TEST PLAN

<<Front Accounting ERP>>

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 FA, Front Accounting User guide 2.0 document will be creating the test plan document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Version | Write By | Revision Date | Approve by | Approval Date | Outline |
| 01.42.30 | Jones smith | 3/1/2023 | Peter | 24/2/2023 | 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 Front End Accounting.

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 Front End Accounting 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** |
| **Sales** | Sales Module | 1. Sales Quotation Entry, 2. Sales Order Entry, 3. Direct Delivery, 4. Direct Invoice, 5. Delivery Against Sales Orders, 6. Invoice Against Sales Delivery, 7. Customer Payments |
| **Purchase** | Purchase Module | 1. Purchase Order Entry, 2. Outstanding Purchase Orders  Maintenance, 3. Direct GRN, 4. Direct Supplier Invoice, 5. Payments to Suppliers, 6. Supplier Invoices |
| **Items & Inventory** | Items & Inventory Module | 1. Inventory Location Transfers, 2. Inventory Item Movements, 3. Inventory Item Status, 4. Inventory Reports |

### Feature not to be tested

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

* + - * Manufacturing

Manufacturing consist an items that manufactured in current company.

* + - * Fixed Assets

Fixed assets are the assets that are fixed items and its price

* + - * Dimensions

The results suggest that ERP scope or size can be viewed as being formed of three dimensions, labeled **ERP implementation breadth, depth, and magnitude**.

* + - * Banking and General Ledger

A general ledger, or GL, is **a means for keeping record of a company's total financial accounts**

* + - * Setup

Find the Right ERP Software for Your Needs

Data Migration

Configure the System

Test the System

Train Your Employees

### Test Type

In the project Front End Accounting , 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
  + **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 Front end Accounting, 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.** | | Server | | SQL server; android management studio, firebase server | |
| **2.** | | Test tool | | Develop a Test tool which can auto generate the test result to the pre- defined form and automated test execution | |
| **3.** | | Network | | Setup a LAN Gigabit and 1 internet line with the speed at least 5 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

**Ram:** 4 GB minimum

**Operating System:** Windows, Linux

**Software:** Front End Accounting ERP

**Browser:** Chrome / Firefox

## SCHEDULE & ESTIMATION

### All project task and estimation

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| **Create the test specification** | Test Designer | 10 Employee |
| **Perform Test Execution** | Tester, Test Administrator | 10 Employee |
| **Test Report** | Tester | 5 Employee |
| **Test Delivery** |  | 5 Employee |
| **Total** |  | **30 employee** |

### Schedule to complete these tasks

|  |  |  |
| --- | --- | --- |
| Task Name | Start Date | End Date |
| Making Test specification | 2/02/2023 | 10/02/2023 |
| perform test | 11/2/2023 | 15/2/2023 |
| test report | 15/2/2023 | 20/2/2023 |
| test delivery | 20/2/2023 | 30/2/2023 |

## 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 | Jess | Test Manager | 03-02-2023 |
| Test Scenario Doc | Mahesh | Test Lead | 05-02-2023 |
| Test case | Arun | Sr. tester | 10-02-2023 |