

User Acceptance Testing (UAT) Template

Date	30 JUNE 2025
Team ID	LTVIP2025TMID38204
Project Name	Edututor AI: PERSONALIZED LEARNING WITH GENERATIVE AI And LMS INTEGRATION
Maximum Marks	



Project Overview

Project Name: Edututor AI – Personalized Learning Integration

Project Description: An AI-powered assistant integrated into the LMS that generates personalized lessons, quizzes, feedback, and content summaries based on student interactions, engagement, and performance data.

Project Version: [Enter Version]

Testing Period: [Start Date] to [End Date]

Testing Scope:

- Personalized lesson and quiz generation
- Student engagement analytics
- AI feedback and recommendation functionality
- LMS integration workflows and UI

User Stories / Requirements:

- As a student, I receive quiz questions tailored to my mastery level.
- As an instructor, I can filter student performance and export summaries.
- The system provides instant feedback on chat queries.



Testing Environment

URL / Location: [LMS URL or integration endpoint]

Credentials: [Username / Password or API Token]



Test Cases

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
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Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Personalized Lesson Generation	1. Log in as Student 2. Enter a topic (e.g., "Photosynthesis") 3. Click "Generate Lesson"	A tailored lesson with explanation and examples appears		
TC-002	Quiz Generation Based on Mastery	1. Student completes preliminary quiz 2. Click "Generate Quiz"	Quiz questions reflect student proficiency level		
TC-003	LMS Analytics Dashboard	1. Log in as Instructor 2. Apply filter: "Below proficiency" 3. View chart	Correct list of at-risk students with performance data visualized		
TC-004	AI Chat Feedback	1. Ask a question in LMS chat 2. AI responds 3. Check response accuracy and tone	Feedback is accurate, engaging, and educational		
TC-005	Invalid Input Handling	1. Submit empty or malformed input 2. Click "Generate"	System returns a friendly error message		

Bug Tracking

Bug ID	Bug Description	Steps to Reproduce	Severity	Status	Additional Feedback
BG-001	Quiz not tailored to performance	1. Student with high score generates quiz 2. Quiz still contains low-level questions	High	Open	Occurs across Math & Science modules
BG-002	LMS filter UI crashes	1. Teacher applies "All Time" filter 2. Dashboard fails to refresh	Medium	In Progress	Happens when >500 records are loaded