**TEST PLAN**

**Project Name: Edu-School**

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**PREPARED BY: ADNAN DATE:11-Nov-2024**

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**Introduction**

**1. Introduction** This document aims to give an overview of the testing approach Strategies, and scope for the EDU-SCHOOL application. This document includes details like the scope of the project, objective, test schedule and resource allocations, test deliverables, and report

**Objective**

* The purpose of this test plan is to define the testing strategies and methodologies.
* To ensure that the EDU-SCHOOL Software meets all functional, performance, and security requirements.

confirm it is compatible with different Browsers

**Scope**

In the Scope We will test the following:

* User registration and login.
* Access after subscribing and notifications to users.
* Use the search bar
* Courses

**Testing Strategy**

* **Functional Testing**: To make sure each part works as it should.
* **Usability Testing**: To check that the subscription process is easy to follow.
* **Performance Testing**: To test how fast and reliable the subscription feature is.
* **Security Testing**: To ensure payment details and user data are safe.
* **Testing Methodologies**

1. Black-box Testing
2. White-box Testing
3. Regression Testing
4. User Acceptance Testing

* **Testing Environment**

1. UAT

* **Operating System**

1. Windows 12 and above Browsers [Chrome and Firefox]
2. **Devices**: Desktop, Tablet, Mobile (responsive design testing)

**Roles and Responsibility**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| ADNAN | Test Manager | * Overseeing all testing activities. * Monitoring project process. * Manage timelines, budget, and resources. |
| ADNAN | Test Engineer | * Developing and executing test cases, and reporting bugs. * Creating and maintaining automation scripts. |

**Test Schedule**

|  |  |  |
| --- | --- | --- |
| **Task** | **Start Date** | **End Date** |
| Test Planning | 12-Nov-2024 | 13-Nov-2024 |
| Test Case Development | 13-Nov-2024 | 13-Nov-2024 |
| Test Execution | 14-Nov-2024 | 14-Nov-2024 |
| Defect Reporting | 15-Nov-2024 | 15-Nov-2024 |
| Test Summary Report | 16-Nov-2024 | 16-Nov-2024 |

**Deliverables**

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables** | **Description** | **Responsible Owner** | **Date** |
| Test plan | A Test Plan outlines the strategy, scope, objectives, resources, and schedule of testing activities for a project. It acts as a blueprint to ensure a structured approach to achieving quality goals in the software testing lifecycle | ADNAN | 13-Nov-2024 |
| Test Cases | Test cases created for  Functional and Compatibility testing | ADNAN | 13-Nov-2024 |
| Defect Report | Detailed description of defects. | ADNAN | 15-Nov-2024 |

**Entry and Exit Criteria**

**Entry Criteria**:

* All features are developed and deployed in the test environment.
* Test environments are set up with necessary configurations.
* Test cases are written and reviewed.

**Exit Criteria**:

* All critical and major defects have been fixed and retested.
* 95% of test cases are executed.
* No open high-severity issues.

**Tools**

The following is the list of Tools we will use in this project.

* **Jira:** Test management tool
* **Zephyr:** Test management tool

**Risks and Mitigation**

* **Risk**: Delays in feature development impacting the testing timeline
* **Mitigation**: Regular communication with development teams to adjust testing timelines.
* **Risk**: Unstable test environment.
* **Mitigation**: Schedule buffer time for environmental setup and configuration.

**Approvals**

This document is approved by:

* Product Owner
* Project Manager