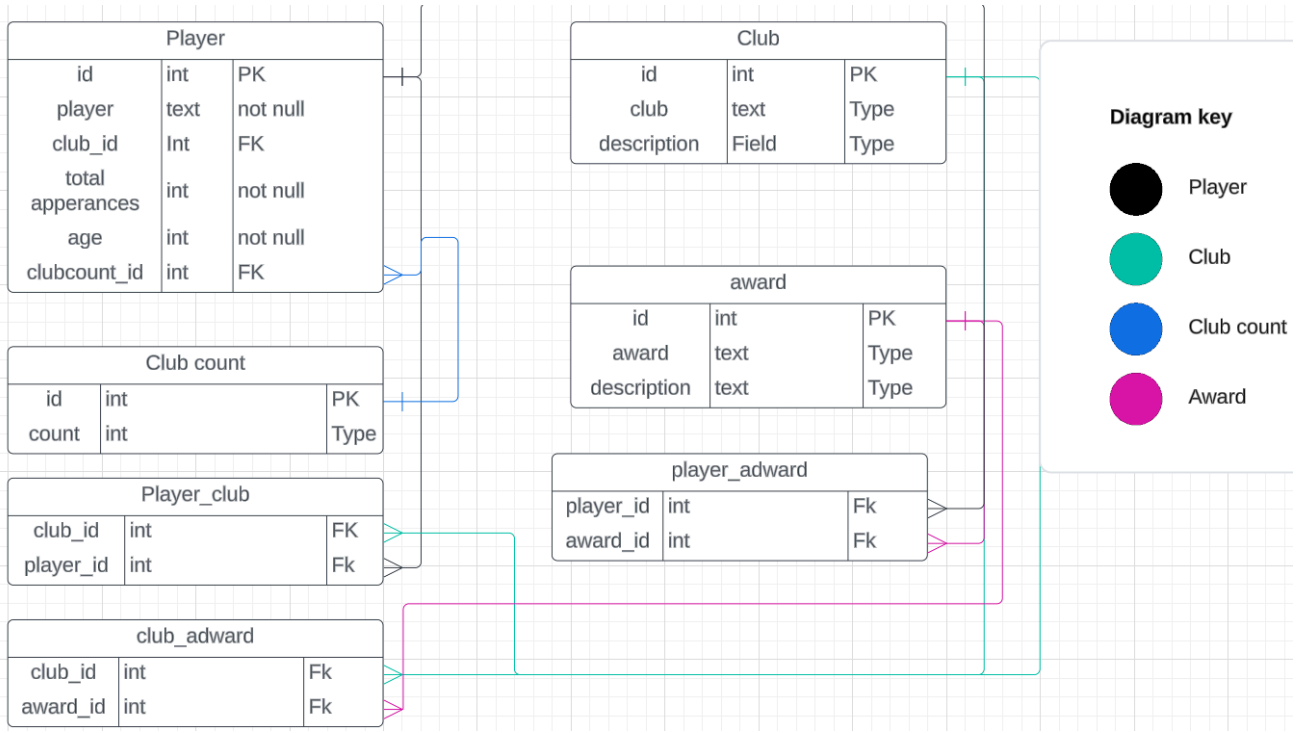
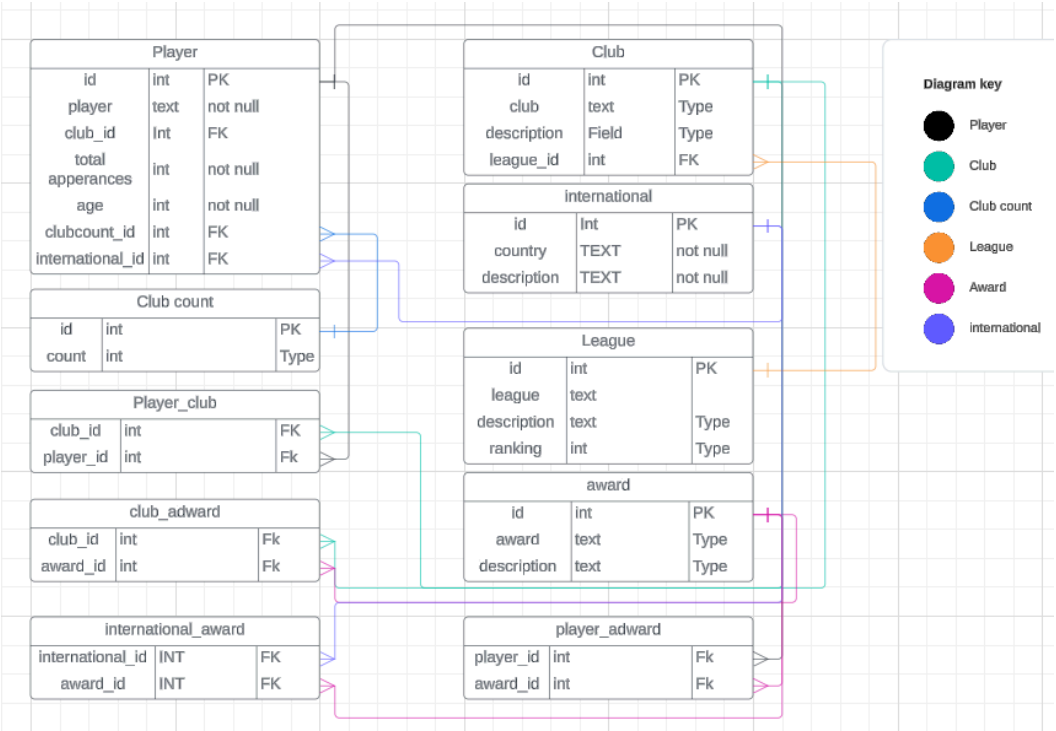
Football Database

ER Diagrams

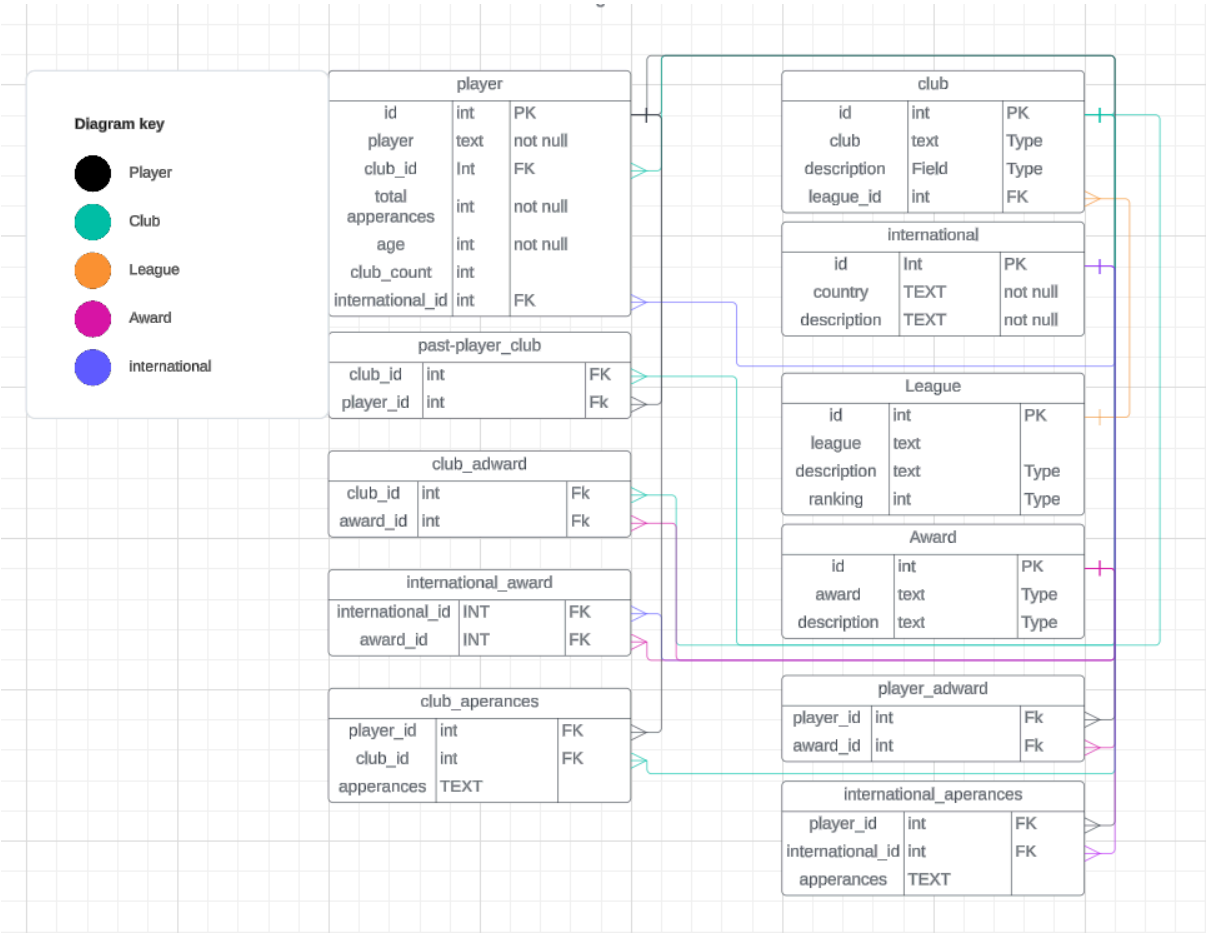
1



2


Player
id int PK
player text not null
club_id Int FK
total apperances int not null
age int not null
clubcount_id int FK
international_id int FK
Club
id int PK
club text Type
description Field Type
league_id int FK
international
id Int PK
country TEXT not null
description TEXT not null
Club count
id int PK
count int Type
League
id int PK
league text
description text Type
ranking int Type
Player_club
club_id int FK
player_id int Fk
award
id int PK
award text Type
description text Type
club_adward
club_id int Fk
award_id int Fk
international_award
international_id INT FK
award_id INT FK
player_adward
player_id int Fk
award_id int Fk
Diagram key
Player
Club
Club count
League
Award
international

3



Website explanation

On my website the user will be able to find out all players at a club or all the clubs a player has played for. It can also tell you what league that club is in and its current ranking. It will also be able to tell you what awards each player and team has with a description included. It will also be able to tell you the total number of appearances that player has along with their current age. It can also tell you the amount of international trophies each country has won along with what country each player plays for.

Colour palette

Fonts

Headers:

https://fonts.google.com/specimen/Playfair+Display?preview.text=TEST%20TEST%20TEST%20123

Paragraphs:

https://fonts.google.com/specimen/Oxygen?preview.text=TEST%20TEST%20TEST%20123

Navbar:

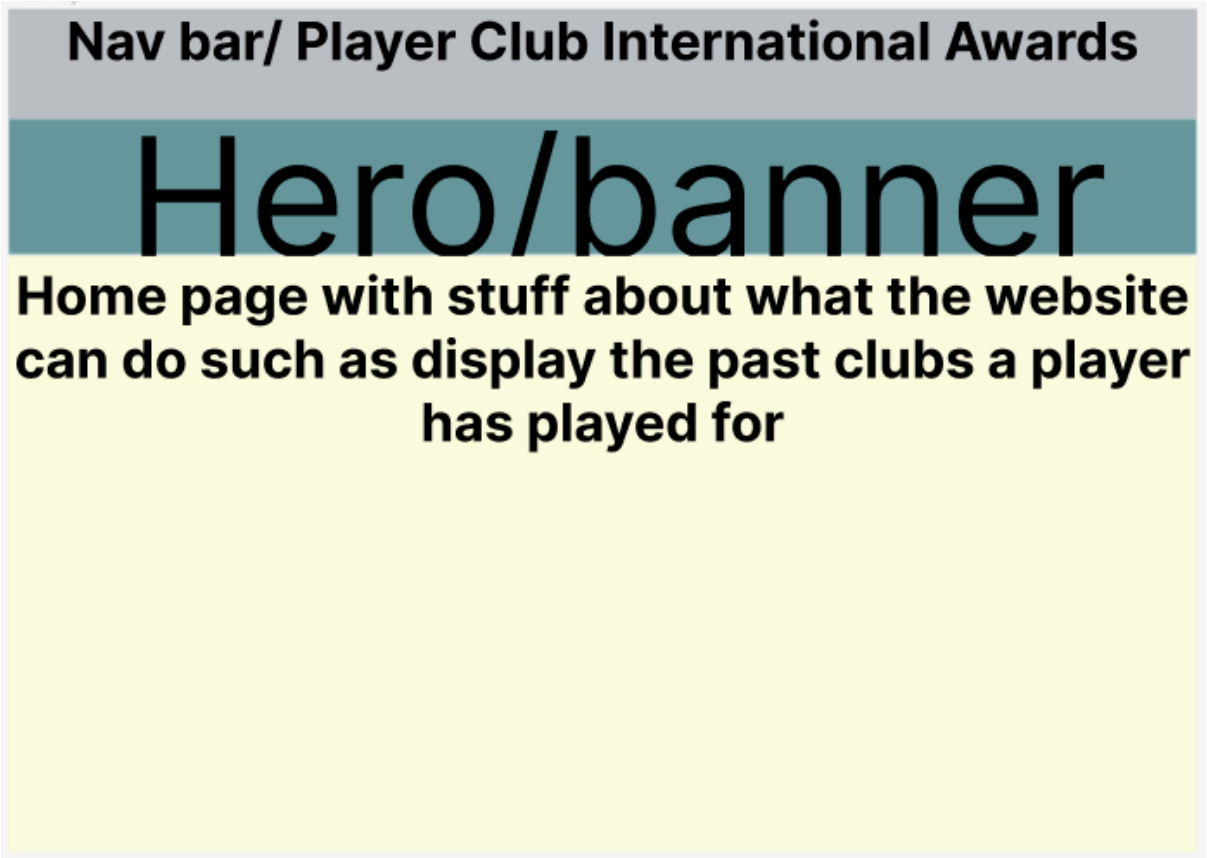
https://fonts.google.com/specimen/Kaushan+Script?preview.text=TEST%20TEST%20TEST%20123&classification=Handwriting

Code:

```
/* Sets up Custom font */
@font-face {
    font-family: 'Playfair Display';
    /* Imports font from URL */
    src: url(/static/Fonts/Playfair_Display/PlayfairDisplay-VariableFont_wght.ttf);
}
```

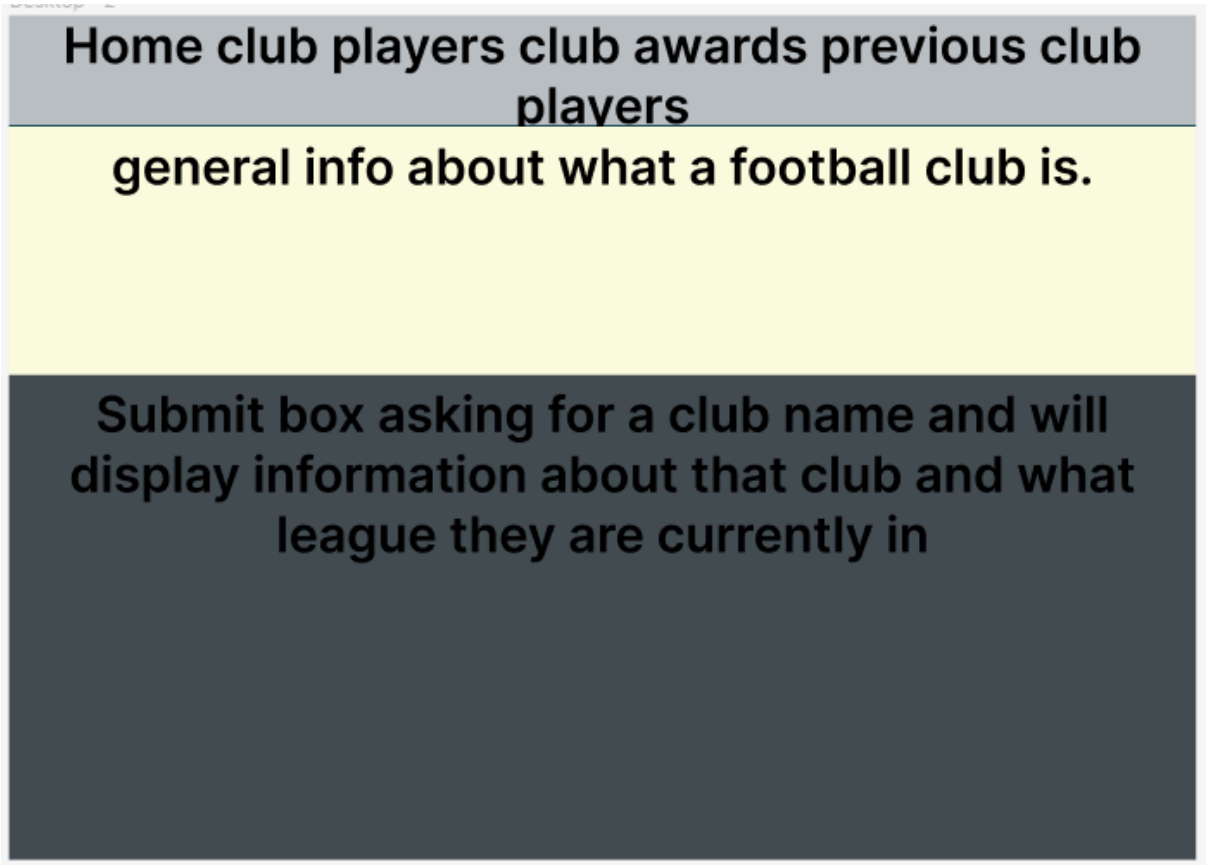
Website Mock-up

Home page



After going into a page it will have a new navbar about things more in depth about the page with a home icon to escape back to the main menu. Submit boxes will be used to help navigate through the website such as inputting a player name to find out what clubs they have played for.

Club page as an example



Extra drop down nav bar is an option too

Basic website printing code

PYTHON

```
@app.route('/players')
def topping():
    db=sqlite3.connect(DATABASE)
    cursor=db.cursor()
    sql='SELECT * FROM Players’
    cursor.execute(sql)
    results=cursor.fetchall()
    return render_template(playerss.html',results=results)
```

HTML

```
{% extends 'layout.html' %}
{% block content %}
{%for player in results%}
   {{player[1]}}
   <img src="/static/images/players/{{player[4]}}">
{% endfor %}
{%endblock%}
```

SQL statements

(Also saved as views in database file)
Player club appearance
SELECT Player.player, Club.club, club_apperances.apperance FROM club_apperances INNER JOIN Player ON club_apperances.player_id = Player.player_id INNER JOIN Club ON club_apperances.club_id = Club.club_id

player international appearances
SELECT Player.player, International.country, international_apperances.apperances FROM international_apperances INNER JOIN Player ON international_apperances.player_id = Player.player_id INNER JOIN International ON international_apperances.international_id = International.international_id

Player award
SELECT award.award, Player.player FROM Player_Award INNER JOIN award on Player_Award.award_id = award.award_id INNER JOIN Player ON Player_Award.player_id = Player.player_id

Past player clubs
SELECT Player.player, Club.club FROM past_player_club INNER JOIN Player ON past_player_club.player_id = Player.player_id INNER JOIN Club on past_player_club.club_id = Club.club_id

international award
SELECT award.award, International.country FROM International_Award INNER JOIN award on International_Award.award_id = award.award_id INNER JOIN International ON International_Award.international_id = International.international_id

club award
SELECT award.award, Club.club FROM Club_Award INNER JOIN award on Club_Award.award_id = award.award_id INNER JOIN Club ON Club_Award.club_id = Club.club_id

Dos commands

H:	changes to h drive
cd	blah change into the blah directory/folder
cd ..	go up one level
dir	directory listing
cd \	change to root
git commit	commits changes to git
git push	pushes commits to github

Data Management

Templates are separated into categories based on what sub heading they are in so pages that you get to from the HOME page will be in the home folder inside templates and if it is from awards it will go in the awards folder inside of templates. Photos will be categorised based on what they are for such as players, club emblems or trophies. CSS files will be named after what section of the website they are used for such as players.css or international.css.

Justification

The design of my website follows standard conventions of having a navbar at the top of the screen that sticks with the page, then having a home button means anyone can exit the page they are on. Also having the nav bar change is justifiable as other websites do use this and the dropdown option for the home page also fits standard regulations. The information I am displaying is all public, not private. My website is displaying information that a footballer would want to know like what teams are in a certain competition or what clubs have won a league. This is justifiable layout as this is what the Premier League website uses as well with drop down navbar links.