**Visit Egypt - Test Plan**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Version** | 1.0 |  |
| **Release Date** | 29-09-2021 |

## Description and Overview

The Software Test Plan (STP) is designed to prescribe the scope, approach, resources, and schedule of all testing activities. The plan must 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.

This document describes the testing methodology; the types of testing that will be performed complete with required testing environments; and the deliverables associated with the testing types.

## Test Objectives

A primary objective of testing application systems is to ***assure that the system meets the full requirements, including Non-functional requirements and satisfies the use case scenarios and maintain the quality of the product.*** At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements.

The secondary objective of testing application systems will be to identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate matter before release.

## Test Scope

This section outlines the features, components and activities that will be specifically addressed by the Testing Plan and identifies items that are out of scope for this Testing Plan.

### **In scope**

Validating the look of the website.

Validating the images is shown

Validating the weblinks are used

Validating the framework streamlit is working as expected (usage of animation and emojis)

### **Out of scope**

All areas not mentioned above under “In Scope” section will not be part of testing.

# Test Team

The testing team(s) has the following primary responsibilities:

|  |  |  |
| --- | --- | --- |
| Position | Roles and Responsibilities | Number of Resources |
| Quality Engineer | * Involved in the planning, monitoring, and control of the testing activities and tasks * Prepare all related QC deliverables according to quality control process * Perform test case and test script review activities and attend specification review discussions. * Execute all test cases and mark test cases with status accordingly * Report all defects and the summary of information gathered during test Reviews requirements and specifications, and defines test conditions * Designs test cases and test scripts under own direction, mapping back to pre-determined criteria, recording and reporting outcomes * Analyses and reports test activities and results * Identifies and reports issues and risks associated with own work | **1** |

# 

# Test Types

The following testing type will be conducted in the Patch/ Release:

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Description | Components | Testing Tools |
| Smoke Testing | Smoke test will be run on each deployment to check that each build is stable enough for further testing |  | N/A |
| Functional testing | Functional testing will be carried out for all new features to make sure that the functionality is working fine |  | Manual |
| Regression Testing | Regression testing is rerunning test cases from existing test suites to build confidence that software changes have no unintended side-effects |  | Manual |

# Test Environments

This section contains the lists of various environments needed for test execution:

|  |  |  |
| --- | --- | --- |
| Environment | Purpose | Specifications |
| SIT Environment | * System Integration Testing | Visit Egypt. |

# Test Plan Work Packages

The following list of Work packages will be delivered in the **execution** phase:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Component** | **Work Package** | **Description** | **Entry Criteria** | **Estimated # of Test Cases** | **Estimated Duration** | **Exit Criteria** |
| Round Activity Title | Round 1 | Analysis Requirements /Write test cases/SIT Execution | * Business requirements Specification * Test Data Creation. * Check The system readiness | 5 | 1 Working days | * Required test data. * The System environment is ready. |
| * Round Activity Title | Round 2 | SIT /Round1 | * Test cases, Scenarios Execution and validation of the results. * Test sets completed. | TBD | 2 Working days | * Execute all of the test cases/scenarios. * Bugs Reporting. * Validation completed. |
| Round Activity Title | Round 3 | Bugs verification  User acceptance confirmation  /Round2 | * Round1 Bugs Resolved. | TBD | 1 Working days | * Verified fixed bugs and provide signoff confirmation. |
| * Transactions for Non-Certifications (Drop 2)- UAT | Round 5 | User Acceptance Testing /Round1 | * Test cases, Scenarios Execution and validation of the results. * Test sets completed.   . | TBD | 1 Working days | * Execute all of the test cases/scenarios. * Bugs Reporting. * Validation completed. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Total** | Working days |  |

# Test Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Planned Start Date** | **Planned End Date** | **Actual Start Date** | **Actual End Date** |
| Round 1 |  |  |  |  |
| Round 2 |  |  |  |  |
| Round 3 |  |  |  |  |
| Round 4 |  |  |  |  |
|  |  |  |  |  |

# 

# Testing Priority

|  |  |
| --- | --- |
| **Planning and Design** | **Working Days** |
| **Testing Activities during this phase** | |
| Business Document/ User Story Review and send comments to related department. | |
| Business Capturing ,Requirements study and analysis | |
| Capturing Required test data | |
| Test Case ,Scenarios Design and review | |

|  |  |
| --- | --- |
| **Round 1** | **Working Days** |
| **Testing Activities during this phase** | |
| Test Data Acquired, and requirement is clear for test case creation | |

|  |  |
| --- | --- |
| **Round 2** | **Working Days** |
| **Testing Activities during this phase** | |
| SIT Activity | |
| Functional testing | |
| Bug Reporting | |

|  |  |
| --- | --- |
| **Round 3** | **Working Days** |
| **Testing Activities during this phase** | |
| Bugs verification | |
| Re-execute SIT test cases which is failed in Round1 to ensure fix is working as expected. | |

|  |  |
| --- | --- |
| **Round 4** | **Working Days** |
| **Testing Activities during this phase** | |
| UAT Activities | |
| Functional testing | |

# Test Tools

List down the testing tools used to test this Patch/ Release if applicable.

|  |  |  |
| --- | --- | --- |
| Tool | Description | Number of license |
| MS Excel Sheet/ Jira | For Test cases and actual execution | TBD |
| MS Word | For Test plan | TBD |

# Acceptance and Exit Criteria

|  |  |  |
| --- | --- | --- |
| **Bug Classification** | **Value** | **Description** |
| Critical | 1 | The defect affects critical functionality or critical data.it can range from an app that continuously crashes, to a button missing in the user interface that prevents you from loading or cause a complete failure of a feature. |
| High | 2 | The defect affects major functionality or major data. It has a workaround but is not obvious and is difficult. Example: A feature is not functional from one module but the task is doable if 10 complicated indirect steps are followed in another module/s. |
| Medium | 3 | The defect affects minor functionality or non-critical data. For example, if you are testing an application and trigger a pop-up message that is incorrect – or even in the wrong language – this is a minor defect so long as it has no effect on the general functionality of the application itself. |
| Low | 4 | The defect does not affect functionality or data. They have no real impact on the functionality of the application you are testing. Trivial bugs often come in the form of cosmetic or design errors, such as a text block exceeding its boundaries or an image out of alignment. |

# UAT Acceptance Criteria for Functional Testing (Test Exit Criteria)

|  |  |  |  |
| --- | --- | --- | --- |
| **Item Description** | **Criteria** | **Expected Value** | **Actual Value** |
| Number/Percent of Critical Bugs Released to Production | = | 0 |  |
| Number/Percent of High Bugs Released to Production | = | 0 |  |
| Number/Percent of Medium Bugs Released to Production | <= | 5 % |  |
| Number/Percent of Low Bugs Release to Production | <= | 10 % |  |

# QA Important Notes