**Project Documentation**

**Test Plan Document**

**Project Name: Learning Management System (Learnfi)**

Release Date: 2025/03/29

Author: B.G.C.N Chandrasekara

Owner: W.W.N.S Wijesinghe

Client:

Version No: 1.0.0

**Learning Management System (Learnfi)**

**Project Test Plan Date: 10th March 2025**





# Project Test Plan History



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* 1. **Document Location**

This document is only valid on the day it was printed.

The source of the document will be found on the project's PC in location.



* 1. **Review History**

**Date of this review: pending**

**Date of next review: pending**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision date** | **Previous revision date** | **Summary of Changes** | **Changes marked** |
| 22.03.2025 | - | First issue |  |



* 1. **Approvals**

This document requires the following approvals.

Signed approval forms are filed in the Management section of the project files.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Signature** | **Title** | **Date of Issue** | **Version** |
| Ms. Sanduni Wijesinghe |  | QA Engineer | 22.03.2025 | 1.0 |



* 1. **Distribution**

This document has been distributed to:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Date of Issue** | **Version** |
| Ms. Sanduni Wijesinghe | Quality Manager | 22.03.2025 | 1.0 |

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**Project Test Plan**



**2.1 Overview**

The Student Section of Learnfi allows registered students to sign up, log in, search for programs, enroll in courses, manage their profiles, and access educational content.



**2.2 Scope**



**2.2.1 Inclusions**

**Functional Testing:** Student enrollment, profile management, search functionality, course access, and payment history validation.

**Usability Testing:** Navigation flow, UI consistency, and accessibility testing.

**Security Testing:** Authentication, data privacy, and role-based access control validation.

**Compatibility Testing:** Cross-browser and device compatibility testing.



**2.2.2 Test Environments**



**2.2.3 Exclusions**

* Instructor and Admin functionalities.
* Payment gateway backend testing (only UI validation).
* Third-party integrations beyond API response validation.

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1. **Purpose**

The purpose of this test plan is to ensure that the Student Section of Learnfi LMS meets the functional, security, usability, and performance requirements before deployment.



* 1. **Test strategy**
* Manual testing methodologies



* 1. **Test schedule**

Following is the best schedule planned for the project

|  |  |
| --- | --- |
| Task | Time duration |
| Creating test plan | 1 day |
| Test scenario creation | 1 day |
| Test case creation | 5 days |
| Test case execution | 8 days |
| Bug tracking and reporting | 1 day |
| RTM creation | 2 days |
| Summary reports submissions | 1 day |

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* 1. **Test deliverables**

The following are to be delivered to the client:

|  |  |  |
| --- | --- | --- |
| Deliverables | Description | Target completion date |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables, and schedule | **2025/03/10** |
| Test Scenarios and Test Cases | Test cases created for the scope defined | **2025/03/24** |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis | **2025/03/25** |
| RTM Documents |  | **2025/03/27** |
| Summary Reports | Summary Reports | **2025/03/28** |



* 1. **Pricing**



1. **Entry and exit criteria**

Entry Criteria:

* Approved requirements document.
* Test cases reviewed and approved.
* Test environment setup completed.

Exit Criteria:

* No critical defects remain unresolved.
* All test cases executed with at least 95% pass rate.
* Test summary report submitted and approved.

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1. **Acceptance criteria**

* Student functionalities meet business and user requirements.
* No major usability issues found.
* Security vulnerabilities addressed.
* Performance remains stable under expected user load.



1. **Suspension and Resumption criteria**

Suspension:

* Severe defects blocking further testing.
* Environment unavailability.

Resumption:

* Fixes implemented and verified.
* Test environment restored.



1. **Roles and responsibilities**

|  |  |
| --- | --- |
| Roles | Responsibilities |
| QA Engineer | Ensuring software quality through planning, testing, automation, and collaboration. |



1. **Applicable standards**



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1. **Specialist work quality assurance and audit processes**

* Peer reviews of test cases and scripts.
* Periodic audits for test coverage.



1. **Management procedures**

* Weekly progress updates to stakeholders.
* Risk assessment at each phase.



1. **Defect reporting procedure**

* Defects logged in a defect management tool (eg., Jira, Excel).
* Severity and priority assigned based on impact.
* Fix verification before closure.



1. **Quality tools**

* JIRA (for defect tracking).



1. **Risk and mitigations**

|  |  |
| --- | --- |
| Risk | Mitigation strategy |
| Environment issues | Use cloud-based test environments. |
| Security vulnerabilities | Regular security audits and penetration testing. |



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1. **Approvals**

Approval signatures:

|  |  |  |
| --- | --- | --- |
| Name | Role | Date |
| Ms. Sanduni Wijesinghe | QA Engineer |  |



This test plan ensures a structured and comprehensive approach to testing the LeamFi website

for a successful and high-quality deployment.