**User Acceptance Testing (UAT)**

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| --- | --- |
| **Date** | **26 June 2025** |
| **Team ID** | **LTVIP2025TMID20425** |
| **Project Name** | **LearnHub: Your Center for Skill Enhancement** |
| **Mentor Name** | **Dr Shaik Salma Begam** |
| **Maximum Marks** | **10 Marks** |

### **Project Overview**

* **Project Name:** LearnHub: Your Center for Skill Enhancement
* **Project Description:** LearnHub is a MERN stack-based e-learning platform where users (students, instructors, and admins) can register, browse courses, enroll, complete lessons, and receive certificates. Admins manage users and course content.
* **Project Version:** 1.0
* **Testing Period:** 25 June to 26 June

### **Testing Scope**

**Features and Functionalities to be Tested:**

* User registration and login
* Course browsing and search
* Enrollment and course access
* Lesson completion tracking
* Certificate generation
* Instructor/Admin course management

**User Stories/Requirements to be Tested:**

* **USN-1:** User registration
* **USN-2:** Registration confirmation
* **USN-3:** User login
* **USN-4:** Course browsing/search
* **USN-5:** Course enrollment and progress tracking
* **USN-6:** Instructor/Admin course management and certificate control

### **Testing Environment**

* **URL/Location:** [http://localhost:3000 or deployed URL]
* **Credentials (if required):**
  + **Student:** saraht@gmail.com / StudentPass1
  + **Instructor:** Yasasri@gmail.com / InstructorPass1
  + **Admin:** admin@gmail.com / AdminPass1

### **Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | User Registration | 1. Go to Register page 2. Enter details 3. Submit | User account is created, confirmation message shown | User account created successfully, confirmation message shown | Pass |
| TC-002 | User Login | 1. Go to Login page 2. Enter credentials 3. Submit | User is logged in and redirected to dashboard | Login failed due to incorrect password, no redirection | Fail |
| TC-003 | Course Browsing & Search | 1. Go to Home 2. Use search/filter | Relevant courses are displayed | Some unrelated courses shown in results | Fail |
| TC-004 | Course Enrollment | 1. Click on a course 2. Click “Enroll” 3. Check access to content | User is enrolled and can view full course content | Enrolled successfully, course content unlocked | Pass |
| TC-005 | Lesson Completion Tracking | 1. Open enrolled course 2. Mark section complete | Section marked complete, progress bar updates | Section status updated correctly | Pass |
| TC-006 | Certificate Generation | 1. Complete all course sections 2. Click “Download Certificate” | Certificate is generated and downloadable | Certificate downloaded with correct name and course title | Pass |
| TC-007 | Admin Course Management | 1. Login as admin 2. Add/edit/delete course | Course list updates accordingly | Deletion not reflected until manual refresh | Fail |

### **Bug Tracking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| BG-001 | Login fails with valid credentials | 1. Go to Login 2. Enter valid credentials 3. Submit | High | Open | Backend API returns 401 error even with correct credentials. Possibly token/hash issue |
| BG-002 | Course list not updating | 1. Admin deletes course 2. Navigate to course list | Medium | In Progress | UI shows deleted course until page is manually refreshed. React state issue suspected |
| BG-003 | Incorrect search results | 1. Search course “React” 2. Irrelevant results shown | Low | Open | Filtering logic may not be applying properly. Regex or fuzzy search config issue |

**Sign-off**

**Tester Name:** Chandana Reshma

**Date:** 26 June 2025

**Signature:** Reshma