User Stories

- **Must-have:** Non-negotiable essentials for the project. These are the features and functionalities that add defining value to the project: the '*search*' to one's *Google*, or the '*share*' to one's Facebook.
- **Should-have:** Valuable features that enhance functionality. These may add value to the product but are not necessarily implemented from the very first iteration.
- **Could-have:** Desirable but not critical. These features are 'nice to have' but their absence does not make the system less useful or functional. Can be implemented after everything else is in place.
- **Won't-have:** Excluded from the current scope.

Jacob's User Stories

Learning assistance for the student
As a **student**
I want a **an AI tutor to provide step-by-step explanations**
so that **I can understand difficult concepts better**
Acceptance Criteria
Given **that I ask a question**
When I **submit to the AI tutor**
Then **it should provide a structure explanation in simple terms**

Instant Question Answering
As a **student**
I want **to ask the AI tutor a question and receive an immediate response**
so that **I don't have to wait for help**
Acceptance Criteria
Given **that I enter a question**
When I **press the submit the button**
Then **the AI tutor should generate a relevant answer within seconds**

Personalized learning path
As a **student**
I want **the AI tutor to track my progress and suggest lessons**
so that **I can improve efficiently**
Acceptance Criteria
Given **that I have completed multiple lessons**
When I **access my learning dashboard**
Then **the AI tutor should recommend lessons based on my weak areas**

Quiz and instant feedback
As a **student**
I want **to take quizzes and get instant feedback**
so that **I can assess my understanding**
Acceptance Criteria
Given **that I complete a quiz**
When I **submit my answers**

Then **it should display my score and explain incorrect answers**

Exam preparation
As a **student**
I want a AI **tutor to generate mock tests based on my syllabus**
so that **I can practice before exams**
Acceptance Criteria
Given **that I select a subject**
When I **start a mock test**
Then **the system should generate a test and evaluate my performance**

Topic Summarization
As a **student**
I want a AI **tutor to summarize complex topics**
so that **I can understand them quickly**
Acceptance Criteria
Given **that I request a summary of a topic**
When I **receive the response**
Then **it should provide key points to concise format**

Student progress Tracking
As a **teacher**
I want a **to view my students' learning progress**
so that **I can identify areas where they need help**
Acceptance Criteria
Given **that I log into my teacher dashboard**
When I **select a student**
Then **I should see their progress, quiz scores, and weak areas**

Custom assignments
As a **teacher**
I want a to **create custom quizzes and assignments**
so that **I can assess my students' learning**
Acceptance Criteria
Given **that I am on the quiz creation page**
When I **add questions and set difficulty levels**
Then **the AI tutor should generate a structured quiz for my students**

User Management
As an **administrator**
I want to **manage user accounts and permissions**
so that **I can control access to the platform**
Acceptance Criteria
Given **that I am on the admin panel**
When I **modify user roles**
Then **their access should update accordingly**

Offline Mode
As a **user**
I want to **download lessons and quizzes**
so that **I can study without an internet connection**
Acceptance Criteria
Given **that I enable offline mode**
When I **lose internet access**
Then **I should be able to access downloaded content**

Jack's User Stories
Checking student progress-
User Story:
As a student
I want to track my progress
So that I can see how well I'm doing
Acceptance Criteria:
Given that a student wants to check their progress
When they click on the progress page
Then the student can see how they're going

Difficulty changing-
User Story:
As a student
I want to set the difficulty higher
So that I can challenge myself.
Acceptance Criteria:
Given that a student wants to make the quiz harder
When they change the difficulty setting
Then the student can challenge themself

Analysing quiz data-
User Story:
 As a university student
I want to have my results analysed
So, I can see how well I'm doing
Acceptance Criteria:
Given that a student wants to have all their tests analysed
When they enter the progress and analysis page
Then the student will receive an in-depth analysis on their progress

<*>Making an account-
User Story:
As a student
I want to make an account
So, I can access my profile and use the app
Acceptance Criteria:

Given that a student wants to make an account
When they enter their credentials
Then the student will have created an account and have access to the full app

Deleting an account-
User Story:
As a university student
I want to delete my account
So, I can be off the app
Acceptance Criteria:
Given that a student wants to be taken off the app
When they delete their account through their profile page
Then the student will have their data deleted and will now not exist in the app's database

Quizzing-
User Story:
As a student
I want to do a quiz
So, I can test my understanding
Acceptance Criteria:
Given that a student wants to do a quiz
When they select their subject, difficulty and press start quiz
Then the student can partake in a quiz

Change Password-
User Story:
As a student
I want to change my password
So, I can login to my account
Acceptance Criteria:
Given that a student forgets their password
When they click the password recover option on the sign in page
Then the student can change their password through an email link

Viewing details-
User Story:
As a student
I want to view my profile
So, I can see my details.
Acceptance Criteria:
Given that a student wants to see their details
When they enter their profile page
Then the student can see the details they signed up with

Selena's User Stories
Daily Learning Streaks

User Story
As a student,
I want to track my daily learning streaks,
So that I stay motivated to learn every day.
Acceptance Criteria
- Given that I log in and complete a learning activity,
- When I view my dashboard,
- Then I should see how many consecutive days I've studied.

Bookmarking Lessons
User Story
As a student,
I want to bookmark important lessons,
So that I can easily revisit them later.
Acceptance Criteria
- Given that I'm viewing a lesson,
- When I click the bookmark icon,
- Then the lesson should be saved in my bookmarks list.

Question Flagging
User Story
As a student,
I want to flag confusing quiz questions,
So that I can review or report them later.
Acceptance Criteria
- Given that I'm taking a ququiz,
- When I click the flag icon on a question,
- Then it should be saved to my review list or reported to support

Customizing Course Folders with Colours
User Story
As a student,
I want to assign different colours to my course folders,
So that I can Visually organize and quickly identify them
Acceptance Criteria
- Given that I am viewing my course folders,
- When I click on a folder's settings or customization icon,
- Then I should be able to select and apply a colour from a pallet
- And when I return to the course list,
- Then the folder should be displayed in the selected colour

Generate Quizzes from My Study Materials
User Story

As a student,

I want to upload or paste my study materials in different formats,

So that the AI tutor can automatically generate quizzes from them

Acceptance Criteria

- Given that I upload a study file (PDF, DOCX, TXT, PNG) or paste content,
- When I submit the material for quiz generation,
- Then the AI tutor should analyse the content and create a set of relevant quiz questions

Access to Past Quizzes

User Story

As a student,

I want to view my previous quizzes,

So that I can review wheat I've learned and what I missed

Acceptance Criteria

- Given that I go to my selected Course folder,
- I should see all past and current quizzes stored in there

Visual Progress Charts

User Story

As a student,

I want to see a visual representation of my learning progress,

So that I can quickly understand how I'm doing

Acceptance Criteria

- Given that I Access dashboard,
- When I open the progress tab,
- Then I should see a chart showing my quiz scores

Create My Own Questions

User Story

As a student,

I want to create and answer my own quiz questions,

So that I can test myself based on what I find difficult.

Acceptance Criteria

- Given that I am creating a quiz,
- When I enter my own questions and answers,
- Then the system should let me take that quiz and track my results

Sort and Organize My Lessons

User Story

As a student,

I want to organize my lessons by topic or date,

So that I can easily find what I need

Acceptance Criteria

- Given that I'm viewing my lesson list,

- When I choose a sort or filter option,
- Then the lessons should rearrange accordingly

<*>User Account Sign-Up and Login
User Story
As a user, I want to be able to sign up and log in to my own account,
So that I can access my personal data and use the software securely
Acceptance Criteria
- Given that I have the software opened up,
- When I click "Sign Up",
- The I should be able to create an account using my email and password.
- Given that I already have an account,
- When I click "Login: and enter valid credentials,
- Then I should be logged in and the software's features should be accessible

Create Quizzes for Multiple Subjects
User story
As a student,
I want to create quizzes for different subjects,
So that I can prepare for each one individually
Acceptance Criteria
- Given that I select or create a subject,
- When I click "Create Quiz",
- The I should be able to generate or build a quiz specifically for that subject

Access All Subjects and Quizzes in One Place
User Story
As a student,
I want to access a page that shows all my subjects and related quizzes in one place,
So that i can easily navigate between subjects and manage my quizzes without confusion
Acceptance Criteria
- Given that i log into my account,
- When I open the "Courses" page,
- The I should see a list/ grid of all the subjects I've added/Created
- And when i click on a subject,
- Then I should see all the quizzes linked to that subject

Homepage for easy navigation
User Story
As a user,
I want to see a clear and organised homepage when i Log in,
So that i can easily access my subjects, quizzes, progress, and profile
Acceptance Criteria
- **Given that i have logged into my account,**
- **When i land on the homepage,**

- **Then i should see key sections such as "Courses", "Progress", "Profile", "Create Quiz", "Quiz of the Day"**
- **And when i click on any section,**
- **Then i should be taken directly to that part of the app**

Memorable Logo for Branding

User Story

As a user,

I want the platform to have a memorable and recognisable logo,

So that i can easily identify the app and feel connected to the brand

Acceptance Criteria

- Given that I open the app/. Website,
- When I view the top navigation bar or loading screen,
- Then I should see a professionally designed logo that represents the app,
- And when i see the logo elsewhere,
- Then i should immediately associate it with the platform

Student Progress Page

User Story

As a student, I want to view a page that displays my learning progress,

So that I can track my performance and understand where I need to improve.

Acceptance Criteria

- Given that I log into my account,
- When I navigate to the "Progress" page,
- Then I should see my average quiz scores, number of quizzes I completed, the time I took to answer each question, Quiz performance, strengths and weaknesses

Jason's User Stories

Daily study reminders

User Story

As a student,

I want to receive daily study reminders,

So that I can maintain a consistent learning routine

Acceptance Criteria

- Given that I set reminder times following my preferences,
- When the scheduled time arrives,
- Then I should receive a notification reminding me to study

Peer Comparisions

User Story

As a student,

I want to compare my performances made in quizzes where the average scores could be compared with other users,
So that I know where I stand
Acceptance Criteria
- Given that I complete the quiz,
- When I view the results,
- Then I should see how my average score compares to other users' average scores

Progress-based rewards
User Story
As a student,
I want to earn achievements based on my progress,
So that I feel motivated and seen for my achievements
Acceptance Criteria
- Given that I complete several tasks (using the application continuously and creating a streak / a certain number of quizzes done),
- When I view my profile,
- Then I should see the achievements earned for those tasks

All senses learning mode
User Story
As a student with different learning preferences,
I want a mode that combines text, audio and visuals in quizzes and feedback,
So that I can better retain information
Acceptance Criteria
- Given that I start a quiz,
- When I click "All senses mode",
- Then the app should include questions with narration, interactive features and images

Last minute refresher
User Story
As a student before a test or an exam,
I want a "Recap mode",
So that I can get a fast summary of the key points under time pressure
Acceptance Criteria
- Given that I click "Recap mode" on a topic,
- When I begin the mode,
- Then I should get a summary of important concepts and rapid-fire questions

Weekly summary report
User Story
As a student,
I want a weekly report that shows study durations, best/worst topics, accuracy,
So that I can evaluate my progress

Acceptance Criteria
- Given that a week has passed,
- When I check my report,
- Then I should display time spent, average scores and topics that may need improvements

Dark mode
User story
As a student,
I want a dark mode option,
So that I can study comfortably in low-light environments
Acceptance Criteria
- Given that I am using the app,
- When I go to the settings and enable dark mode,
- Then the app should display a theme having a dark colour scheme

Calendar sync
User story
As a student,
I want my learning schedule to be able to sync with the calendar of my choice (device calendar / google calendar),
So that I can stay organized
Acceptance Criteria
- Given that I have a learning schedule,
- When I connect my device account / google account and enable calendar sync,
- Then the upcoming study sessions should appear there

<*>Quiz and instant feedback
User story
As a student,
I want to take quizzes and be able to get instant feedback,
So that I can assess my understanding
Acceptance Criteria
- Given that I complete a quiz,
- When I submit my answers,
- Then it should display my score and explain each answer

Classroom collaboration mode
User story
As a teacher,
I want to launch group quizzes for the class,
So that my students can collaborate and participate in real time
Acceptance Criteria
- Given that I'm logged in as a teacher,
- When I initiate a classroom quiz,

- Then students should be able to join using a code and answer the questions together

<u>**Toms User Stories**</u>

Study & Learning Experience

Daily Study Reminders

User Story:
As a student,
I want to receive customizable daily study reminders,
So that I can build and maintain a consistent learning habit.

Acceptance Criteria:

- Given that I've set a preferred study time,
- When the time arrives,
- Then I should receive a notification to begin studying.

All-Senses Learning Mode

User Story:
As a student with diverse learning preferences,
I want quizzes and feedback to include audio, visuals, and text,
So that I can engage with content more effectively.

Acceptance Criteria:

- Given that I enable "All-Senses Mode,"
- When I take a quiz,
- Then I should see images, hear audio prompts, and read text together.

Recap / Last-Minute Refresher Mode

User Story:
As a student preparing for a test,
I want a "Recap mode" with summarized content,
So that I can revise key points quickly.

Acceptance Criteria:

- Given that I activate "Recap mode,"
- When it begins,

- Then I should receive summarized concepts and rapid-fire questions.

Progress Tracking & Motivation

Progress-Based Rewards

User Story:
As a student,
I want to earn badges or rewards based on my learning progress,
So that I stay motivated.

Acceptance Criteria:

- Given that I meet milestones (e.g., streaks, completed quizzes),
- When I view my profile,
- Then I should see unlocked rewards and achievements.

<*>5. Weekly Summary Report

User Story:
As a student,
I want to receive weekly reports on my learning,
So that I can reflect on my performance and areas of improvement.

Acceptance Criteria:

- Given that a week has passed,
- When I view the summary,
- Then I should see time spent, topics covered, and performance stats.

<*> Feedback & Assessment

6. Quiz with Instant Feedback

User Story:
As a student,
I want to receive immediate feedback after quizzes,
So that I can learn from my mistakes instantly.

Acceptance Criteria:

- Given that I finish a quiz,

- When I submit answers,
- Then I should get a score and detailed explanations.

Peer Performance Comparison

User Story:
As a student,
I want to compare my quiz performance with peers,
So that I know how I'm doing relatively.

Acceptance Criteria:

- Given that I complete a quiz,
- When I view results,
- Then I should see class or global average scores beside mine.

Classroom & Teacher Features

Classroom Collaboration Mode

User Story:
As a teacher,
I want to launch real-time collaborative quizzes,
So that students can engage and learn together.

Acceptance Criteria:

- Given that I start a group quiz,
- When students enter a code,
- Then they should be able to participate live.

Final User Stories (Transfer to PM tool):

Database Connection
User Story:
As a user,
I want my personal information (like name, email, and password) to be securely saved in the system's database when I sign up,
so that I can log in later and have my profile and details available across different sessions.
Acceptance Criteria
When I complete the sign-up form and press "Sign Up," my details should be saved into the database

under the correct table (e.g., users table).
My information should be stored with fields such as ID, First Name, Last Name, Email, and Password.
When I log in later, the system should retrieve my information from the database and display my name, email, and other profile details.
My password should be stored securely
If I delete my account, my information should be removed from the database permanently.

User Account SignUp and Login
User Story
As a user, I want to be able to sign up and log in to my own account,
So that I can access my personal data and use the software securely
Acceptance Criteria
Given that I have the software opened up,
When I click "Sign Up",
The I should be able to create an account using my email and password.
Given that I already have an account,
When I click "Login: and enter valid credentials,
Then I should be logged in and the software's features should be accessible

Home Page Setup
User Story
As a user,
I want to see a clear and organised homepage when I Log in,
So that I can easily access my subjects, quizzes, progress, and profile
Acceptance Criteria
Given that I have logged into my account,
When I land on the homepage,
Then I should see key sections such as "Courses", "Progress", "Profile", "Create Quiz", "Quiz of the Day"
And when I click on any section,
Then I should be taken directly to that part of the app

Course Page Setup
User Story
As a student,
I want to access a page that shows all my subjects and related quizzes in one place,
So that I can easily navigate between subjects and manage my quizzes without confusion
Acceptance Criteria
Given that I log into my account,
When I open the "Courses" page,
The I should see a list/ grid of all the subjects I've added/Created
And when i click on a subject,
Then I should see all the quizzes linked to that subject

Progress Page Setup
User Story
As a student, I want to view a page that displays my learning progress,
So that I can track my performance and understand where I need to improve.
Acceptance Criteria
Given that I log into my account,
When I navigate to the "Progress" page,
Then I should see my average quiz scores, number of quizzes I completed, the time I took to answer each question, Quiz performance, strengths and weaknesses

Profile Page Setup
User Story:
As a student
I want to view my profile
So, I can see my details.
Acceptance Criteria:
Given that a student wants to see their details
When they enter their profile page
Then the student can see the details they signed up with

AI Quiz Generation
User Story
As a student,
I want to upload or paste my study materials in different formats,
So that the AI tutor can automatically generate quizzes from them
Acceptance Criteria
Given that I upload a study file (PDF, DOCX, TXT, PNG) or paste content,
When I submit the material for quiz generation,
Then the AI tutor should analyse the content and create a set of relevant quiz questions

Customizable Quiz Settings
User Story:
As a student
I want to set the difficulty higher
So that I can challenge myself.
Acceptance Criteria:
Given that a student wants to make the quiz harder
When they change the difficulty setting
Then the student can challenge themself

Progress Tracking and Performance Analysis
User Story:
As a university student
I want to have my results analysed
So, I can see how well I'm doing
Acceptance Criteria:
Given that a student wants to have all their tests analysed
When they enter the progress and analysis page
Then the student will receive an in-depth analysis on their progress

Personalised Feedback and Recommendation
User Story:
As a user,
I want to be able to track my progress through various tasks and see performance analysis,
so that I can monitor my learning and identify areas where I need improvement.
Acceptance Criteria:
The system should display the percentage of progress the user has completed for each task or course.
The system should show statistics such as the number of tasks completed, average time spent, and scores achieved.
I should be able to view my progress in a clear, easy-to-read format (e.g., bar charts, progress bars, or pie charts).
The progress tracking should be updated in real-time or after each task completion.
My progress should be saved, so that I can pick up where I left off the next time I log in.
The system should notify me when I reach certain milestones, such as completing 50% of a course.

Account Deletion
User Story:
As a university student
I want to delete my account
So, I can be off the app
Acceptance Criteria:
Given that a student wants to be taken off the app
When they delete their account through their profile page
Then the student will have their data deleted and will now not exist in the app's database

Memorable Logo
User Story
As a user,
I want the platform to have a memorable and recognisable logo,
So that i can easily identify the app and feel connected to the brand
Acceptance Criteria
Given that I open the app/. Website,
When I view the top navigation bar or loading screen,
Then I should see a professionally designed logo that represents the app,
And when i see the logo elsewhere,
Then i should immediately associate it with the platform

Numerical and Visual Representation of Progress
User Story
As a student,
I want to see a visual representation of my learning progress,
So that I can quickly understand how I'm doing
Acceptance Criteria
Given that I Access dashboard,
When I open the progress tab,
Then I should see a chart showing my quiz scores

Subject Deletion
User Story
As a user,
I want to be able to delete a subject that i no longer need or want,
So that i can keep my list of subjects organised and relevant to my current learning needs.
Acceptance Criteria
I should see a delete option next to each subject I have added
When I click delete, the system should ask for confirmation before permanently removing the subject
After confirming, the subject should be immediately removed from my list and from the database.
Deleting a subject should also remove associated progress tracking data related to that subject.
I should receive a success message confirming the deletion.

Access to Past Quizzes
User Story
As a student,
I want to view my previous quizzes,

So that I can review wheat I've learned and what I missed

Acceptance Criteria

Given that I go to my selected Course folder,

I should see all past and current quizzes stored in there

Account Logout

User Story

As a user,

I want to be able to securely log out of my account,

so that my information is protected when I leave the application.

Acceptance Criteria

There should be a clearly visible logout button accessible from the navigation menu or profile section.

Clicking the logout button should end my current session and redirect me to the login page.

My session data (e.g., stored user ID) should be cleared on logout.

I should receive a confirmation message or be redirected immediately after logging out.

Change Account Password

User Story

As a user,

I want to change my password at any time,

so that I can maintain the security of my account if needed.

Acceptance Criteria

I should be able to access a password change form in the Edit Profile or Account Settings area.

The form should require me to enter my current password, new password, and confirm the new password.

The system should verify that my current password is correct before updating to the new password.

The new password should be validated for security (e.g., minimum 6 characters, includes numbers or symbols if required).

After successfully changing my password, I should receive a success message.

If the passwords do not match or the current password is wrong, I should receive an appropriate error message.

Aesthetic Colour Design

As a user,

I want the application to have a consistent and aesthetically pleasing color scheme,

So that my experience feels enjoyable, professional, and easy on the eyes while using the app.

Acceptance Criteria

The colour scheme should be consistent across all screens (e.g login, home, courses, progress, profile.

Primary, secondary and accent colours should be selected to complement each other and maintain readability

Background colours should contrast well with text and buttons to ensure accessibility

The colour palette should reflect the app's tone (e.g., soft purples and whites for an educational and calm feel).

Customisable Visuals

User Story
As a student,
I want to assign different colours to my course folders,
So that I can Visually organize and quickly identify them
Acceptance Criteria
Given that I am viewing my course folders,
When I click on a folder's settings or customization icon,
Then I should be able to select and apply a colour from a pallet
And when I return to the course list,
Then the folder should be displayed in the selected colour

Progress-Based Rewards

User Story:
As a student,
I want to earn badges or rewards based on my learning progress,
So that I stay motivated.

Acceptance Criteria:

- Given that I meet milestones (e.g., streaks, completed quizzes),
- When I view my profile,
- Then I should see unlocked rewards and achievements.