

# Software Requirement Specifications (SRS) for Fantasy Football App

## Definitions, Acronyms, and Abbreviations

FF	Fantasy Football
DB	Database
NFL	National Football League

## Functional Requirements

1. The system shall have a user account system.
  - 1.1 The system shall allow a non-registered user to create a secure account.
  - 1.2 The system shall ask the user for a username and password.
  - 1.3 The system shall confirm the username and password are acceptable.
  - 1.4 The system shall allow the user to set their profile picture.
  - 1.5 The system shall store the information in the database.
  - 1.6 Without an account, users will still be able to access features such as player statistics.
2. The app will have a database that will store account and stat information.
  - 2.1 The database shall hold user account information
  - 2.2 The database shall store the 2018 stats of the players.
  - 2.3 The database shall update and store stats on a weekly basis for both play by play data and player stat data
  - 2.4 The database shall store player injuries as they occur week to week.
  - 2.5 The database shall also hold information regarding player leagues if synced up with user account
3. The system shall support individual team rules in scoring the user's team.
  - 3.1 The system shall allow logged-in users to set their own scoring modifiers.
  - 3.2 The system shall allow logged-in users to insert their team of players into the system for scoring.
  - 3.3 Once inserted, the team shall be stored in the database so that the user does not need to enter them again
4. The system shall generate a weekly analysis report for the user's team.
  - 4.1 The report shall list the weekly top performers on the team, based off scores.
  - 4.2 The report shall include a projection for who will be the top player next week based off current and past performance (based off score).
5. The system shall display the user's team's statistics.
  - 5.1 Compare current week's stats with previous weeks.
  - 5.2 Provide stats in a graphical representation.
  - 5.3 Allow user to filter stats for the visual model.
  - 5.4 Allow user to view a specific player's stats.

## Use Case Diagrams

