Software Requirement Specifications (SRS) for Fantasy Football App

Definitions, Acronyms, and Abbreviations

FF	Fantasy Football
API	Application Programming Interface
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 an database that will store account and stat information. And it will communicate with the app through an API.
    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