



StudyMate – AI Powered Advanced Quiz Creator

Software Test Report

Submitted by

Syed Muhammad Abubakar Zaidi (1600-2021)

Hanzala Siddiqe (2577-2021)

Supervisor(s)

Asst. Prof. Mr. Osama Ahmed Khan

Senior Lecturer Mr. Waqas Pasha

In partial fulfilment of the requirements for the degree of
Bachelor of Science in Software Engineering
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Faculty of Engineering Sciences and Technology

Hamdard Institute of Engineering and Technology
Hamdard University, Main Campus, Karachi, Pakistan

Software Test Plan and Test Cases

Project Name: StudyMate

Date: June 30, 2025

Version: 1.0

Software Test Plan

The following table describes the test plan and schedule for each screen/module of StudyMate.

S. No	Description	Test Engineer	Start Date	End Date
1	Login Screen	Abubakar	01-Jul-2025	01-Jul-2025
2	Registration Screen	Abubakar	01-Jul-2025	01-Jul-2025
3	Dashboard Screen	Hanzala	02-Jul-2025	02-Jul-2025
4	Note Upload Screen	Hanzala	02-Jul-2025	02-Jul-2025
5	Extracted Content Detail	Abubakar	03-Jul-2025	03-Jul-2025
6	Quiz Generation Screen	Abubakar	03-Jul-2025	03-Jul-2025
7	Quiz Attempt Screen	Hanzala	04-Jul-2025	04-Jul-2025
8	User Profile Screen	Hanzala	04-Jul-2025	04-Jul-2025
9	My Uploaded Content Screen	Abubakar	05-Jul-2025	05-Jul-2025
10	Search and Retrieval	Abubakar	05-Jul-2025	05-Jul-2025

Test Case 1

Project Name: StudyMate

Iteration No: 1

Module Name: Login Screen

Date: 30-Jun-2025

Test Case ID: TC-LOGIN-SCREEN

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open the login page	-	Login form displays correctly	Login form loaded as expected	Pass
2	Enter email and password	Valid credentials	Input fields accept data	Data entered successfully	Pass
3	Click the Login button	-	User is redirected to dashboard	User redirected to dashboard	Pass
4	Verify dashboard welcome message	-	Welcome message shows user's name	Welcome message displayed	Pass

Test Case 2

Project Name: StudyMate

Iteration No: 1

Module Name: Registration Screen

Date: 30-Jun-2025

Test Case ID: TC-REGISTRATION-SCREEN

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open the registration page	-	Registration form loads	Form loaded successfully	Pass
2	Fill in registration details	Valid name, email, password	Fields accept data	Data accepted	Pass
3	Submit the form	-	User account created	Account created successfully	Pass
4	Attempt login with new credentials	New email/password	User logs in successfully	Login successful	Pass

Test Case 3

Project Name: StudyMate

Iteration No: 1

Module Name: Dashboard Screen

Date: 30-Jun-2025

Test Case ID: TC-DASHBOARD-SCREEN

Test Engineer: Hanzala

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Log in to application	Valid credentials	Dashboard loads	Dashboard loaded	Pass
2	Verify summary statistics	-	Counts of notes, quizzes, Q&A displayed	Statistics displayed correctly	Pass
3	Click recent activity items	-	Detailed content view opens	Detail view opened	Pass

Test Case 4

Project Name: StudyMate

Iteration No: 1

Module Name: Note Upload Screen

Date: 30-Jun-2025

Test Case ID: TC-NOTE-UPLOAD-SCREEN

Test Engineer: Hanzala

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to note upload	-	Upload page loads	Upload page displayed	Pass
2	Select handwritten note file	Valid PDF/image	File selected	File selection successful	Pass
3	Click Upload	-	OCR processing starts	Processing initiated	Pass
4	Verify extracted text output	-	Extracted text displayed	Text displayed	Pass

Test Case 5

Project Name: StudyMate

Iteration No: 1

Module Name: Extracted Content Detail

Date: 30-Jun-2025

Test Case ID: TC-EXTRACTED-CONTENT-DETAIL

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open a processed note	-	Extracted text displays	Text displayed	Pass
2	Click Generate Quiz	-	Quiz is generated	Quiz generated	Pass
3	Click Generate Q&A	-	Q&A pairs generated	Q&A generated	Pass

Test Case 6

Project Name: StudyMate

Iteration No: 1

Module Name: Quiz Generation Screen

Date: 30-Jun-2025

Test Case ID: TC-QUIZ-GENERATION-SCREEN

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Access quiz generation page	-	Page loads with input area	Page loaded	Pass
2	Paste or confirm text	Sample text	Text accepted	Text accepted	Pass
3	Select topic or full text	Selected topic	Topic highlighted	Topic selected	Pass
4	Click Generate Quiz	-	Quiz displayed	Quiz displayed	Pass

Test Case 7

Project Name: StudyMate

Iteration No: 1

Module Name: Quiz Attempt Screen

Date: 30-Jun-2025

Test Case ID: TC-QUIZ-ATTEMPT-SCREEN

Test Engineer: Hanzala

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open quiz attempt page	-	Quiz displayed	Quiz displayed	Pass
2	Answer all questions	Selected answers	Answers recorded	Answers saved	Pass
3	Submit quiz	-	Score shown	Score displayed	Pass

Test Case 8

Project Name: StudyMate

Iteration No: 1

Module Name: User Profile Screen

Date: 30-Jun-2025

Test Case ID: TC-USER-PROFILE-SCREEN

Test Engineer: Hanzala

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Access profile page	-	Profile information displays	Profile displayed	Pass
2	Update profile fields	New name, bio, institution	Fields accept data	Data accepted	Pass
3	Upload new avatar	Valid image	Avatar updates	Avatar updated	Pass
4	Save changes	-	Confirmation displayed	Changes saved	Pass

Test Case 9

Project Name: StudyMate

Iteration No: 1

Module Name: My Uploaded Content Screen

Date: 30-Jun-2025

Test Case ID: TC-MY-UPLOADED-CONTENT-SCREEN

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Access uploaded content page	-	List of uploads displayed	Uploads displayed	Pass
2	Search for note	Keyword	Filtered results shown	Search worked	Pass
3	Click to view note	-	Detailed view displays	Detail view displayed	Pass
4	Delete a note	-	Note removed	Note deleted	Pass

Test Case 10

Project Name: StudyMate

Iteration No: 1

Module Name: Search and Retrieval

Date: 30-Jun-2025

Test Case ID: TC-SEARCH-AND-RETRIEVAL

Test Engineer: Abubakar

Test Case Description: Detailed testing of this module

S. No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open content listing	-	All items displayed	Items displayed	Pass
2	Enter search keyword	Keyword	Matching results shown	Results displayed	Pass
3	Clear search	-	Full list reloads	List reloaded	Pass