**QA World Cup :**

**Problem type: Designing Test Approach**

**Test Strategy**

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1. **Introduction and Overview:**

The purpose of this Test Strategy document is to define overall approach that will be taken by the Testing Team when delivering testing services to “website redesign” project. The document helps to clarify the testing activities, roles and responsibilities, processes, and practice to be used across successive projects and ensure quality of testing.

This Test Strategy document outlines a high-level view of all major aspects that could affect the success of the Testing. It also aims to structure the direction and to shape the test effort.

**The purpose of the Test Strategy is to define:**

* Test Scope – Features and items to be tested and features not in scope
* Test Process and Procedures – What testing is needed and what are the activities
* Test Management – Reporting, control, schedule, Configuration, and problem management
* Test Tools – Tools, utilities etc. that will be used during testing
* Test Deliverables – Test preparation and test execution
* Test Environment
* Roles and responsibilities for the various test stages

By signing-off this document, the business will confirm agreement that the approach documented here meets the business requirements and the project team can start implementing it.

1. **Testing Objectives and Approach:**

The Management team has identified following objectives as critical success factors to successfully complete the validation of testing activities being executed by ABC IT Team for “website redesign” project:

* Verify that the various systems under test, that are required to execute the functionality in scope, have been implemented correctly and are fit for purpose.
* Redesign the website with new UI without changing back-end (database) and API Layer.
* Minimize the risk of failure in the system when it is implemented
* Measure product quality against agreed acceptance criteria

To meet the above objectives, following types of tests will be performed during this project:

* Functional testing
* Usability Testing
* Performance Testing
* Automation Testing
* Cross Browser Testing
* Security Testing
* Load testing
* Visual Testing
* Localization Testing
* Accessibility testing
* Acceptance testing
* End to end testing
* Integration testing
* Stress testing
* Unit testing

1. **Scope:**

ABC IT Team will perform the following Test:

* Unit Testing
* Regression Testing

1. **Out of Scope:**

ABC Bank It will not perform the following activities:

* Back-End Testing (Database Testing)
* API Testing

1. **Assumptions and Dependencies:**

* All business requirements will be finalized, documented, and incorporated into the

documents which form the test base prior to the start of testing.

* The test environment will be available at the start of the testing period.
* A tool will be available to manage issue tracking and resolution.
* The test environment will not change after test preparation and execution.

1. **Risk and Constraints:**

* The defect related to data may be available on the website.

1. **Reporting and Escalation Process:**

If any issue from the Issues Log remains unresolved for two weeks and either ABC or all “website redesign” projects regards the issue as significant, then the issue resolution is escalated through this route.

1. [Specify the escalation model as available in SoW/Contract. Else specify the route through which escalation flows. E.g., Sopra Project Manager will immediately inform <Customer Name> Manager and based on the reason for delay/issue, a plan to alleviate the delay and issue will be formulated.]

Team Member -> Test Lead -> Project Manager -> Service Manager -> GPM