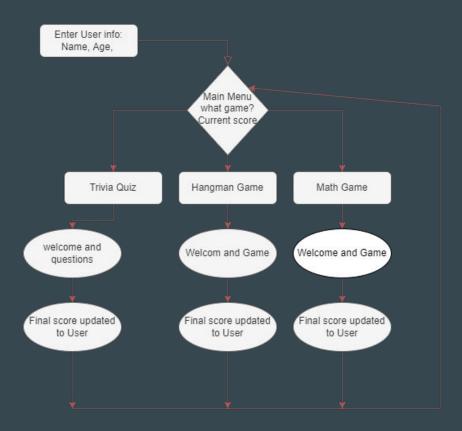# BigBrain

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T1A3 Terminal Application

Application Idea!

- The idea of this app was to provide some brain activities to help wake up the brain. My plan was to give the user a choice of mini games that would force the user's brain fog to disperse.

Flow Chart

Enter User info:
Name, Age,

Main Menu
what game?
Current score

Trivia Quiz

Hangman Game

Math Game

welcome and
questions

Welcom and Game

Welcome and Game

Final score updated
to User

Final score updated
to User

Final score updated
to User

User class
@name
@age
@score
def new_score
updates scores

Hangman class
@words
@lives
@word_teaser
def words
list of words and hints
update score to User class

Math class
@score
def new_score
updates and submit to User
class

Trivia class
@words
@word_hints
@score
def words
list of words and hints
update score to User class

Main Menu

- The main menu of the application is to provide the basic input from the user, Name, Age, and overall score from brain games.

- This menu is will also provide a tty-prompt menu that allows the user to choose from the list of games.

Hangman Game

This game is the same game you played as a child. You have 6 lives and must spell the correct word before you run out.

```
New game, your word is 7 characters long
To exit game type 'exit'
_ _ _ _ _ _ _
Clue: Found with ice
Enter a letter
t
You have 5 lives left. Try again!
Enter a letter
gg
Guess one letter at a time!
Enter a letter
w
Correct!
w _ _ _ _ _ _
Enter a letter
y
Correct!
w _ _ _ _ _ y
Enter a letter
```

Math Game

This is a simple game, The user is asked a series of ten random math multiplication questions that are scored out of 10.

```
Welcome to math Big Brain!

What is 2 times 7?
14
Correct!

What is 7 times 9?
10
Incorrect.

What is 8 times 4?
```
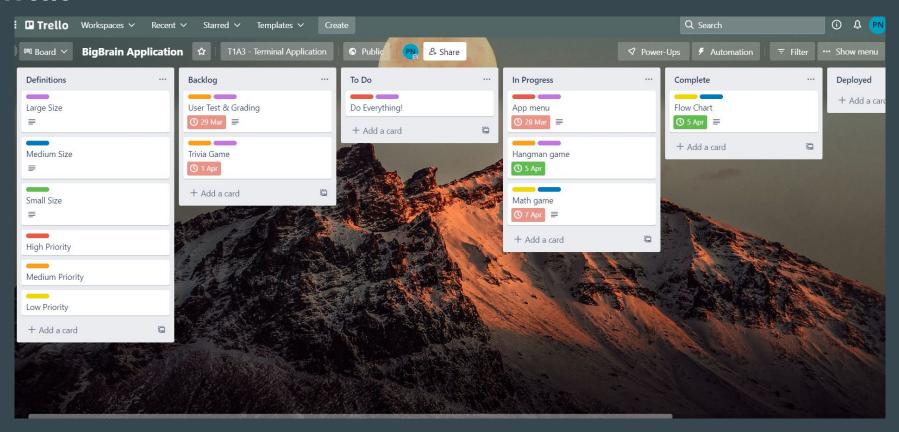
Trivia Quiz

This Feature is not yet finished but it was my intent to install a trivia game.

This game would allow the user to choose between three trivia topics, geography, modern history, and ancient history.

The questions would be scored out of ten on the subject of the users choice, and updated to users overall score

Trello

Overall

Although this application is not fully functional given enough time and effort I believe I could have this app up and running with far more features than i originally intended.