
TEST PLAN

Calendar WebApp

Abstract

This document provides an overview of the app and the product test strategy, a list of testing deliverables and plan for development

By Swapna S

Private & Confidential

VERSION HISTORY

Version #	Write by	Revision Date	Approval Date	Outline
1.0	<i>Swapna S</i>	<i>2021/04/13</i>		Test Plan creation

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INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project Calendar Web Application.

The plan identify the things 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 TEST STRATEGY

1.1 Scope of Testing

1.1.1 Feature to be tested

All the feature of Calendar Web Application which were defined in software requirement [specs](#) are need to tested

Module Name	Applicable Roles	Description
Login	Customer	Customer: A customer requires a login id to Add Tasks or to do list in the Calendar Web application
Register	Customer	Customer: This enables the customer to create account and add Todo items to his/her bucket.
Log out	Customer	Customer: This enables the customer to log out of the application.

1.1.2 Feature not to be tested

These feature are not be tested because they are not included in the software requirement specs

- TODO items

1.2 Test Type

In the project Calendar Web Application, there are 3 types of testing that 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
 - **Web Applica testing:** Test all the APIs create for the software under tested

1.3 Risk and Issues

Risk	Mitigation
Team members lack the required skills for website testing.	Plan training course to skill up your members
Periodic updates of flyers on the app might hinder the flow of scripts	Update scripts accordingly and keep track of the changes

1.4 Test Logistics

1.4.1 Who will test?

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

1.4.2 When will test occur?

The tester will start the test execution when all the following inputs are ready

- Software is available for testing
- Test Specification is created
- Test Environment is built
- Enough human resource for testing

2 TEST OBJECTIVE

The test objectives are to **verify** the Functionality of Calendar webapp, the app should focus on testing the modules like register,login/signup, searching tasks by the dates, adding the tasks to Todo list ...etc. to **guarantee** all these operations can work **normally** in real business environment.

3 TEST CRITERIA

3.1 Suspension Criteria

If the team members report that there are **30%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

3.2 Exit Criteria

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 **88%**, achieving the pass rate is **mandatory**.

4 RESOURCE PLANNING

4.1 System Resource

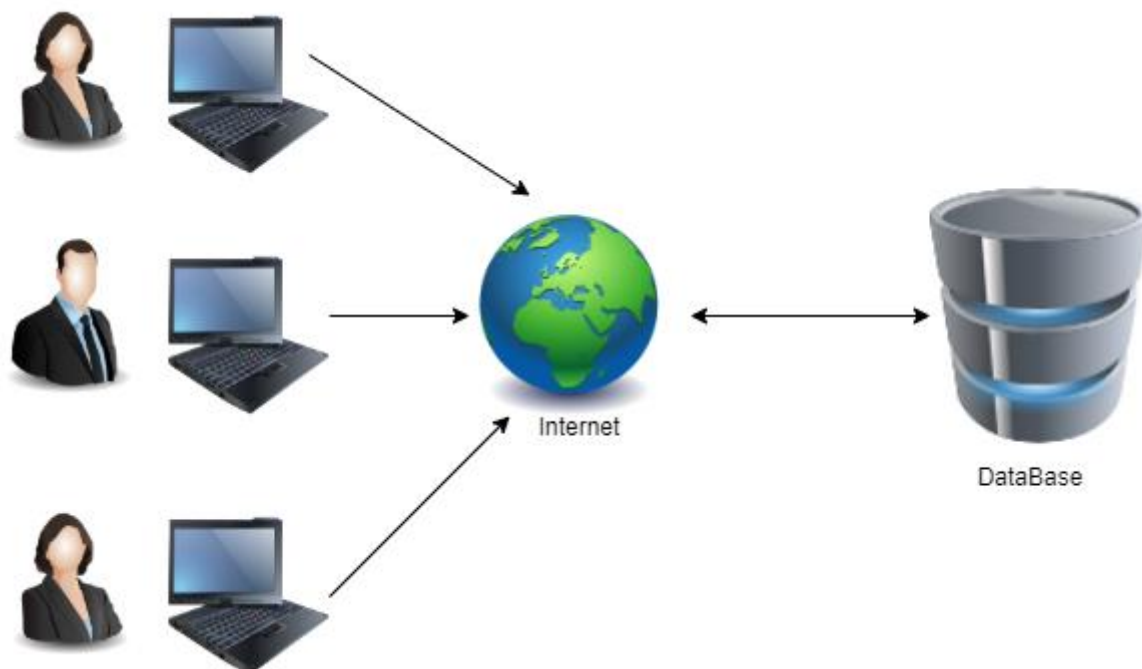
No.	Resources	Descriptions
1.	Test tool Installations	Selenium Webdriver with Python, Pytest for web application testing are installed. CI/CD Pipeline-GitHub Actions.
2.	Computer	At least 4 computer run Windows 10, Ram 4GB, CPU 3.4GHZ
3.	Network	Setup a LAN Gigabit and 1 internet line with the speed at least 25 Mb/s

4.2 Human Resource

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

5 TEST ENVIRONMENT

The Test Environment should be setup as figure below



6 SCHEDULE & ESTIMATION

6.1 All project task and estimation

Task	Members	Estimate effort
Create the test specification	Test team	1 hour 45 minutes
Perform Test Execution (Manual, automation)	Test team	6 hour
Test Report	Test team	45 minutes
Test Delivery		1 hour
Total		8 hour

7 TEST DELIVERABLES

Test deliverables are provided as below

7.1 Before testing phase

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

7.2 During the testing

- Test Tool
- Simulators.
- Test Data
- Test Trace-ability Matrix
- Error logs and execution logs.

7.3 After the testing cycles is over

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