

# Test Plan : GitHub Repo APIs

(Weberr, KafeCloud, Schedulic, Eventsmatic) - GitHub Repo APIs

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## **1.0 INTRODUCTION**

A brief summary of the product being tested. Outline all the functions at a high level.

## **2.0 OBJECTIVES AND TASKS**

### **2.1 Objectives**

Describe the objectives supported by the Master Test Plan, eg., defining tasks and responsibilities, vehicle for communication, document to be used as a service level agreement, etc.

## 2.2 Tasks

List all tasks identified by this Test Plan, i.e., testing, post-testing, problem reporting, etc.

## 3.0 SCOPE

### General

This section describes what is being tested, such as all the functions of a specific product, its existing interfaces, integration of all functions.

### Tactics

List here how you will accomplish the items that you have listed in the "Scope" section.

For example, if you have mentioned that you will be testing the existing interfaces, what would be the procedures you would follow to notify the key people to represent their respective areas, as well as allotting time in their schedule for assisting you in accomplishing your activity?

## 4.0 TESTING STRATEGY

Describe the overall approach to testing. For each major group of features or feature combinations, specify the approach which will ensure that these feature groups are adequately tested. Specify the major activities, techniques, and tools which are used to test the designated groups of features.

The approach should be described in sufficient detail to permit identification of the major testing tasks and estimation of the time required to do each one.

### 4.1 Unit Testing

#### Definition:

Specify the minimum degree of comprehensiveness desired. Identify the techniques

which will be used to judge the comprehensiveness of the testing effort (for example, determining which statements have been executed at least once). Specify any additional completion criteria (for example, error frequency). The techniques to be used to trace requirements should be specified.

Participants:

List the names of individuals/departments who would be responsible for Unit Testing.

Methodology:

Describe how unit testing will be conducted. Who will write the test scripts for the unit

testing, what would be the sequence of events of Unit Testing and how will the testing

activity take place?

#### 4.2 System and Integration Testing

Definition:

List what is your understanding of System and Integration Testing for your project.

Participants:

Who will be conducting System and Integration Testing on your project?

List the

individuals that will be responsible for this activity.

Methodology:

Describe how System & Integration testing will be conducted. Who will write the test

scripts for the unit testing, what would be sequence of events of System & Integration

Testing, and how will the testing activity take place?

#### 4.3 Performance and Stress Testing

Definition:

List what is your understanding of Stress Testing for your project.

Participants:

Who will be conducting Stress Testing on your project? List the individuals that will be

responsible for this activity.

Methodology:

Describe how Performance & Stress testing will be conducted. Who will write the test

scripts for the testing, what would be sequence of events of Performance & Stress

Testing, and how will the testing activity take place?

#### 4.4 User Acceptance Testing

Definition:

The purpose of acceptance test is to confirm that the system is ready for operational use.

During acceptance test, end-users (customers) of the system compare the system to its

initial requirements.

Participants:

Who will be responsible for User Acceptance Testing? List the individuals' names and

responsibility.

Methodology:

Describe how the User Acceptance testing will be conducted. Who will write the test

scripts for the testing, what would be sequence of events of User Acceptance Testing, and

how will the testing activity take place?

#### 4.5 Batch Testing

#### 4.6 Automated Regression Testing

Definition:

Regression testing is the selective retesting of a system or component to verify that

modifications have not caused unintended effects and that the system or component still

works as specified in the requirements.

Participants:

Methodology:

#### 4.7 Beta Testing

Participants:

Methodology:

## **5.0 HARDWARE REQUIREMENTS**

Computers

Modems

## **6.0 ENVIRONMENT REQUIREMENTS**

### **6.1 Main Frame**

Specify both the necessary and desired properties of the test environment. The specification should contain the physical characteristics of the facilities, including the hardware, the communications and system software, the mode of usage (for example, stand-alone), and any other software or supplies needed to support the test. Also specify the level of security which must be provided for the test facility, system software, and proprietary components such as software, data, and hardware. Identify special test tools needed. Identify any other testing needs (for example, publications or office space). Identify the source of all needs which are not currently available to your group.

### **6.2 Workstation**

## **7.0 TEST SCHEDULE**

Include test milestones identified in the Software Project Schedule as well as all item transmittal events.

Define any additional test milestones needed. Estimate the time required to do each testing task. Specify the schedule for each testing task and test milestone. For each

testing resource (that is, facilities, tools, and staff), specify its periods of use.

## 8.0 CONTROL PROCEDURES

### Problem Reporting

Document the procedures to follow when an incident is encountered during the testing process. If a standard form is going to be used, attach a blank copy as an "Appendix" to the Test Plan. In the event you are using an automated incident logging system, write those procedures in this section.

### Change Requests

Document the process of modifications to the software. Identify who will sign off on the changes and what would be the criteria for including the changes to the current product. If the changes will affect existing programs, these modules need to be identified.

## 9.0 FEATURES TO BE TESTED

Identify all software features and combinations of software features that will be tested.

## 10.0 FEATURES NOT TO BE TESTED

Identify all features and significant combinations of features which will not be tested and the reasons.

## 11.0 RESOURCES/ROLES & RESPONSIBILITIES

Specify the staff members who are involved in the test project and what their roles are going to be (for example, Mary Brown (User) compile Test Cases for Acceptance Testing). Identify groups responsible for managing, designing, preparing, executing, and

resolving the test activities as well as related issues. Also identify groups responsible for providing the test environment. These groups may include developers, testers, operations staff, testing services, etc.

## 12.0 SCHEDULES

### Major Deliverables

Identify the deliverable documents. You can list the following documents:

- Test Plan
- Test Cases
- Test Incident Reports
- Test Summary Reports

## 13.0 SIGNIFICANTLY IMPACTED DEPARTMENTS (SIDs)

Department/Business Area Bus. Manager Tester(s)

## 14.0 DEPENDENCIES

Identify significant constraints on testing, such as test-item availability, testing-resource availability, and deadlines.

## 15.0 RISKS/ASSUMPTIONS

Identify the high-risk assumptions of the test plan. Specify contingency plans for each (for example, delay in delivery of test items might require increased night shift scheduling to meet the delivery date).

## 16.0 TOOLS

List the Automation tools you are going to use. List also the Bug tracking tool here.

## 17.0 APPROVALS



Specify the names and titles of all persons who must approve this plan.  
Provide space for  
the signatures and dates.

| Name (In Capital Letters) | Signature | Date |
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Passion For Testing, Passion For Quality!