Sprint 1 Plan

Product name: QuickPick
Team name: DFS Optimizer team
Sprint Completion date: Feb 2
Revision number: 1.0
Revision date: Jan 23

- **Goal:** For Sprint 1, the goal is to create an appealing and easy-to-use GUI with everything set up for future settings and functions to be easily added and compiled into an executable.

- **Task listing, organized by user story:**

1. ***User story 1:*** *As a new user I want to have an intuitive GUI so I don't have to spend time learning a new tool*
   1.1.   Initial Import CSV screen, time: 2 hours
   1.2.   Top buttons and layout, time: 6 hours
   1.3.   Create list of all needed settings, time: 2 hours
   1.4.   Settings for-loop, setting configurations layout, time: 5 hours
   1.5.   Create optimize button that will hide and reveal the bottom frame when optimized
   1.6.   Bottom layout, time: 5 hours
   1.7.   Have application open up to a screen size relative to computer screen's resolution, time: 5 hours

   Total for user story 1: 25 hours

2. ***User story 2:*** *As a user I want it to be an executable so that I can run the application easily offline.*
   2.1.   Learn to compile as an executable, research cx_Freeze, time: 2 hours
   2.2.   Implement the code that will compile the program as a .exe, time: 3 hours

   Total for user story 2: 5 hr

3. ***User story 3****: As a DFS player I want to choose the number of lineups outputted so I can consolidate my risks*
   3.1.   Create a function that will output a specified number of lineups, time: 6 hours
   3.2.   Format option on front end, time: 2 hours
   3.3.   GUI setting with Number of lineups with integer input, time: 2 hours

   Total for user story 3: 8 hours

4. ***User story 4:*** *As a DFS player I want a "constraint" for the number of players selected so I can output actual lineups*
    4.1. *Create a function to specify number of players that will be returned, time: 6 hours*
    4.2. *Format option on front end, time: 2 hours*
    4.3. *GUI setting with Number of Players Selected integer input, time: 2 hours*

    Total for user story 4: 8 hours

5. ***User story 5:*** *As a DFS player I want a "constraint" for the sum of a column so I can limit the cost of my team*
    5.1. *Create a function to add categories so there are usable totals to compose, time: 6 hours*
    5.2. *Format option on front end, time: 2 hours*

    Total for user story 5: 8 hours

6. ***User story 6:*** *As a product owner, I want an appealing desktop icon.*
    6.1. *Create an ICO file, time: 2 hours*
    6.2. *Make the file available in multiple resolutions, time: 2 hours*
    6.3. *Create color scheme for GUI platform, time: 2 hours*

    Total for user story 3: 6 hours

- **Initial task assignment:** A listing of each team member, with their first user story and task assignment. This should look like:

  Gautam Sarkar: User Story 1, Task: 1.2
  Joelle Steichen: User Story 6, Task: 6.1
  Ben Sherriff: User Story 1, Task: 1.1
  Nagie Khant: User Story 2, Task 2.1
  Joey Casteloes: User Story 2, Task 2.2
  Edmund Yu: User Story 3, Task 3.1

- **Team roles:**

  Gautam Sarkar: Product Owner, Developer
  Joelle Steichen: Scrum Master, Developer
  Ben Sherriff: Developer
  Nagie Khant: Developer
  Joey Casteloes: Developer
  Edmund Yu: Developer

- **Scrum times:**

  Tuesdays   11:00am - 11:20am (TA meeting)
  Wednesday   11:30am - 11:45am
  Thursday   3:30pm - 3:45pm