**Test Plan**

**Product Name ISTQB India Website**

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**Overview**

This test plan outlines the approach, strategy, and resources required to ensure the functionality, usability, security, and performance of the ISTQB India website.

**Scope**

The scope of testing includes all functional and non functional requirements outlined in the Functional Requirements Specification (FRS) document for the ISTQB India website.

**Inclusions**

* Home Page
* Navigation
* Examination Information
* Content Management
* Security Requirements
* Non-Functional Requirements (Performance, Reliability, Scalability, Usability, Maintainability)

**Test Environments**

* Windows 10 Chrome, Firefox, Edge
* Mac OS Safari
* Android Mobile OS Chrome
* iPhone Mobile OS Safari

**Exclusions**

* Features not mentioned in the Inclusions section
* Third-party features or Payment gateways
* Test Automation

**Test Objectives**

* Verify functionality as per FRS document
* Ensure a smooth user experience across browsers and devices
* Identify and report bugs, errors, and inconsistencies
* Validate data integrity
* Conduct basic performance testing.

**Test Levels and Types**

* Test Level Functional Testing
* Test Types
* Smoke Testing
* Sanity Testing
* Regression Testing
* Usability Testing
* UI Testing

**Test Strategy**

* Create test scenarios and cases based on FRS document
* Apply various test design techniques ( Equivalence Class Partition, boundary Value Analysis, Decision Table Testing, State Transition Testing, and Use Case Testing)
* Prioritize test cases.
* Perform Smoke Testing before detailed functional testing.
* Conduct multiple test cycles until quality product is achieved.
* Follow best practices including Context Driven Testing, Shift Left Testing, Exploratory Testing, and End to End Flow Testing

**Defect Reporting Procedure**

* Note any deviation from expected behavior or usability issues
* Report defects with steps to reproduce and screenshots
* Daily updates on defects encountered
* Defects documented in an Excel sheet

**Roles/Responsibilities**

* Test Manager Escalations, Test Plan creation, client interactions
* Test Lead Test case creation, execution, defect reporting
* Senior Test Engineer and Test Engineer Test execution, defect reporting

**Test Schedule**

* Test Plan Creation [Start Date to End Date]
* Test Case Creation [Start Date to End Date]
* Test Case Execution [Start Date to End Date]
* Summary Reports Submission [Date]

**Test Deliverables**

* Test Plan
* Functional Test Cases
* Defect Reports
* Summary Reports

**Pricing**

NA

**Entry and Exit Criteria**

* Requirement Analysis, Test Planning, Test Designing, Test Execution, and Test Closure phases have defined entry and exit criteria as per the document.

**Suspension and Resumption Criteria**

* Project suspension and resumption based on client decision.

**Tools**

* XYZ Bug Tracking Tool
* Mind map Tool
* Snipping Screenshot Tool
* Word and Excel documents

**Risks and Mitigations**

In this section, we identify potential risks that could impact the testing process or the project as a whole. These risks may include non-availability of resources, technical challenges, time constraints, etc. Mitigation strategies are then proposed to address these risks and minimize their impact.

* Risk: Non-Availability of a Resource
* Mitigation: Have a backup resource plan in place to ensure continuity of testing activities.
* Risk: Technical issues with the website build
* Mitigation: Allocate resources to work on other tasks while technical issues are being resolved.

**Approvals**

The team will send different types of documents for Client Approval like below:

* + Test Plan
  + Test Scenarios
  + Test Cases
  + Reports

Testing will only continue to the next steps once these approvals are done.