#### Project Name: IADT Athletics Club

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Contents

[Company Overview 3](#_Toc26373676)

[User Roles 3](#_Toc26373677)

[Company manager 3](#_Toc26373678)

[Footballer 3](#_Toc26373679)

[User Stories 3](#_Toc26373680)

[Company manager 3](#_Toc26373681)

[Footballer 3](#_Toc26373682)

[Design 4](#_Toc26373683)

[Implementation 4](#_Toc26373684)

[Successfully completed 4](#_Toc26373685)

[Create footballer 4](#_Toc26373686)

[View footballers 4](#_Toc26373687)

[Edit footballers 4](#_Toc26373688)

[Delete footballers 4](#_Toc26373689)

[Search by footballer id 4](#_Toc26373690)

[Search by team 4](#_Toc26373691)

[Exit 4](#_Toc26373692)

[Partially completed 4](#_Toc26373693)

[Attempted but can’t get working 4](#_Toc26373694)

# Company Overview

The company, IADT Athletics Club, is looking to add, view, edit, delete, search by footballer and search by team for their footballers. The company has many teams competing against each other. The company stores the footballer name, team, position, goals scored, assists, salary and skills.

A footballer can view their details and others, search for footballer and team while the company manager can add, view, edit, delete, search by ID and team for a footballer.

# User Roles

## Company manager

The company manager keeps the database up to date, must be able to add, view, update and delete a footballer. The company manager will have to user the program when ever there is a football match to update their assists and goals, when a footballer moves teams or if their salary has increased.

## Footballer

The footballer can view all footballers, their own details and view all footballers in one team. The footballers will use the program if they want to know the opposing team’s information, they would look at this before matches.

# User Stories

## Company manager

* As a company manager, they can create a new footballer for the league with all their details.
* As a company manager, they can view all footballers from the league.
* As a company manager, they can edit a footballer by ID to update their name, team, position, goals scored, assists, their salary and skills.
* As a company manager, they can delete a footballer by ID from the league.
* As a company manager, they can search for a footballer by their ID.
* As a company manager, they can search for all footballers by a team.

## Footballer

* As a footballer, they can view all footballers from the league.
* As a footballer, they can search for a footballer by their ID.
* As a footballer, they can search all footballers by a team.

# Design

DIAGRAMS OF CASE AND SEQUENCE!!!!!!!!!

# Implementation

## Successfully completed

Create footballer – this asks the user to input values for name, team, position, goal, assists, salary and skills and then it is stored in the footballer table in the database, it is then given a primary key. The footballer is also stored in an array list in the program. The display menu is then printed.

View footballers – when the user chooses this option all the footballers from the database and the array list from the program are outputted with all their details/values. The display menu is then printed.

Edit footballers – this asks the user to input the ID of the footballer they’d like to update, the program then asks the user for the updated values like name, team, and so on. It then updates the footballer the user chooses in the database and in the array list in the program. If the ID doesn’t exist, the program will print out an error and will not ask the user what they’d like to update their values to. The display menu is then printed.

Delete footballers – this asks the user to input the ID of the footballer they’d liked to delete from the database and array list, when the user inputs the ID they are presently deleted. If the ID doesn’t exist, the program will print out an error and will come up with the display menu.

Search by footballer id – this asks the user to input the ID of the footballer they’d like to view from the database and array list, the details of the footballer are outputted, and the display menu is printed.

Search by team - this asks the user to input the team (a string) they’d like to view all the footballers who play for that team, the program searches the database and array list, all the footballers who play for the searched team are outputted with their details. If the team doesn’t exist an error message appears saying couldn’t find the team. After this code the display menu is printed.

Exit – when the user chooses this option the program says “Goodbye” and closes itself.

## Partially completed

None

## Attempted but can’t get working

None