

TEST PLAN FOR PARADOX.ME

ChangeLog

Version	Change Date	By	Description
version number	Date of Change	Name of person who made changes	Description of the changes made
1	4/20/21	Michael Dutzman	inital
2	4/25/21	Michael Dutzman	updates
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1 Introduction

Brief introduction of the test strategies, process, workflow and methodologies used for the project

1.1 Scope

1.1.1 In Scope

Scope defines the features, functional or non-functional requirements of the software that **will be** tested

Functional requirements:

Website rules:

1. Allow users to donate by paying online.
2. Allow users that are not signed in to access the website.
3. The entire website needs to work on mobile devices.
4. Users with an account need the ability to comment on posts.

Writers/Moderators/admin:

1. Allow writers to publish and edit posts.
2. Allow moderators the ability to ban or make other account be unable to comment.
3. Allow moderators to delete other posts and comments.
4. Allow admins to have complete control over who becomes writers/moderators.

Adjustments:

1. The people overseeing the website should easily be able to change roles of people on the site.
2. The people overseeing the website should easily be able to delete posts and comments.

Search function:

1. Provide a way to search for specific posts.
2. The user should easily be able to view and see comments on a post.

Non-functional requirements:

1. Be secure. Provide all functionality without ever leaving the domain.
2. The website should have large enough servers to hold many users.

3. Utilization of social media to promote the website and increase usage.
4. Accounts are needed to comment.

1.1.2 Out of Scope

Out Of Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested

1. There is no budget, so the entire project needs to be under 50 dollars.
2. All non-functional requirements above.

1.2 Quality Objective

Here make a mention of the overall objective that you plan to achieve without your testing

- Ensure the Application Under Test conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications defined by the project manager
- Bugs/issues are identified and fixed before go live
- Site is functional by 5/3/21

1.3 Roles and Responsibilities

All are me except project manager who is my professor.

2 Test Methodology

2.1 Overview

Mention the reason of adopting a particular test methodology for the project.

It is waterfall testing methodology.

The first phase in the waterfall model is the requirements phase in which all the project requirements are completely defined before starting the testing. During this phase, the test team brainstorms the scope of testing, test strategy and drafts a detailed test plan.

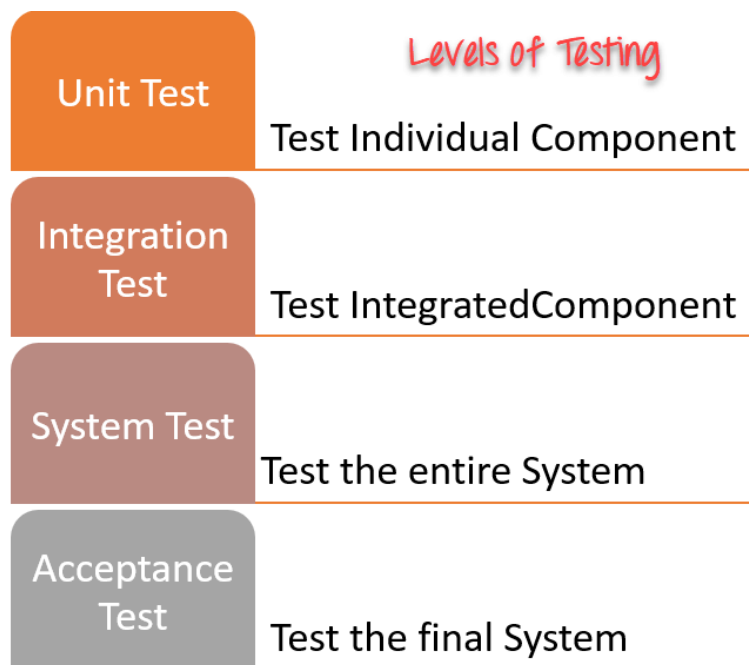
Only once the design of software is complete, the team will move on to execution of the test cases to ensure that the developed software behaves as it expected.

In this methodology, the testing team proceeds to the next phase only when the previous phase is completed.

From: [Software Testing Methodologies: Learn QA Models \(guru99.com\)](https://www.guru99.com/software-testing-methodologies-learn-qa-models.html)

2.2 Test Levels

Test Levels define the Types of Testing to be executed on the Application Under Test (AUT). The Testing Levels primarily depends on the scope of the project, time and budget constraints.



We will use the top-down model of testing.

2.3 Bug Triage

The goal of the triage is to

1. Fix any bugs related to the security of the site
2. Make sure payment is secured
3. ensure usability of the site.

Each bug will be fixed by 5/3/21.

2.4 Suspension Criteria and Resumption Requirements

Suspension criteria

- Incomplete tasks on the critical path
- Large volume of bugs
- Critical bugs
- Incomplete test environment

Resumption criteria

- Problem has been resolved

2.5 Test Completeness

- 100% test coverage
- All Manual & Automated Test cases executed
- All open bugs are fixed or will be fixed in next release
- All integrated applications
- Every input to system
- User experience (Usability)
- Load (handle real-life loads)
- Recovery (SW is reliable; can “gracefully” recover from crashes)
- Make sure payment system is secure (payment system in sandbox mode to test and ensure the site is purely educational only/ won’t conflict with TOS of other plugins)
- Covers all requirements

3 Test Deliverables

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- Test Plan
 - Test Cases (refer to use cases document)
 - Requirement Traceability Matrix (refer to requirements document)
 - Bug Reports
 - Test Strategy
 - Test Metrics
 - Customer Sign Off
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- All integrated applications
 - Every input to system
 - User experience (Usability)
 - Load (handle real-life loads)
 - Recovery (SW is reliable; can “gracefully” recover from crashes)
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4 Resource & Environment Needs

4.1 Testing Tools

- Requirements Tracking Tool
- Bug Tracking Tool
- Automation Tools
- Wordpress testing environment

4.2 Test Environment

- Windows 8 and above
- Office 2013 and above
- MS Exchange, etc.

5 Terms/Acronyms

TERM/ACRONYM	DEFINITION
API	Application Program Interface
AUT	Application Under Test

This plan is based on the template: <https://www.guru99.com/test-plan-for-project.html>