# Purpose and Scope

The purpose of this application is to provide a user the ability to track performance of various football leagues as the season progresses.

# Use Case – Analyse football results data

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| **Actors**   * DA means Data Analyst or main user of the application * SYS means the System/Football results analysis application |
| **Objectives**   1. **DA** inputs source data files  * There are 2 files, one showing results for all games played to date and one showing the upcoming round of fixtures * The data files are available in .xlsx or csv format, from - "https://www.football-data.co.uk/all\_new\_data.php"  1. **DA** interrogates the data to find out statistics of interest as listed below  * League standings for each league * Teams that have scored 2+ goals – make this dynamic so you can start by showing the static for all teams, then start cutting off as you move up e.g teams that have scored 2+ in 25% of all their games, then 50, 75% etc * Teams that have conceded 2+ goals * First half goals scored * First half goals conceded * Corners taken * Corners conceded * Cards * Stats listed above are not exhaustive and more may be added as development progresses (K Sibindi – 18-06-2022)  1. **SYS** displays results to the DA in a suitable format 2. **DA** persists the results |

# Technology to be used

* The business logic will be developed in Python 3.10
* MVC architecture pattern will be used to structure the application
* UI will be designed in QtDesigner
* Python’s Pandas package will be used to manipulate the data.