**Objective**

The objective of this test plan is to ensure the quality and reliability of the Edu Connect application by thoroughly testing its functionality, usability, performance, and security aspects. The goal is to deliver a seamless and satisfactory user experience to customers

**Scope**

The scope of this test plan includes testing the following aspects of the Edu connect application:

Core functionality such as user login, logout functionality , Course, Quiz functionality, My profile functionality etc.

User interface (UI) and user experience (UX) across different devices and platforms.

Performance under normal and peak load conditions.

Security aspects including data protection, authentication mechanisms, and secure transactions.

Compatibility with various web browsers and mobile devices.

**Inclusions**

1. Login Feature

2. Logout Feature

3. Homepage Feature

4. My Courses Feature

5. Courses Feature

6. Quiz Feature

7. My profile Feature

**Test Approaches**

The test approach for the Edu Connect application will be:

Risk-based Testing: Prioritize testing efforts based on the impact and likelihood of potential risks.

Exploratory Testing: Discover defects through ad-hoc testing while simulating real-world user scenarios.

User Acceptance Testing (UAT): Involve real users to validate the application against business requirements.

**Test Environments**

## ● Windows 10, Windows 11 - Chrome, Firefox and Edge

## ● Mac OS - Safari Browser

## ● Android Mobile OS - Chrome

## ● iPhone Mobile OS - Safari

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# **Roles/Responsibilities**

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibility |
| Pooja Yadav | Project Manager | Escalations |
| Istiyak Shaikh | Testing Engineer | 1.Understanding customer requirements  2. Creating test cases on all the modules  3.Creating Test Plan  4.Creating summary reports  5.Creating Test scenarios  6.Writing Suggestions for for project |

**Test Schedule**

|  |  |
| --- | --- |
| **Task** | **Duration** |
| Creating Test Plan | 11-06-2024 |
| Test Case Creation | 12-06-2024 to 13-06-2024 |
| Test Case Execution | 14-06-2024 |
| Summary Report Submission | 15-06-2024 |

**Test Deliverables**

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables** | **Description** | **Test Engineer** | **Target Completion Date** |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | Istiyak Shaikh | 11-06-2024 |
| Functional Test Cases | Test Cases created for the scope defined | Istiyak Shaikh | 13-06-2024 |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis. | Istiyak Shaikh | 15-06-2024 |
| Summary Reports | Summary Reports –  Bug by Bug#,  Bugs by Functional Area and Bugs by Priority | Istiyak Shaikh | 15-06-2024 |

**Entry and Exit Criteria**

**Requirement Analysis**

**Entry Criteria:**

* All business and functional requirements are clearly defined, documented, and approved.
* User stories or use cases are complete and available.

**Exit Criteria:**

* The testing team should carefully review and understand all the project requirements. Any questions or uncertainties should be clarified to ensure they know exactly what needs to be tested and how it should work.

**Test Planning**

**Entry Criteria:**

* Test plan is created, reviewed, and approved.
* Detailed test cases are written, reviewed, and approved.
* Test cases are mapped to requirements to ensure coverage.

**Exit Criteria:**

* Test Plan document which includes the Test Strategy, which provides a high-level overview of how testing will be conducted. is signed-off by the Client (Cookbook)

**Test Designing**

**Entry Criteria:**

* The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client

**Exit Criteria:**

* Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client

**Test Execution**

**Entry Criteria:**

* Test Scenarios and Test Cases document needs to be reviewed and approved by the client and Documents are signed-off by the Client

· Application is ready for Testing

**Exit Criteria:**

* Test Case Reports, Defect Reports are ready

**Test Closure**

**Entry Criteria:**

* Test Case Reports, Defect Reports are ready

**Exit Criteria:**

* ·Test Summary Reports, it overviews of the entire testing process

**Tools**

The following are the list of Tools we will be using in this Project:

* Excel
* Google Docs
* Google Sheets

**Risk and mitigation**

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Non-Availability of a Resource | Implement backup resource planning. |
| Build URL is not working | Resources will work on other tasks |
| Less time for Testing | We dynamically increase resources based on the client's needs. |