**User Acceptance Testing (UAT) Template**

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| --- | --- |
| Date | 18-07-2024 |
| Team ID | PNT2022TMID SWTID1720175019 |
| Project Name | Nexus Learn - Online learning platform |
| Maximum Marks |  |

**Project Overview:**

Project Name: Nexus Learn - Online learning platform

Project Description:

NEXUS LEARN is an online learning platform where teachers create and manage courses, students enroll in and complete courses, and admins oversee everything. Built with MongoDB, Express.js, and Node.js, it ensures secure user authentication and smooth data handling through RESTful APIs.

Project Version: 1.0

Testing Period: 18-07-2024 to 20-07-2024

**Testing Scope for NEXUS LEARN:**

* **Features and Functionalities to be Tested:**
  + User authentication and authorization
  + Data fetching and display
  + Course and section management
  + Enrollment and course progress tracking
  + Certificate generation
  + Form validations and submissions
  + Error handling and notifications
  + Performance and load testing
* **User Stories or Requirements to be Tested:**
  + As a user, I should be able to sign up, log in, and log out.
  + As a student, I should be able to enroll in courses and track my progress.
  + As a teacher, I should be able to create, update, and delete courses and sections.
  + As an admin, I should be able to manage users, courses, and enrollments.
  + As a student, I should be able to download my certificate upon course completion.
  + As a user, I should be able to submit forms and receive feedback.

**Testing Environment**

**URL/Location:**

* Frontend: [http://localhost:5000]
* Backend: [http://localhost:3000]

**Credentials (if required):**

* User Email: testuser@example.com
* User Password: testpassword

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | User Authentication | 1. Open sign-up page <br> 2. Enter valid details <br> 3. Click "Sign Up" <br> 4. Open login page <br> 5. Enter valid credentials <br> 6. Click "Log In" | User account created, user should be able to log in, and dashboard should load | User account created and logged in successfully, Dashboard loaded successfully | Pass |
| TC-002 | Profile and Dashboard Management | 1. Log in to the application <br> 2. Navigate to profile page <br> 3. Update profile info and save <br> 4. Navigate to dashboard <br> 5. Verify dashboard displays user information | Profile information should update successfully and display new info <br> Dashboard should display user information | Profile information was updated successfully <br> Dashboard displayed user information | Pass |
| TC-003 | Enroll in Course | 1. Log in as student <br> 2. Go to courses page <br> 3. Select course <br> 4. Click "Enroll" | Enrollment confirmed | Enrollment confirmation message displayed | Pass |
| TC-004 | Create Course | 1. Log in as teacher <br> 2. Go to create course page <br> 3. Enter details <br> 4. Click "Create" | Course created and listed | Course created and visible in course list | Pass |
| TC-005 | Manage Users (Admin) | 1. Log in as admin <br> 2. Go to manage users page | Users listed with management options | Users listed, management options available | Pass |

**Bug Tracking:**

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| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **Severity** | **Status** | **Additional feedback** |
| BUG-001 | Login Error with Valid Credentials | 1. Open login page <br> 2. Enter valid credentials <br> 3. Click login | Critical | Open | Error message displayed instead of dashboard |
| BUG-002 | Profile Update Fails | 1. Log in <br> 2. Go to profile page <br> 3. Update info <br> 4. Click save | Major | Open | Profile info remains unchanged after save |
| BUG-003 | Course Enrollment Confirmation Missing | 1. Log in <br> 2. Go to courses page <br> 3. Enroll in a course | Minor | Open | No confirmation message displayed |
| BUG-004 | Course Creation Error | 1. Log in as teacher <br> 2. Go to create course page <br> 3. Enter course details <br> 4. Click create | Major | Open | Error occurs, course not created |
| BUG-005 | Admin User Management Issue | 1. Log in as admin <br> 2. Go to manage users page | Critical | Open | Users not listed, management options unavailable |

**Sign-off:**

Tester Name: Sashank

Date: 19-07-2024

Signature: sashank

**Notes:**

* Ensure that all test cases cover both positive and negative scenarios.
* Encourage testers to provide detailed feedback, including any suggestions for improvement.
* Bug tracking should include details such as severity, status, and steps to reproduce.
* Obtain sign-off from both the project manager and product owner before proceeding with deployment.