TEST PLAN

<<Food Menu App 1.0>>

ABSTRACT

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

REFERENCE OR VERSION HISTORY

With the help of SRS document will be creating the test plan document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Version | Write By | Revision Date | Approve by | Approval Date | Outline |
| 1.0 | Pratik Bondre | 19/04/2023 | Bhushan C. | 20/04/2023 | Test Plan Create |
|  |  |  |  |  |  |

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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 Food Menu App.

The plan identify the items 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.

## Test Strategy or Approach

### Scope of Testing

* + 1. **Feature to be tested**

All the feature of Food Menu Application which were defined in software requirement [specs](https://docs.google.com/document/d/1rPW5DV82VJT6vtA1VDSrfxaCBuAduxW0zb1yfTh_VMk/edit?pli=1) are need to tested

|  |  |  |
| --- | --- | --- |
| Module Name | Applicable Roles | Description |
| Table Number | Table Position | It Takes table number as input |
| Menu | Food Option | It shows The Food Option |
| Starters | Food Type | It offers the food list in starter category |
| Veg | Food Type | It offers the food list in Veg category |
| Non-Veg | Food Type | It offers the food list in Non-Veg category |
| Dessert | Food Type | It offers the food list in Dessert category |

### Feature not to be tested

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

* Setup
* Find the Right Browsing Software for Your Needs
* Data Migration
* Configure the System
* Test the System
* Train Your Employees

### Test Type

In the project Food Menu App , there’re 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
  + **Performance Testing:** Conducted after product is developed to test the efficiency of software
  + **API Testing:** Test all the APIs create for the software under tested

### Risk and Issues

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| **Team member lack the required skills for application testing.** | **Plan training course to skill up your members** |
| **The project schedule is too tight; it's hard to complete this project on time** | **Set Test Priority for each of the test activity.** |
| **Test Manager has poor management skill** | **Plan leadership training for manager** |
| **A lack of cooperation negatively affects your employees' productivity** | **Encourage each team member in his task, and inspire them to greater efforts.** |
| **Wrong budget estimate and cost overruns** | **Establish the scope before beginning work, pay a lot of attention to project planning and constantly track and measure the progress** |

### 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

## TEST OBJECTIVE

The test objectives are to **verify** the Functionality of Food Menu App, the project should focus on testing the o**peration** such as Account page, home page. to **guarantee** all these operation can work **normally** in real business environment.

## TEST CRITERIA

### 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 **80%,** achieving the pass rate is **mandatory**.

## RESOURCE PLANNING

### System Resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | | **Resources** | | **Descriptions** | |
| **1.** | | Device | | Android / Windows | |
| **2.** | | Domain | | Food Menu Android Application | |
| **3.** | | Network | | Setup a LAN Gigabit and 1 internet line with the speed at least 1 Mb/s | |
| **4.** | | Computer | | At least 4 computer run Windows 7, Ram 2GB, CPU 3.4GHZ | |

### 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 |

## 

## TEST ENVIRONMENT

The Test Environment should be setup as:

**Hardware:** Intel i3 2.5 Ghz Processor minimum /

Octa-core snapdragon Processor

**Ram:** 500 MB / 8 GB

**Operating System:** Android Oreo 8.1/ Windows 10

**Software:** Food Menu App / Emulator For Android

## SCHEDULE & ESTIMATION

### All project task and estimation

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| **Create the test specification** | Test Designer | 1 Employee |
| **Perform Test Execution** | Tester, Test Administrator | 1 Employee |
| **Test Report** | Tester | 1 Employee |
| **Test Delivery** | Tester | 1 Employee |
| **Total** |  | **4 Employee** |

### Schedule to complete these tasks

|  |  |  |
| --- | --- | --- |
| Task Name | Start Date | End Date |
| Making Test specification | 2/05/2023 | 10/05/2023 |
| perform test | 11/5/2023 | 15/5/2023 |
| test report | 15/5/2023 | 20/5/2023 |
| test delivery | 20/5/2023 | 30/5/2023 |

## TEST DELIVERABLES

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
* Test Trace-ability Matrix
* Error logs and execution logs.

### After the testing cycles is over

* **Test Results/reports**
* Defect Report
* Installation/ Test procedures guidelines

### Release notes

1. ROLES AND RESPONSIBILITY

|  |  |  |  |
| --- | --- | --- | --- |
| Document name | Employee name | Roles | Start date |
| Test Plan Doc | Pratik Bondre | Jr. tester | 03-05-2023 |
| Test Scenario Doc | Pratik Bondre | Jr. tester | 05-05-2023 |
| Test case | Pratik Bondre | Jr. tester | 10-05-2023 |