



Test Plan

Project Name: Edu-School Web Application

Edu-School



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Introduction:

The aim of this document is to give an overview of the testing approach, strategies, and scope for the Edu-School web application. This Document includes details like scope of the project, objectives, test schedule and resource allocations, test courses.

AUT :- <https://edu-school-k4id.vercel.app/>

Objectives

- To ensure the functionalities of key features such as search courses, every lecture is click or not and payment management.
- To ensure the performance of lectures , multiple students have come on the website.

Scope:

This test plan covers only functional testing, performance testing and usability testing of the edu-School web application.

Testable features:

- Register
- Login
- Forgot password
- New user
- Search
- Explore Now
- Courses
- Our free courses
- Subscription
- Shopping Cart
- Level
- Instructor
- Badge
- New batches

Testing Approach:

➤ Testing Types

- Functional testing
- Performance testing
- Usability testing

➤ Testing Methodologies

- Black-box Testing
- White-box Testing
- Regression Testing
- User Acceptance Testing(UAT)

➤ Testing Environment

- UAT
- Pre-Prod
- Online
- Offline

➤ Operating System

- Windows 11 and above
- Browsers: [Chrome and Edu-school app]
- Testing Tools: [selenium, jira, zephyr, microsoft teams]

Roles/Responsibilities

Name	Role	Responsibilities
Ravi shanker	Test Manager	<ul style="list-style-type: none">➔ Manage Budgets And resources.➔ Assess And Prioritize Project Risks/tasks. Monitoring Project Progress.➔ Resolve Communication➔ Issues And Conflicts effectively.
Rohit yadav	Test Lead	<ul style="list-style-type: none">➔ Develop test plans and Strategies➔ alignment with project objectives and requirements.➔ Assign Tasks,set priorities,and provide➔ and support team members.➔ Review Test Results And Provide feedback➔ to team members.➔ Monitor And Manage risks throughout the

		→ testing Life cycle.
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Shobhit Pathak	Test Engineer	→ Understand Customer Requirements → WriteTestscenarios&Testcases → ExecutingtheTestcases. → Performing Root Cause Analysis to → identify underlying issues. → Defect Tracking And Reporting.
Suraj Pandey	Test Engineer	→ Understand Customer Requirements → Configuring and Setting Test → Environment. → ManagementofAutomationtools. → ExecutingRegressionTestcases. → File Closure activity

Test Schedule:

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan creation	18 December 2024
Test Scenario creation	19 December 2024
Test case creation	18 - 19 December 2024
Test case Execution	18 - 19 December 2024
Summary Report Submission	19 December 2024

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis



Entry Criteria:

Once the testing receives the Requirements document and use documents of the project. Includes what functions needs to be tested and how the

Software should behave.

➤ **Exit Criteria:**

The testing team should thoroughly explore and understand each requirement listed in the documents . Any doubts or uncertainties team regarding the requirements should be addressed and clarified to ensure that the testing team Has a clear understanding of what needs to be tested and how it should behave.

Test Planning

➤ **Entry criteria:**

Testing Requirements derived from the given Requirements documents. Test plan document Includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➤ **Exit criteria:**

Test Plan is signed-off by the Client (Owner of edu-school)

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 Scenario 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 the client and Documents are signed-off by the Client. Application is ready for further Testing.

➤ **Exit Criteria:**

Test Case Reports, Defect Reports are ready

Test Closure

➤ **Entry Criteria:**

Test Cases Reports, Defect Reports are ready

➤ **Exit Criteria:**

Test Summary Reports, it overviews the entire testing process.

Tools

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

- X mind map Tool
- Jira - Project management Tool
- Salesforce cloud - CRM Tool
- Zephyr- Test Management
- Microsoft Teams - collaboration
- Selenium- Web Automation

Risks and Mitigation plans:

The following are the list of risks possible and the ways to mitigate them:

Risk	Mitigation plans
Lack of Automation Testers	Backup Resource Planning
No detailed Requirements available	Subject matter experts available for deep understanding of functionalities

Approvals

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

- Test Plan
- Test Scenarios
- Reports

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

