

## Developer Manual

Installation: With respect to installing the application and its dependencies, developers would be best served by clicking the green “<> Code” button within the Github repository and downloading the Zip. Subsequently, they should unzip the folder. Within their development environment, they should ideally have the following:

- a. npm package manager
- b. Nodemon
- c. supabase/supabase-js
- d. express.js

Running: In order to run the application on a server, run the command “npm start” in the terminal within the directory in which npm is installed. This will enable you to run the application via express.js.

Tests: N/A

### API Endpoints

- a. `app.get('/fanpage')`: Retrieves all fans from the Supabase database
- b. `app.post('/fanpage')`: Adds a fan with the following features to the Supabase database:
  - i. username, name, fav\_team, and fav\_player; all varchar or text
- c. `loadStandingsAPI`: Retrieves the most recent standings for the current season of English Premier League football.
  - i. HTTP Method: 'GET'
  - ii. URL:  
`'https://api-football-v1.p.rapidapi.com/v3/standings?season=${season}&league=39'`
    1. season: Argument (year) referring to the current season of Premier League football.
- d. `loadUpcomingGames (API)`: Retrieves the next ten upcoming matches of the current season of the English Premier league.
  - i. HTTP Method: 'GET'
  - ii. URL:  
`https://api-football-v1.p.rapidapi.com/v3/fixtures?league=39&season=${season}&next=10`
    1. season: Argument (year) referring to the current season of Premier League football.
- e. `loadHistoricalFixtures (API)`: Retrieves the last ten fixtures between two specified teams.
  - i. HTTP Method: 'GET'

- ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/fixtures/headtohead?h2h=\\${t1}-\\${t2}](https://api-football-v1.p.rapidapi.com/v3/fixtures/headtohead?h2h=${t1}-${t2})
    - 1. t1: One of two specified teams (id)
    - 2. t2: The other of two specified teams (id)
- f. loadHomeAwayRecords (API): Retrieves the home and away records for a specified team during the current season of football.
  - i. HTTP Method: 'GET'
  - ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/teams/statistics?league=39&season=\\${season}&team=\\${team}](https://api-football-v1.p.rapidapi.com/v3/teams/statistics?league=39&season=${season}&team=${team})
    - 1. season: Argument (year) referring to the current season of Premier League football.
    - 2. team: Argument (ID) referring to the specified team for which we are retrieving home and away records.
- g. loadTeamIDs (API): Retrieves the Teams records for all teams within the English Premier League, including their IDs.
  - i. HTTP Method: 'GET'
  - ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/teams?league=39&season=\\${season}](https://api-football-v1.p.rapidapi.com/v3/teams?league=39&season=${season})
    - 1. season: Argument (year) referring to the current season of Premier League football.
- h. loadPlayerIDs (API): Retrieves the Players records for all players within a specific team in the Premier League, including their IDs.
  - i. HTTP Method: 'GET'
  - ii. URL: [https://api-football-v1.p.rapidapi.com/v3/players/squads?team=\\${team}](https://api-football-v1.p.rapidapi.com/v3/players/squads?team=${team})
    - 1. team: Argument (ID) referring to the specified team for which we are retrieving player records.
- i. loadFixturesStatistics (API): Retrieves all statistics for a specific team during a specific fixture.
  - i. HTTP Method: 'GET'
  - ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/fixtures/statistics?fixture=\\${fixture}&team=\\${team}](https://api-football-v1.p.rapidapi.com/v3/fixtures/statistics?fixture=${fixture}&team=${team})
    - 1. fixture: ID of specific fixture for which we are retrieving records
    - 2. team: Argument (ID) referring to the specified team for which we are retrieving statistical records.
- j. loadTeamStatistics (API): Retrieves all statistics for a specific team for the entirety of the current Premier League season.
  - i. HTTP Method: 'GET'

- ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/teams/statistics?league=39&season=\\${season}&team=\\${team}](https://api-football-v1.p.rapidapi.com/v3/teams/statistics?league=39&season=${season}&team=${team})
  - 1. season: Argument (year) referring to the current season of Premier League football.
  - 2. team: Argument (ID) referring to the specified team for which we are retrieving statistical records.
- k. loadPlayerStatistics (API): Retrieves all statistics for a specific player for the entirety of the current Premier League season.
  - i. HTTP Method: 'GET'
  - ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/players?id=\\${player}&season=\\${season}](https://api-football-v1.p.rapidapi.com/v3/players?id=${player}&season=${season})
  - 1. player: Argument (ID) referring to the specific player
  - 2. season: Argument (year) referring to the current season of Premier League football.
- l. loadTeamFixtures (API): Retrieves all the fixtures belonging to a specific team during the current season of football.
  - i. HTTP Method: 'GET'
  - ii. URL:  
[https://api-football-v1.p.rapidapi.com/v3/fixtures?season=\\${season}&team=\\${team}](https://api-football-v1.p.rapidapi.com/v3/fixtures?season=${season}&team=${team})
  - 1. season: Argument (year) referring to the current season of Premier League football.
  - 2. team: Argument (ID) referring to the specified team for which we are retrieving fixtures.

### Bugs

There are currently no known bugs, but with respect to future development, we anticipate that there is ample opportunity for the implementation of:

- More factors in predicting match outcomes
- Greater, more in-depth data visualizations for a fan's favorite team or players
- A more community-based page enabling fans with similar interests and favorite teams/players to discuss