**Sprint 2 Plan**

Product name: QuickPick

Team name: DFS Development team

Sprint Completion date: February 21, 2018

Revision number: 2.0

Revision date: February 7, 2018

* **Goal:** The goal of sprint 2 is to implement more settings for lineup optimization with more emphasis on proper testing and following code guidelines.
* **Task Listing:**

1. ***User story 1****: As a DFS player I want a “constraint” to pick an attribute(column) to maximize in order to output a lineup  (objective maximization function for maximizing a specific chosen column)* 
   1. *Create drop down menu,* ***time: 1 hour***
   2. *Create a function specify a column(selects a column in the gui),* ***time: 6 hours***
   3. *Add functionality to backend Optimizer (selecting a column in the gui from dropdown menu):* ***time: 1 hour***

*Total for user story 1: 8 hours*

*Acceptance: Able to choose an input column/ optimizer is able to optimize based on that column*

1. ***User story 2****: As a DFS player I want an option to display names in a chosen column so that the output looks cleaner ( for what to use an identifier when reading team output so I can understand which players were chosen)*
   1. *Display the optimized list of names in bottom half of GUI,* ***time: 4 hours***
   2. *GUI setting with check box to choose what to display of header options,* ***time: 6 hours***

*Total for user story 2: 10 hours*

*Acceptance: Able to choose column where names are stored, and correct names are displayed*

1. ***User story 3:*** *As a DFS player I want a ‘constraint’ for the number of unique values(really strings) in each column so I can limit the number of players in each position/team*
   1. *Create buttons or text entry that limits the number of players,* ***time: 2 hours***
   2. *Save number to interface(text file) so the optimizer can read it.* ***time: 2 hours***
   3. *Add functionality to backend Optimizer (loop over unique column values and add constraint for each unique value) ,* ***time: 5 hours***

*Total for user story 3: 9 hours*

*Acceptance: The value for the constraint updates the number of players in each column and can be changed or updated as the user needs.*

1. ***User story 4:****As a DFS player I want savable configurations so I can easily reuse my configurations multiple times*
   1. *Create subfolder to hold configuration text files,* ***time: 2 hours***
   2. *Write configurations file from GUI (that will be read by optimizer immediately),* ***time: 3 hours***
   3. *Read written configurations file in backend optimizer(parse and assign variables),* ***time: 3 hours***
   4. *Save configurations file from GUI for later use****, time: 3 hours***
   5. *Read configurations file from GUI, (reload settings),* ***time: 3 hours***

*Total for user story: 14 hours*

*Acceptance: Able to save settings to save folder/files and load from save folder/files back into the variables in the code.*

* **Initial task assignment:**

Gautam Sarkar: User Story 1, task 1.3

Joelle Steichen: User Story 3, task 3.1

Ben Sherriff: User Story 4, task 4.1

Nagie Khant: User Story 1, task 1.1

Joey Casteloes: User Story 2, task 2.2

Edmund Yu: User Story 1, task 1.3

* **Team roles:**

Gautam Sarkar: Product Owner, Developer

Joelle Steichen: Developer

Ben Sherriff: Developer

Nagie Khant: Developer

Joey Casteloes: Scrum Master, Developer

Edmund Yu: Scrum Master, Developer

* **Scrum times:**

Tuesdays 11:00am - 11:20am (TA meeting)

Wednesday 11:30am - 11:45am

Thursday 3:30pm - 3:45pm