

# **Test plan of Quantibly**

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# 1. Introduction

The test plan is designed to prescribe the scope, approach, resource, and schedule of all standard testing activities of the Quantibly.

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 resource and schedule required to complete testing, and the risk & mitigation associated with the plan.

## 1.1 Scope

### 1.1.1 In Scope

All the features of Quantibly which were defined in software specs are need to be tested.

Module Name	Description
Registration	<b>Members:</b> Can register entering organization name & valid email ID. getting a code through the email.
Login	<b>Members:</b> Can login entering valid ID and Password.
Change password	<b>Members:</b> Can change the password of only his/her “own” accounts. Getting token number through the email
Add organization informations	<b>Members:</b> Can add detailed information of organizations.

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Add and search location	<b>Members:</b> Can add Add and search Location.
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Add and search Service area	<b>Members:</b> Can add Add and search Service area.
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**And more will be define later**

### 1.1.2 Out of Scope

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

- Hardware Interfaces
- Software Interfaces

## 1.2 Quality Objectives

The test objectives are to verify the Functionality of Quantiblyorganization management web app, the project should focus on testing the organization management operation such as organization management, Adding people and partnership, Programs and services, Finance management and configuration management.

## 1.3 Roles and Responsibilities

The project should use outsource members as the tester to save the project cost.

No.	Member	Tasks
1.	Test Manager	Manage the whole project Define project directions Acquire appropriate resources

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2.	Test	Identifying and describing appropriate test techniques/tools/automation architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Outsourced members
3.	Developer in Test	Implement the test cases, test program, test suite etc.
4.	Test Administrator	Builds up and ensures test environment and assets are managed and maintained Support Tester to use the test environment for test execution
5.	SQA members	Take in charge of quality assurance Check to confirm whether the testing process is meeting specified requirements

## 2 Test Methodology

### 2.1 Overview

### 2.2 Test Levels

In the project Quantibly web app, there are 3 types of testing should be conducted.

- **Integration** Testing (Individual software modules are combined and tested as a group)
- **System** Testing: Conducted on a **complete, integrated** system to evaluate the system's compliance with its specified requirements
- **API testing**: Test all the APIs create for the software under tested

### 2.3 Bug Triage

Will be define later.

### 2.4 Suspension Criteria and Resumption Requirements

If the team members report that there are **60%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

## 2.5 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**

## 2.6 Project task and estimation and schedule

Task	Members	Estimate effort
Create the test specification	Test Designer	(will define later) man-hour
Perform Test Execution	Tester, Test Administrator	(will define later) man-hour
Test Report	Tester	(will define later)man-hour
Test Delivery		(will define later) man-hour
Total		(will define later) man-hour

Schedule to complete these tasks

## 3 Test Deliverables

Test deliverables are provided as below

### Before testing phase

- Test plans document.

- Test cases documents
- Test Design specifications.

### During the testing

- Test Data
- Test Trace-ability Matrix – Error logs and execution logs.

### After the testing cycles is over

- Test Results/reports
- Defect Report
- Release notes

## 4 Resource & Environment Needs

### 4.1 Testing Tools

No.	Resources	Descriptions
1.	Server	Need a Database server
2.	Test tool	Netbeans or IntelliJ Idea, Jmeter, Postman, Selenium webdriver.
3.	Network	Need internet connection
4.	Device	Laptop, Desktop, Android phone (Version 9 & above), I phone(If applicable)
5.	Browser	Mozilla Firefox, Google Chrome, Operamini, Microsoft Edge, Brave, Chromium, Vivaldi.

