

# Implementation Plan for the Mindset Application

## 1. Generate Random Quote

- **Tasks:**
  1. Read quotes from the 'quote.txt' file.
  2. Select a random quote.
  3. Print the selected quote.
- **Priority:** High

## 2. Get Quote from Preference

- **Tasks:**
  1. Read quotes from the 'quote.txt' file.
  2. Prompt the user to choose a category.
  3. Filter quotes based on the chosen category.
  4. Select a random quote from the filtered list.
  5. Print the selected quote.
- **Priority:** High

## 3. Get Categories

- **Tasks:**
  1. Read quotes from the 'quote.txt' file.
  2. Extract unique categories from the quotes.
  3. Print the list of categories.
- **Priority:** Medium

## 4. Display Quote

- **Tasks:**
  1. Display the main menu with options to generate a random quote or choose a category.
  2. Based on user choice, call either the "Generate Random Quote" or "Get Quote from Preference" feature.
- **Priority:** High

## 5. Print All from Category

- **Tasks:**
  1. Display the main menu with an option to choose a category.
  2. Prompt the user to select a category.
  3. Read quotes from the 'quote.txt' file.
  4. Filter quotes based on the chosen category.
  5. Print all quotes under the selected category.
- **Priority:** Medium

## 6. Remove Category

- **Tasks:**
  1. Display the list of categories.
  2. Prompt the user to choose a category to remove.
  3. If the category is user-added, remove it from the 'quote.txt' file.
- **Priority:** Low

## 7. Edit Categories

- **Tasks:**
  1. Display the main menu with an option to edit categories.
  2. Prompt the user to choose between viewing categories or editing them.
  3. If editing, provide options to add or remove categories.
- **Priority:** Medium

## 8. Add Own Quote

- **Tasks:**
  1. Display the main menu with an option to add a quote.
  2. Prompt the user to enter a new quote and its category.
  3. Validate the input and append the new quote to the 'quote.txt' file.
- **Priority:** Medium

## 9. Remove Quote

- **Tasks:**
  1. Display the main menu with an option to remove a quote.
  2. Prompt the user to choose a category to display quotes from.
  3. Once the category is chosen, display all quotes under that category.

4. Prompt the user to select a quote to remove and delete it from the 'quote.txt' file.
- **Priority:** Low

## 10. Edit Quote

- **Tasks:**
  1. Display the main menu with an option to edit a quote.
  2. Prompt the user to choose a category to display quotes from.
  3. Once the category is chosen, display all quotes under that category.
  4. Prompt the user to select a quote to edit and provide options to remove it or add a new one.
- **Priority:** Low

## 11. Search Quotes

- **Tasks:**
  1. Display the main menu with an option to search for quotes.
  2. Prompt the user to enter keywords to search for.
  3. Read quotes from the 'quote.txt' file.
  4. Filter quotes containing the provided keywords and print them.
- **Priority:** Medium

## 12. Display Help

- **Tasks:**
  1. Display the main menu with an option to view help information.
  2. Read help content from the 'help.txt' file.
  3. Print the help information to the user.
- **Priority:** Low

## 13. Main Menu

- **Tasks:**
  1. Display the main menu with numbered options for different features.
  2. Prompt the user to choose an option.
  3. Based on the user's choice, execute the corresponding functionality.
- **Priority:** High

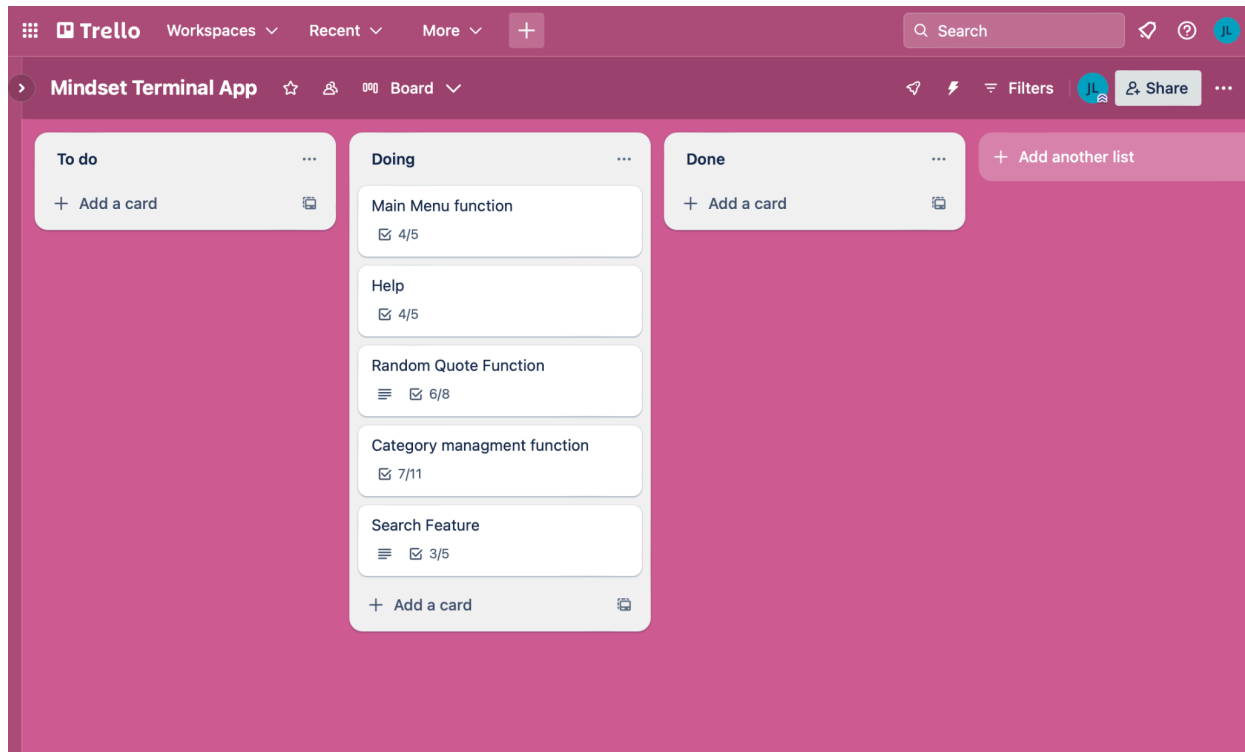
## Prioritisation:

1. **High Priority:** Features essential for core functionality and user interaction.
2. **Medium Priority:** Features that enhance user experience and provide additional functionality.
3. **Low Priority:** Features that are optional or less frequently used.

## Timeline:

- Day 1-2: Implement high-priority features (e.g., Generate Random Quote, Get Quote from Preference, Display Quote, Main Menu).
- Day 3-4: Implement medium-priority features (e.g., Get Categories, Print All from Category, Add Own Quote, Search Quotes).
- Day 5-6: Implement low-priority features (e.g., Remove Category, Edit Categories, Remove Quote, Edit Quote, Display Help).

## Implementation of Trello



Managing my Mindset Terminal Application with Trello. Utilising Trello, I was able to structure my workflow and task management process. Creating main features and functions with related task checklists helped me visualise the stages of development. The checklists outlined in each function represented the individual steps of my project's workflow. I found it very useful to see the progress and completion of each stage.

Using Trello helped me organise and manage my project effectively. I structured main features into task checklists, which provided a clear view of the development stages. Trello's card system allowed me to break down features into manageable tasks, with checklists and due dates ensuring nothing was overlooked. Overall, Trello's visual organisation greatly enhanced my project management experience.

## Breakdown

## Random Quote Function

in list [Doing](#)

### Notifications

 Watch

### Description

Edit

Both functions to generate a 'random choice' from the text file. One being entirely random and the other allowing a random choice from user preference.

#### ☒ Random Quote Function

Hide checked items

Delete

75%

- ☒ ~~Import the 'random' logic to retrieve a quote from the text file~~
- ☒ ~~Create the functionality~~
- ☒ ~~Integrate with main menu~~
- ☐ Conduct user acceptance testing

Add an item

#### ☒ Random Quote Function from Preference

Hide checked items

Delete

75%

- ☒ ~~Allow user to input a preference category~~
- ☒ ~~Import the 'random' logic to retrieve a quote from the text file with the correlating category~~

Random Quote Function To-Do List: This screenshot illustrates the task list specifically focused on implementing the Random Quote function within the Mindset Terminal Application. It outlines the steps necessary to generate and display random quotes to users, contributing to the application's core functionality and user engagement.

## Category management function

in list [Doing](#)

### Notifications

 Watch

### Description

Add a more detailed description...

#### Get categories

Hide checked items

Delete

33%

- ☒ ~~Ability to display existing categories and user created categories~~
- ☐ check error handling and exceptions
- ☐ test

Add an item

#### Edit categories

Hide checked items


Delete


75%


- ☒ ~~Allow user to create a new category~~
- ☒ ~~ensure quote.txt is updated with added categories~~
- ☐ check error handling and exceptions
- ☒ ~~ensure new category was created~~




This screenshot displays the task list dedicated to the Category Management feature within the Mindset Terminal Application. It outlines the tasks involved in managing categories for quotes, including adding, editing, and removing categories as needed to enhance user experience and organisation.

 **Main Menu function**  
in list [Doing](#)

**Notifications**  
 **Watch**

 **Description**  

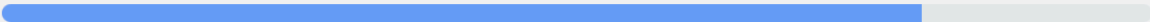
Add a more detailed description...


 **Menu**


Hide checked items


Delete


30%




 Display each feature of the app to the user and allow input to choose a function

 Once the users inputs a choice the selected function will run until the user decides to return the the menu

 The user can choose any number of functions until the exit function is choose

 Error and exception testing

 Loops until user exits

Add an item

This screenshot showcases the task list for the Main Menu feature of the Mindset Terminal Application. It outlines the steps required to implement and refine the main menu functionality, allowing users to interact with different features of the application seamlessly