

Amazon

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Functional Testing  
Test Plan  
**Version 1.0**

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# Introduction

The web application will be tested and determined to be ready for delivery and accepted quality based on the functional testing results. During testing, works to be used as manual and automation methods. The estimated timeline for this project is three (3) months. Any delays in the development process or the installation and verification of the third-party software could have significant effects on the test plan. The objective of the testing activities is to check the functions and features of a web app. All found bugs will be tracked in the Jira bug tracking tool.

## Test items

Amazon web application **version 3.5**

## Features to be tested

Features to be tested are a functional type of testing and included the following:

- Home Page
- Search
- Create Account
- Sign-In
- Sign-Out
- Adding items to a shopping cart
- Removing items from a shopping cart
- Check Out

## Features not to be tested

- Mobile testing
- Performance testing
- Security testing

## Test Type

Functional testing is a type of this project. This type verifies that each function of the software application operates in conformance with the requirement specification.

The objective of functional testing is to make sure that the web application works according to the requirements, and no significant errors appear in the application.

## Risks and Contingencies

Risk	
Team members lack the required skills for	Plan training course to skill up your members
Different types of leave (sickness or HM RM can provide to the project for an additional temporary vacation) of any Member of the testing team can lead to the additional workload on other participants of the project.	
The project schedule is too tight; it's hard to complete this project on time	Set Test Priority for each of the test activities.
Test Manager has the poor management skill	Plan leadership training for the manager
changes and modifications of the software product that were not planned and discussed with the test team beforehand;	

## Approach

The project is using an agile approach with weekly iterations. At the end of each week, the requirements identified for that iteration will be delivered to the team and tested.

The tester will execute the tests in TestLodge and mark each case as Pass / Fail / Skip. The tester should leave notes on actual results and any other relevant details when possible.

Once complete, the test manager should review the test run reports in Jira and report back to the team accordingly.

## Item pass/fail criteria.

A test case will be determined to have been successfully executed and passed if and only if all conditions stated are satisfied. All inputs have to be exercised, the environment has to be set up, and outputs must be read and verified as expected values. Else, the test case is declared failed.

## Test Deliverables/Milestones

Test deliverables are provided as below:

Before testing phase

- Test plans document.
- Test cases documents
- Test Design specifications.

During the testing

- Test Tool
- Simulators.
- Test Data

After the testing cycle is over

- Test Results/reports
- Defect Report
- Installation/ Test procedures guidelines
- Release notes

## Test Task

This section, the core of the test plan, lists the test scenarios used during testing. Each execution of these tests will be documented in a Test Incident Report document.

*Test specifications derived from the use scenario in the functional requirements:*

New Account\_

Delete Account\_

Login Screen Page\_

## Schedule

Activity	Begin Date	End Date	Comments
Test Plan			
Review Requirements documents	19.10.2020	21.10.2020	
Create initial test estimates	22.10.2020	27.10.2020	
Staff and train new test resources	02.11.2020	06.11.2020	
Functional Testing			

## Testing tasks/work plan

*Below are the test-related tasks:*

1. Plan Test
  - identify requirements for test

- assess risk
- develop test strategy
- identify test resources
- create schedule
- generate Test Plan
- 2. Design Test
  - prepare workload analysis
  - identify and describe test cases
  - identify and structure test procedures
  - review and assess test coverageImplement Test
  - record or program test scripts
  - identify test-specific functionality in the Design and Implementation Model
  - establish external data sets
- 3. Execute Test
  - execute Test procedures
  - evaluate the execution of Test
  - recover from halted Test
  - verify the results
  - investigate unexpected results
  - log defects
- 4. Evaluate Test
  - evaluate Test-case coverage
  - evaluate code coverage
  - analyze defects
  - determine if Test Completion Criteria and Success Criteria have been achieved

## Environmental needs

The list of the tools:

Name	Tool
Defect Tracking	Jira
Test Cases	Exel
Automation	Selenium

The list of the browsers:

Browser	Version
Chrome	
Safari	
Firefox	
Edge	

The list of the devices:

Devices	Version
iPhone Devices	
Android Devices	

The list of hardware:

Hardware	Year
Machines with Windows	2020
Machine with Mac	2020

## Stuffing and Training Needs

Two testers should do testing, and if needed, they must attend training.

The testers assigned should know of:

- Basic knowledge of the ecommerce platform
- Knowledge Java language scripts
- Knowledge web application framework Selenium, Cucumber, and TestNG
- Test Management tool Jira

# Roles and Responsibilities

The following list defines in general terms the expectations related to the roles directly involved in the management, planning, or execution of the test for the project.

Activity		
Test Manager	Marina M	<ol style="list-style-type: none"><li>1. Acts as primary contact for development and QA Manager team.</li><li>2. Responsible for Project schedule and the overall success of the project.</li></ol>
Test Lead	Marina M	<ol style="list-style-type: none"><li>1. Participation in the project plan creation/update process.</li><li>2.Planning and organization of test process for the release.</li><li>3.Coordinate with QA analysts/engineers on any issues/problems encountered during testing.</li><li>4.Report progress on work assignments to the PM</li></ol>
Testing Team	Marina M	<ol style="list-style-type: none"><li>1. Understand requirements</li><li>2. Writing and executing Test cases</li><li>3. Preparing RTM</li><li>4. Reviewing Test cases, RTM</li><li>5. Defect reporting and tracking</li><li>6. Retesting and regression testing</li><li>7. Bug Review meeting</li><li>8. Preparation of Test Data</li><li>9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling.</li></ol>



# Approvals

The following Software Requirements Specification has been accepted and approved by the following:

Role	Name	Date
Project Manager		
Test Manager		