# User Acceptance Test (UAT) Plan

Project Name: IntelliAssist – AI-Powered Virtual Assistant

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## 1. Introduction

User Acceptance Testing ensures that the IntelliAssist AI-powered virtual assistant meets business and functional requirements before deployment. This plan outlines the testing approach, scenarios, and criteria for acceptance.

## 2. Objectives

Validate the system against project requirements and objectives.  
Ensure usability, efficiency, and responsiveness for users.  
Identify and resolve critical issues before deployment.

## 3. Scope

Focus on User Acceptance Testing (UAT)   
Testing conducted by end users (students and professionals).  
Validate the system’s ability to answer queries, manage tasks, and take notes accurately.  
Ensure smooth interaction through the web-based interface.

## 4. Test Plan Approach

Testing Phases:  
1. Review Business & Functional Requirements – validate system functionality against project scope.  
2. Develop UAT Test Plan – define the testing approach and scenarios.  
3. Identify Test Scenarios – align test cases with user needs.  
4. Develop Test Cases & Expected Results – create structured test cases for validation.  
5. Prepare Test Data – use realistic queries, tasks, and user inputs.  
6. Execute Test Cases – conduct UAT and document results.  
7. Confirm Compliance & Usability – ensure the system meets expectations.

## 5. Test Scenarios & Cases

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| --- | --- | --- |
| Test Case ID | Test Scenario | Expected Result |
| UAT1 | Ask a general knowledge question | AI responds accurately and quickly |
| UAT2 | Create a task and set a reminder | Task is successfully saved and reminder is set |
| UAT3 | Take and retrieve a note | Note is saved and retrievable |
| UAT4 | Access the assistant via web interface | Interface is responsive and user-friendly |
| UAT5 | Ensure system security compliance | No unauthorized access or data leaks |

## 6. Test Data Requirements

Sample user queries and tasks.  
User accounts with different permission levels.  
Various input formats (text, voice commands if applicable).

## 7. Acceptance Criteria

All critical test cases must pass.  
System should be free of major defects.  
Feedback from testers must be positive, ensuring usability and performance.  
Any issues must be documented and prioritized for fixes.

## 8. Test Execution & Reporting

Testers will record results in a shared document.  
Failed tests will be logged, and issue resolution will be documented.  
A final report will summarize overall test success and provide recommendations.