CAB302 ★ 🔒 Private   Board   ▯▯▯ Board ⌄

Stories - Nic

As a user looking for daily inspiration, I want to select my personality traits from a dropdown menu, so that I receive a motivational quote tailored to me. Given I am on the quote generation page, When I select my personality traits and click to Generate a Quote, Then I see a motivational quote that resonates with my selected traits.

As a user trying to build better habits, I want to choose my current habits from a list, so that I get a quote or fact that encourages me to stay on track or improve. Given I have selected my habits from the dropdown, When I submit my choices, Then I receive a motivational message or scientific fact related to habit formation.

As a professional seeking career advice, I want to input my job role and career goals, so that I get a quote or tip that aligns with my professional growth. Given I have entered my job field and aspirations, When I request a quote, Then I receive a motivational or insightful message relevant to my career path.

As a curious user who loves learning new things, I want to pick my topic of interest from a list, so that I get an interesting fact instead of just a motivational quote. Given I have selected chosen to receive a fun fact and selected interests, When I

generate a message, Then I receive a surprising or educational fact related to my selections.

As a new user, I want to create an account with my email and password, so that my preferences and favourite quotes are saved for future visits. Given I am on the registration page, When I enter a valid email and password, then click "Sign Up," Then my account is stored in the database, and I receive a confirmation email.

As a social media user, I want an option to easily share my generated quote or fact, so that I can post it on my timeline. Given I have received a quote, When I click the "Share" button, Then I see options to copy the text or share directly to social media.

As a registered user, I want to log in with my credentials, so that I can access my saved quotes and preferences. Given I am on the login page, When I enter my correct email and password, Then I am redirected to my dashboard with personalized content.

As a logged-in user, I want to select my personality traits so that the AI generates a unique motivational quote tailored to me. Given I am logged in and on the quote generator page, When I select my traits/habits and click "Generate Quote," Then the AI processes my inputs and displays a unique quote (stored in the database with my user ID).

As a user who loves certain quotes, I want to save my favourite AI-generated quotes to my profile, so that I can revisit them later. Given I have received a generated quote, When I click "Save to Favorites," Then the quote is linked to my account in

the database and appears in my "Saved Quotes" section.

As a frequent user, I want to see a history of all quotes generated for me, so that I can reflect on past motivation or reuse them. Given I am logged in, When I visit my dashboard, Then I see a chronological list of all my past AI-generated quotes.

As a user who enjoys learning, I want to input my interests, so that the AI delivers a surprising fact instead of a quote. Given I selected "Fun Fact" mode and my interests, When I request a fact, Then the AI generates and stores a fact in the database tied to my account.

As a forgetful user, I want to reset my password via email, so that I can regain access to my account. Given I clicked "Forgot Password," When I enter my email and follow the reset link, Then I can set a new password, and the database updates my credentials.

As a user who switches between phone and laptop, I want my quotes and preferences to sync across devices when I log in, so that I have a consistent experience. Given I saved a quote on my phone, When I log in on my laptop, Then I see the same saved quotes and preferences.

As a student needing motivation, I want to receive a random fun prediction, so that I feel excited to start my study session. Given I'm logged in and on the dashboard, When I click "Get Today's Prediction," Then I see a playful, AI-generated prediction with a fortune cookie animation.

As a student tracking my habits, I want to log my study hours and goals, so that the AI tailors

quotes/facts to my progress. Given I've set a weekly study goal, When I update my progress in the app, Then the AI generates encouragement based on my milestones (stored in the database).

As a user who enjoys visual feedback, I want a cute fortune cookie animation when my quote/prediction loads, so that the experience feels playful and rewarding. Given I've requested a quote or prediction, When the AI finishes generating it, Then a fortune cookie opens on-screen to reveal the message.

As a student building consistency, I want to see a streak counter for daily quote/prediction usage, so that I'm motivated to return. Given I've opened the app consecutively for 3+ days, When I check my profile, Then I see my streak and a celebratory animation.

As a user who loves personalization, I want to pick a fun theme for my quotes, so that the UI and AI messages match my vibe. Given I'm in my profile settings, When I select a theme, Then the app's colours/icons and AI tone adapt.

As a competitive student, I want to complete mini challenges so that I earn fun predictions or badges. Given I've opted into challenges, When I finish a task, Then the AI celebrates me with a badge and prediction.

As a social learner, I want to share my streaks/fun predictions on social media, so that friends can join the app. Given I've earned a streak or funny prediction, When I click "Share," Then I get a colourful image to post.

As a procrastinating student, I want a "Quick Pep Talk" button on the home screen, so that I get instant AI

encouragement without inputs.
Acceptance Criteria: Given I'm on the
home screen, When I tap the button,
Then the AI generates a snappy
message.

Stories - Zane

As a student user, I want to be
able to accurately track my time
spent studying, to help inform my
study habits. Given that I am on
the home page/dashboard, I
should be able to see clearly how
many hours I have studied in a
particular time period(that day,
this week etc.)

As a user, I want a feature that
allows me to change my user
details such as my username,
email, password and study habits
so that my information more
accurately represents me. Given
that I have created an account,
when I select the account settings
feature, I am then able to adjust
my information accordingly.

As a user, I want to be able to
study without distractions while
using the apps features. When I
am on the homepage/dashboard
I should be able to enable a study
mode, limiting the amount of
distracting features so that I can
study effectively.

User stories - Jayden

As a User, I want to register for an
account so that I can use the app.

≡

As a User, I want to log in to an
account so that I can use the app.

≡

As a User, I want to know what AI is generating the quotes.

≡

As a User, I want to know my personal data is being kept safe.

≡

As a User, I want to choose the genre/subject of motivational quotes I receive.

≡

As a Student, I want resources to help me with my studies.

≡

As a Student, I want the site to track my study progress.

≡

As a Student, I want personalized study tips and advice.

≡

As a Student, I want reminders to study.

≡

As a User, I want to save my favorite fortune cookie messages.

Stories - Sylas

As a user, I want to be able to rate the usefulness of study tips, so that the app can provide better suggestions in the future.

As a user, I want the app to offer tips for managing stress, so that I can stay calm and focused while preparing for exams.

As a user, I want the app to provide a motivational quote

along with the study tip, so that I can stay inspired to study.

As a user, I want to be able to save my favorite study tips in a list, so that I can revisit them later when I need a reminder.

Stories - AP

As a student and a user, I want to interact with fellow students who are a lot alike me in terms of motivation and study fields.

As a user, I want to upload my schedule of exams or other events so that I can get cookies for academic encouragement during exams and confidence and motivation quotes before any events or performances.

As a user, I want the app to recognize stressful periods like assignment deadlines from the uploaded schedule to give me more relevant cookies to keep me motivated without asking for it.

As a user, I want to upload my whole sleeping schedule of different days of weeks considering my work days and uni days. So, when I wake up, I get a fresh motivating cookie and help me develop a good habit.

As a user, I want to upload my part-time job information so that it could give me some motivation every time before going to job.

As a user, I want to upload my work and uni days on the app so that I can get precise cookies on work days and uni days, respectively.

As a user, I would like to share my fortune cookies with my network I

create on the app.

As an international student, I want to see fortunes in my preferred language so that I can understand them easily.

As an international student, I want to have some of my cultural blend in the cookies so that I feel a lot like myself on the app. For example, some relation or context to heroes or great leaders of the past from my country.

As a blind student, I want the app to be screen reader compatible and also control the features and options using voice control.

As a student, I want the app to track my progress by asking for the projects I am working on and also uploading the amount of syllabus pending or done to get some detailed progress report every week.

As a user, I want a human-like experience so I want to create my own avatar to have a more human like experience or something like a virtual mentor who gives me a good note at every start of the day instead of just a text being displayed on the screen.

As a user, I want to change the gender and voice of the avatar and make it one that I feel more related to.

Final User Stories/ Product Backlo

Must Have

(3) As a new user, I want to create an account with my email and password, so that my preferences and favourite quotes are saved for future visits. Given I am on the

registration page, When I enter a valid email and password, then click "Sign Up," Then my account is stored in the database, and I receive a confirmation email.

(3) As a user trying to build better habits, I want to choose my current mood and topic from a list, so that I get a quote or fact that encourages me to stay on track or improve. Given I have selected my topic from the dropdown, When I submit my choices, Then I receive a motivational message or scientific fact related to habit formation.

(2) As a forgetful user, I want to reset my password via email, so that I can regain access to my account. Given I clicked "Forgot Password," When I enter my email and follow the reset link, Then I can set a new password, and the database updates my credentials.

(2) As a registered user, I want to log in with my credentials, so that I can access my saved quotes and preferences. Given I am on the login page, When I enter my correct email and password, Then I am redirected to my dashboard with personalized content.

(1) As a user, I want a feature that allows me to change my user details such as my username, email, password and study habits so that my information more accurately represents me. Given that I have created an account, when I select the account settings feature, I am then able to adjust my information accordingly.

(2) As a social media user, I want an option to easily share my generated quote or fact, so that I can post it on

my timeline. Given I have received a quote, When I click the "Share" button, Then I see options to copy the text or share directly to social media.

(4) As a curious user who loves learning new things, I want to pick my topic of interest from a list, so that I get an interesting fact instead of just a motivational quote. Given I have selected chosen to receive a fun fact and selected interests, When I generate a message, Then I receive a surprising or educational fact related to my selections.

(2) As a user who loves certain quotes, I want to save my favourite AI-generated quotes to my profile, so that I can revisit them later. Given I have received a generated quote, When I click "Save to Favorites," Then the quote is linked to my account in the database and appears in my "Saved Quotes" section.

(2) As a student needing motivation, I want to receive a random fun prediction, so that I feel excited to start my study session. Given I'm logged in and on the dashboard, When I click "Get Today's Prediction," Then I see a playful, AI-generated prediction with a fun animation.

(1) As a student building consistency, I want to see a streak counter for daily quote/prediction usage, so that I'm motivated to return. Given I've opened the app consecutively for 3+ days, When I check my profile, Then I see my streak and a celebratory animation.

(2) As a social learner, I want to share my streaks/fun predictions on social media, so that friends can join the app. Given I've earned a streak or funny prediction, When I click

"Share," Then I get a colourful image to post.

Could Have

(1) As a user, I want to be able to rate the usefulness of study tips, so that the app can provide better suggestions in the future. Given I am viewing a study tip, when I rate its usefulness, then the rating is saved and used to improve future tip suggestions.

(2) As a student tracking my habits, I want to log my study hours and goals, so that the AI tailors quotes/facts to my progress. Given I've set a weekly study goal, When I update my progress in the app, Then the AI generates encouragement based on my milestones (stored in the database).

(1) As a User, I want to know what AI is generating the quotes. Acceptance Criteria: There should be a section within the app where users can view the AI system (ChatGPT, Deepseek, etc) generating the fortune cookie messages. A brief explanation of the AI technology and how it generates personalized motivational quotes will be available. This feature is for transparency.

(1) As a Student, I want reminders to study. Acceptance Criteria: The app should allow the user to set study reminders with customizable times and frequencies (e.g., daily, weekly). Push notifications or in-app reminders will prompt the user to start studying. Users can choose whether they want reminders to be motivational or simply practical. Additionally, a calendar can be implemented to remind students when their assessment items are due.

(1) As a frequent user, I want to see a history of all quotes generated for

me, so that I can reflect on past motivation or reuse them. Given I am logged in, When I visit my dashboard, Then I see a chronological list of all my past AI-generated quotes.

(4) As a user, I want a human-like experience so I want to create my own avatar to have a more human like experience or something like a virtual mentor who gives me a good note at every start of the day instead of just a text being displayed on the screen. Given I am using the app, when I first set up my profile or go to the customization section, then I should be able to create or select a personalized avatar (or virtual mentor) who delivers a daily motivational message in a human-like way (e.g., speech bubble, animation, or voice).

Won't Have

(2) As a user, I want the app to offer tips for managing stress, so that I can stay calm and focused while preparing for exams. Given I am using the app, when I navigate to the stress management section (or relevant part of the app), then I should see a curated list of practical tips for managing stress during exam preparation.

(3) As a curious user who loves learning new things, I want to pick my topic of interest from a list, so that I get an interesting fact instead of just a motivational quote. Given I have selected chosen to receive a fun fact and selected interests, When I generate a message, Then I receive a surprising or educational fact related to my selections.

(2) As a user who enjoys visual feedback, I want a cute fortune cookie animation when my quote/prediction loads, so that the

experience feels playful and rewarding. Given I've requested a quote or prediction, When the AI finishes generating it, Then the quote tis revealed on screen

(4) As a User, I want to choose the genre/subject of motivational quotes I receive. Acceptance Criteria: The app should allow users to select specific genres or subjects (e.g., academic success, perseverance, mental well-being). The app should also allow users to choose specific subjects that they are working on. The app will generate motivational messages based on the chosen genres. The user can modify these preferences anytime via the settings page.

Draft UIs

Nic - See attachment

📎 1

Jayden - See attachment

📎 4

Sylas

📎 4

Zane

📎 3

Final UI Notes

Notes & Ideas:

1. Creating and storing and account - Needs Username/Email and password - Needs study information (hours, area, expertise level) - Once this previously mentioned data is inputted it needs to be stored (initially locally, then once the feature is fully developed consider working on the database implementation.) - Be able to log out and then log back in on that same created account.

2. Home page - Should have functionality that displays a motivational quote - Various other buttons which lead to settings, social feed, etc. - Button to activate study mode which reduces distracting features and displays a timer which notes study breaks and overall time spent studying - Functionality displaying a study streak, tie this in to the study mode button

4. Study page - Pressing the study button might instead take user here where user can alter the study session (study technique etc.) - Functionality to display another different quote or fortune - Functionality to save displayed quote in a database

5. Study vault - Contains saved quotes from the study page - Connected to the created database

6. Social page - Users are able to post their study stats at the end of a study session. - Other users who login should be able to see the posted stuff from the first user on the social page

7. Designed to be a mobile app 1242 × 2208 frame

Sprint 1 Plan (Week 5-7)

✅ All group members to ideate potential UI designs - Due 07/04 - As a group we will go through each design and decide what we like, and which approach we want to take

✅ Assign weights to each user story based on how difficult they will be to implement

✅ All group members to ideate at least 20 individual user stories - Due 02/04 - As a group we will go through each design and decide what we like and categorise them into MoSCoW

✅ Present findings in practical class on 09/04/2025

Sprint 2 Plan (Week 7-9)

✅ Sprint Goal: Preparation for checkpoint 3 - Implementation of basic app functionality - 12 Units to Complete

✅ Tasks: Implement database, Unit tests, Preliminary UI, Sign In/Up, Basic Function

User Stories to Complete:

✅ (3) As a new user, I want to create an account with my email and password, so that my preferences and favourite quotes are saved for future visits. Given I am on the registration page, When I enter a valid email and password, then click "Sign Up," Then my account is stored in the database, and I receive a confirmation email.

✅ (2) As a registered user, I want to log in with my credentials, so that I can access my saved quotes and preferences. Given I am on the login page, When I enter my correct email and password, Then I am redirected to my dashboard with personalized content.

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chosen to receive a fun fact and selected interests, When I generate a message, Then I receive a surprising or educational fact related to my selections.

(3) As a user trying to build better habits, I want to choose my current mood and topic from a list, so that I get a quote or fact that encourages me to stay on track or improve. Given I have selected my topic from the dropdown, When I submit my choices, Then I receive a motivational message or scientific fact related to habit formation.

Sprint Plan 3 (Week 10-12)

Sprint Goal: Achieve realistic user experience & Functionality - 12 Units to Complete

Tasks: Additions to database, AI implementation, Improved UI, Additional Functionality

User Stories to Complete:

(2) As a user who loves certain quotes, I want to save my favourite AI-generated quotes to my profile, so that I can revisit them later. Given I have received a generated quote, When I click "Save to Favorites," Then the quote is linked to my account in the database and appears in my "Saved Quotes" section.

(2) As a student needing motivation, I want to receive a random fun prediction, so that I feel excited to start my study session. Given I'm logged in and on the dashboard, When I click

"Get Today's Prediction," Then I see a playful, AI-generated prediction with a fun animation.

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(1) As a user, I want to be able to rate the usefulness of study tips, so that the app can provide better suggestions in the future. Given I am viewing a study tip, when I rate its usefulness, then the rating is saved and used to improve future tip suggestions.

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Sprint 4 (Final Week 13)

Sprint Goal: App Polishing and Bug fixing and Automation

Tasks: Github automation, full unit testing and thorough

experimental testing, polished gui and build script

User Stories to Complete:

(2) As a forgetful user, I want to reset my password via email, so that I can regain access to my account. Given I clicked "Forgot Password," When I enter my email and follow the reset link, Then I can set a new password, and the database updates my credentials.

(2) As a social media user, I want an option to easily share my generated quote or fact, so that I can post it on my timeline. Given I have received a quote, When I click the "Share" button, Then I see options to copy the text or share directly to social media.

(2) As a social learner, I want to share my streaks/fun predictions on social media, so that friends can join the app. Given I've earned a streak or funny prediction, When I click "Share," Then I get a colourful image to post.

Release Plan

To be confirmed during week 8 Prac - Needed for week 13 checkpoint - not for individual milestones (written as if it were presented to a the client) - include list of features, intended release date, team members & potential risks

TDD

Test all classes with public methods

✓ Log In/Sign Up

Homepage

Continuous Integration (By Week 11)