Sprint 1 Planning

Completion date: 9 July, 2023

Revision number: 1

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# Goal:

Get familiar with new knowledge needed to build the project and finish developing the project to be able to test and get feedback.

# Task Listing:

- **User Story 1:**
  - As a poker player, I want to know which action I should take with the hand provided
  - Task 1: Get familiar with CFR algorithm and learn its principal so that we can apply to build a poker AI (3).
  - Task 2: Set up basic poker environment/game state/player module/information set (5).
  - Task 3: Create a function that evaluates a hand and output the optimal decision by using CFR (5).
  - Task 4: Build ideas of how to display the result (creating chart vs showing individual result) (3)
  - Task 5: Get familiar with React and learn how to apply the knowledge to build a Poker AI (5)
  - Task 6: Develop UI to be able to output the result (5)
  - Total for user story: 26
- **User Story 2:**
  - As a poker player, I want to learn other possible hands to take the same action or any other action in a specific situation
  - Task 1: Create a function that evaluates all hand range for the same specific situation and output the optimal decision by using CFR (5).
  - Task 2: Build UI to be able to output the result for all hands and develop it more so that it is user-friendly for especially for beginners (3).
  - Total for user story: 8

# Team Roles

Jun Hayashida: front-end developer, back-end developer

Renmark Soriano: back-end developer

Rahul Nadkarni: leader for front-end product team, front-end developer

Manju Shettar: back-end developer

Pranav Vempati: leader for back-end product team, back-end developer

Tommy Chen: front-end developer

# Initial Task Assignment

Pranav Vempati: User story 1: task 1, task 2, task 3, User story 2: task 1

Renmark Soriano: User story 1: task 1, task 3, User story 2: task 1

Manju Shettar: User story 1: task 1, task 2, User story 2: task 1

Rahul Nadkarni: User story 1: task 4, task 5, task 6, User story 2: task 2

Jun Hayashida: User story: task 1, User story 2: task 1, User story 1: task 4, task 5, task 6, User story 2: task 2

Tommy Chen: User story 1: task 4, task 5, task 6, User story 2: task 2