity of product and delete it</li></ul>

### 1.1.2 Out of Scope

These features are not to be tested because they are not included in the software requirement specs.

Out of scope components:

- Other component
- Hardware Interfaces
- Database logical
- Communications Interfaces
- Website Security and Performance

## 1.2 Quality Objective

The test objectives are to verify the functionality of *book.am*, the project should focus on testing the two components **homepage** and **side cart** to guarantee using this component can work normally in a real business environment.

## 1.3 Roles and Responsibilities

No	Member	Tasks
1	QA engineer	<ul style="list-style-type: none"><li>• Manage the whole project</li><li>• Create documentation</li><li>• Implement the test cases</li><li>• Collect results</li></ul>

## 2 Test Methodology

### 2.1 Test Levels

- Only system testing is performed.
- Unit and integration testing is excluded from consideration.

### 2.2 Bug Triage

- Check if the description given in the defect by a tester is enough to make the developer understand the defect easily. If not, then the triage team should reassign the defect to a reporter, asking for providing the additional information in order to have a clear understanding of the defect.
- Check if the defect is logged under the correct project and module.
- Check if the defect has proper “*severity*” and “*priority*” fields.

## 2.3 Suspension Criteria and Resumption Requirements

If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases.

## 2.4 Test Completeness

- Specifies the criteria that denote a successful completion of a test phase.
- Run rate is mandatory to be 100% unless a clear reason is given.
- Pass rate is 80%, achieving the pass rate is mandatory.

## 2.5 Project task and estimation and schedule

Task	Members	Estimate effort
Create requirement	QA engineer	8 man-hour
Create test plan	QA engineer	5 man-hour
Create test strategy	QA engineer	5 man-hour
Create checklist for homepage	QA engineer	3 man-hour
Create checklist for side cart	QA engineer	3 man-hour
Create test cases for side cart	QA engineer	10 man-hour
Create traceability matrix	QA engineer	5 man-hour

Perform Test Execution	QA engineer	18 man-hour
Create bug reports	QA engineer	18 man-hour
Test Report	QA engineer	3 man-hour
Total		78 man-hour

### 3 Test Deliverables

Test deliverables are provided as below

#### Before testing phase

- Requirement
- Test plans document
- Test strategy
- Test cases documents (side cart and homepage)
- Side cart checklist
- Traceability matrix

#### During the testing

- Bug reports

#### After the testing cycles is over

- Test reports

## 4 Resource & Environment Needs

### 4.1 Testing Tools

No	Resources	Descriptions
1.	Server	-

2.	Test tool	Microsoft Word
3.	Network	1 internet line with the speed at least 5 Mb/s
4.	Computer	One laptop: Windows 10 Chrome 105.0.5195.127

## 4.2 Test Environment

It mentions the minimum hardware and software requirements that will be used to test the Application.

Following software is required in addition to client-specific software.

- Windows 10
- Office 2021 and above
- Microsoft Word