

User Acceptance Testing (UAT) Template

Date

28 June 2025

Team ID

LTVIP2025TMID35893

Project Name

edututor ai: personalized learning with generative ai and lms

Project Overview

- Project Name: Edututor AI

- Project Description:

Edututor AI is an intelligent education assistance platform that leverages the IBM Granite model from Hugging Face to provide AI-powered tutoring support for students. It offers real-time help with academic queries, delivers adaptive learning suggestions, and analyzes user sentiment on educational content.

- Project Version: 1.0

- Testing Period: 19 May 2025 to 30 June 2025

Testing Scope

- Features to Test:

- Chatbot tutoring interface

- Sentiment analysis on content feedback

- API responsiveness

- Real-time adaptive learning suggestions

- User Stories to Test:

- As a student, I want to ask a study-related question and get an instant helpful explanation.

- As an educator, I want to understand how students feel about the provided learning materials.

Testing Environment

- URL/Location:

https://colab.research.google.com/drive/1nvjWvgt4uwl6_ibf3L8zPO7qyQeUwgKC?usp=sharing (deployed via Ngrok)

- Credentials: Not required (public demo)

Test Cases

TC-001: Ask a study-related question

Steps: Type "What is photosynthesis?" and click Submit

Expected: Accurate explanation

Actual: Correct explanation shown

Result: Pass

TC-002: Submit unclear query

Steps: Type "??? What study help" and click Submit

Expected: Error message or fallback

Actual: Generic clarification

Result: Pass

TC-003: Analyze sentiment

Steps: Submit "This tutor is really helpful" and analyze

Expected: Positive

Actual: Correctly labeled

Result: Pass

TC-004: Input without message

Steps: Click Submit with empty field

Expected: Validation error

Actual: Error message shown

Result: Pass

TC-005: Simultaneous inputs

Steps: Submit from two devices

Expected: Handled without crash

Actual: Handled smoothly

Result: Pass

Bug Tracking

BG-001: Delay analyzing feedback

Steps: Enter feedback > Click Analyze > Wait

Severity: Medium

Status: In Progress

Note: Slower on mobile

BG-002: No response on mobile

Steps: Open in mobile > Type query > Click submit

Severity: High

Status: Closed

Note: Fixed in last update

BG-003: Text overflow on mobile

Steps: Enter long query > View response

Severity: Low

Status: Open

Note: UI needs resizing

Sign-off

Tester Name: Dokku Swathi

Date: 28 June 2025

Signature: Swathi

Notes

- Covered both typical and edge cases.
- Feedback led to mobile UI improvement suggestions.
- Bugs tracked with severity and status.
- UAT sign-off after successful test cases.