

Name: Ryan Whitmer

Title: Fantasy Football Visualizer

Project Summary: A simple java app for visualizing and seeing predictions on Football players' true stats as well as fantasy football stats with simple predictions

Project Requirements:

- 1) Open a Java App with fields for player name and stats by week
- 2) Indicate which week of the season it is
- 3) Create a new player
- 4) Add a player's stats for all weeks up until present
- 5) Generate a graph of production for fantasy football
- 6) Generate predictions for the upcoming weeks for fantasy football on the graph
- 7) Create different graphs depending on the player position (QB or skill-position)
- 8) Line graph of statistics over the weeks
- 9) Generate predictions for the upcoming weeks for statistics in the bar graph

Requirement ID	User Requirement
1	User opens an attractive UI built into a java Swing application
2	User enters into an appropriately named field to indicate what NFL season it is
3a	User can enter a player's name
3b	User can enter a player's team
3c	User can enter a player's position
4a	User can input a player's scrimmage yards, delimited by a comma, for up to the last 4 weeks
4b	User can input a player's passing yards, delimited by a comma, for up to the last 4 weeks
4c	User can input a player's non-passing touchdowns, delimited by a comma, for up to the last 4 weeks
4d	User can input a player's passing touchdowns, delimited by a comma, for up to the last 4 weeks
4e	User can input a player's touches per week
5	Upon pressing 'Vizualize' on the first screen, the user
6	Use a very basic algorithm to generate predictions for the upcoming week for fantasy points
7	Have a slightly different layout depending on player's position
8a	Generate fantasy points graph
8b	Generate graph of actual football production
8c	Generate graph of player reliability based on fields entered
9	Use a basic algorithm to generate true football predictions for the next week

UI Mockups:

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Enter Player Name

Enter Player Position

Enter Player Scrimmage Yards

Enter Player Touchdowns

Enter Current Week

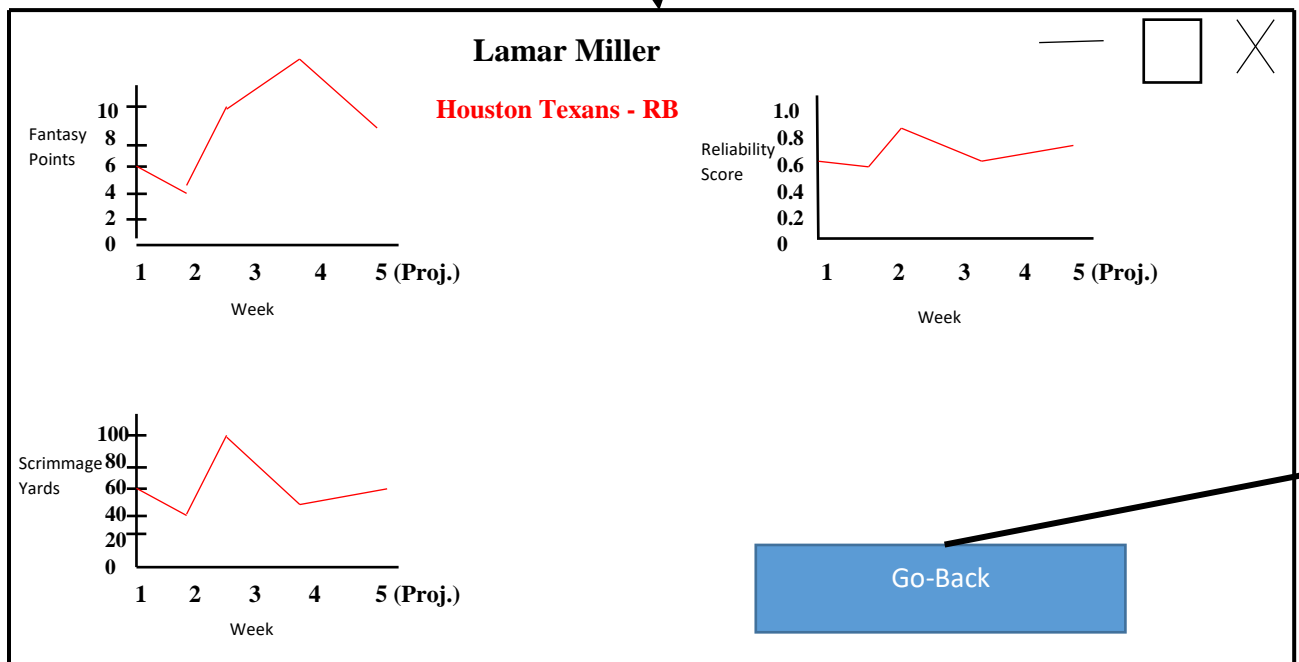
Enter Player Team

Enter Player Passing Yards

Enter Player Passing Touchdowns

Enter Player Touches per Game

Visualize



Class Diagram:

