MMA Fantasy League Project
User Manual

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Overview

The MMA Fantasy League is a web application for mixed martial arts enthusiasts. The platform allows you to select a team of fighters for each upcoming event and earn points based on their performance. As a user, you can create your own league and invite your friends to compete against you or join a public league with other MMA enthusiasts. With each event, you'll have the opportunity to select a team of fighters, and your performance in each event will be tracked in the league's leaderboard. Our application provides real-time updates on the fighters' performance during the event, allowing you to keep track of how your team is doing. You'll also have access to statistics and analysis on the fighters' past performance, so you can make informed decisions when selecting your team.

Whether you're a hardcore MMA fan or just looking for a fun way to engage with the sport, our MMA fantasy league application offers a unique and exciting way to experience MMA. Join us today and start building your dream team of fighters!

Download

Requirements

To start off you'll need to ensure that you have Git and Python installed on your machine. Depending on your operating system you will need to open your command prompt or your terminal.

Windows: To open the command prompt, search for cmd in the search box. When you find cmd in the results, right click and select Run as administrator. This will open your command prompt.

Linux: To open the terminal, search for terminal in the search box. When the terminal appears in the results, click on it. This will open your terminal.

Download

Next you need to download the project files. The project can be downloaded at this link: https://gitlab.computing.dcu.ie/reillj38/2023-ca326-bashfop2-reillj38

Alternatively you can download the repo from your terminal by inputting the following:

git clone https://gitlab.computing.dcu.ie/reillj38/2023-ca326-bashfop2-reillj38

Press enter then follow the instructions onscreen to continue.

Setup

Once you have cloned the repo you have to navigate to where the files are stored on your machine. This can be done by using the **cd** command eg: **cd 2023-ca326-bashfop2-reillj38**

Once you have successfully entered the directory you can move on to the next step. Next you have to ensure that you have Django installed. You will also need to download the requirements for the app. To install Django or to check you have the most recent version type into your terminal:

pip install django

and press enter.
 The application should now be ready to run.

Starting the application.

When you have finished setting up the application, you need to start the server to get it up and running.

To do so, type in the command:

python manage.py runserver

and press enter. You should see something like this

```
February 24, 2023 - 03:26:03
Django version 4.0.1, using settings 'backend.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CTRL-BREAK.
```

This means the website is up and running locally. To visit the webpage, open your browser and type in http://127.0.0.1:8000/.

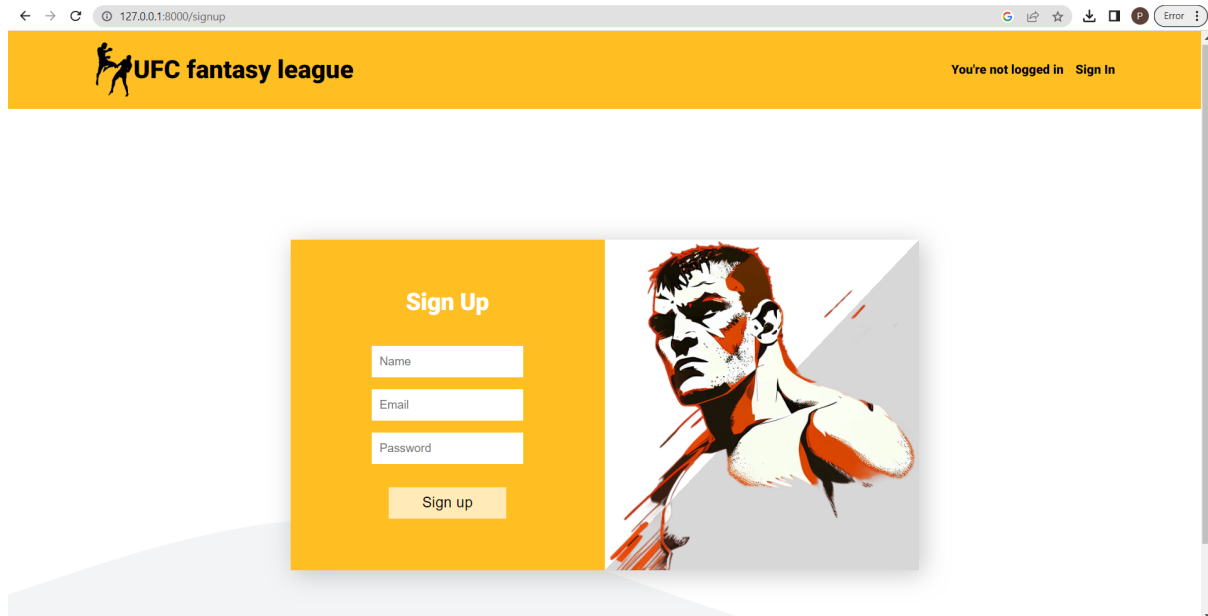If you have performed all the steps above correctly you should see this web page when your browser loads.
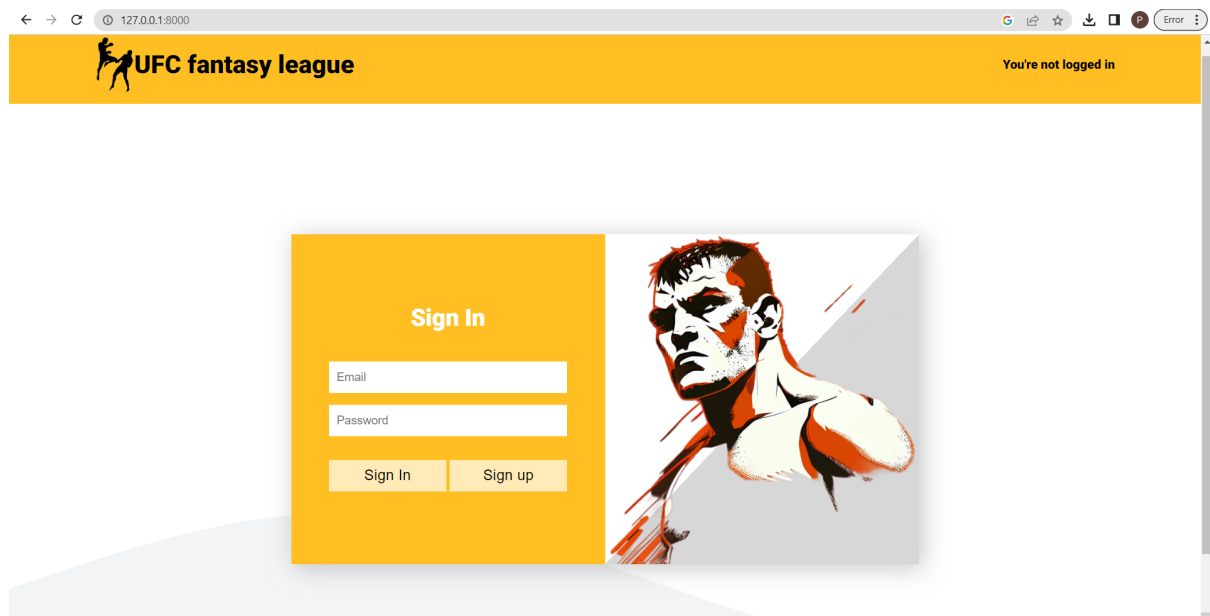
This is the sign in page of the application.

App Features

Sign in/Sign up

The first thing you need to do is to create an account. To do this you click on the "Sign up" button and you will be brought to the following page.

From here you will be able to enter your relevant information and click the "sign up" button when you are ready to proceed. Once you have clicked the button you will be redirected to the Sign in page where you will need to use the details you just signed up with to log in.

If you have successfully entered your log in information and clicked the button you will be redirected to the following page.
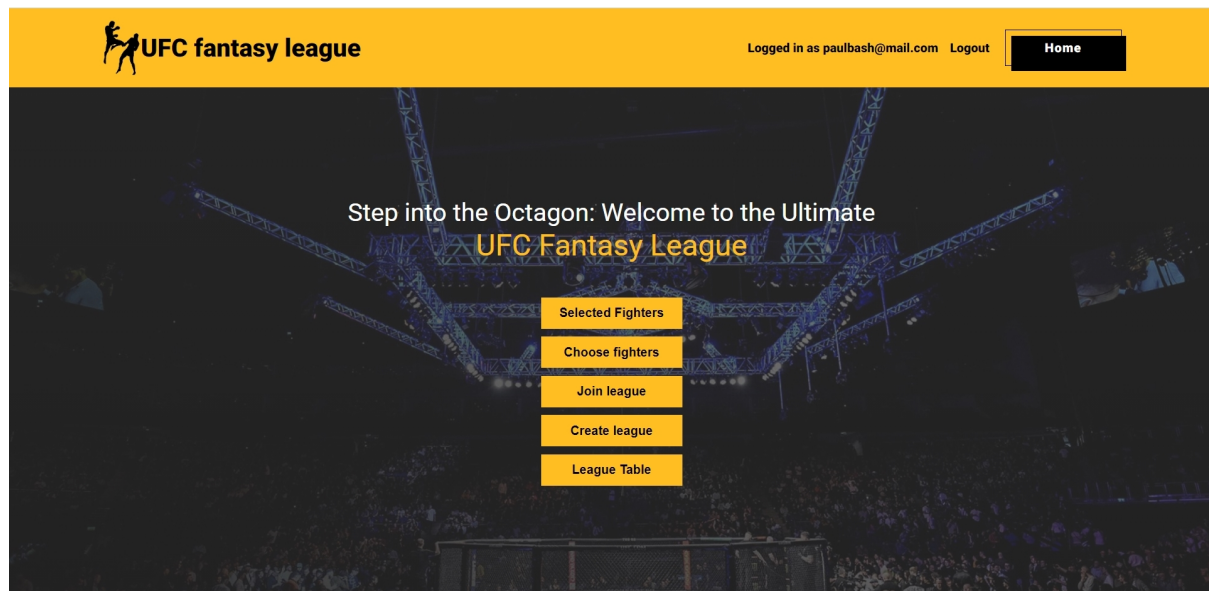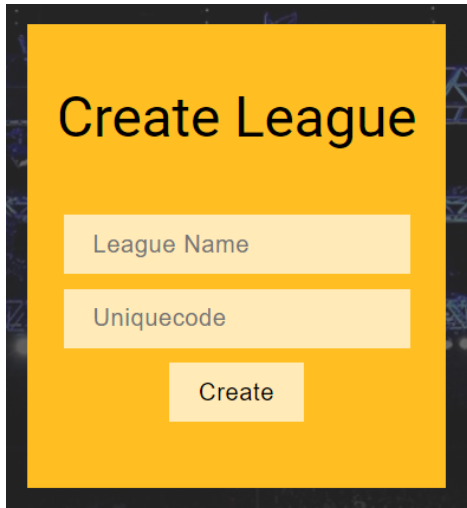

Log out

If you wish to exit the application once you have logged in you only need to click the log out button located at the top right of the screen

Upon logging out you will be redirected to the Sign in page where you began.
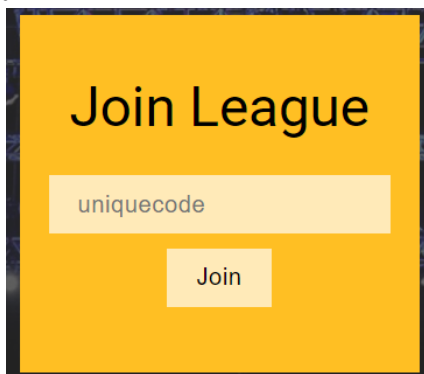
Create League

If you want to create a league that other users can join, you need to click the "Create League" button. This will take you to a page where this box will be in the centre of your screen:

Following this you only need to come up with a name for your league and a unique code that you will need to provide to other users so they can join your league.

Join League

Returning to the homepage again, if you wish to join a league you can click the join league button and you will once again be redirected to a page with the following box in the centre of your screen:

From here you can input a unique code that your friend will have provided you with to join their league.

Select Fighters

Once again at the home page if you want to make your fighter selections for the upcoming event you need to click the "Choose Fighters" button. From here you will be redirected to the following page:

From here you can select the fighters that you think will win their relative fights and click the "Save Choices" button once you are finished.

View selected fighters.
If you want to view your selected fighters you must return to the homepage and click on the "selected fighters" button. Once you do the following page will appear on your screen.

This page displays a table with your selections aswell as a link that will take you back to the choose fighters page if you wish to make any changes to your roster.

League Table

Finally once the event has concluded if you wish to see how you performed against other users in your leagues you need to click the "league table" button. Once you have a page with tables similar to the following will appear:

The demo league

Rank	User	Points
1	dad20@mail.com	16
2	jennifer@mail.com	0
3	cad@mail.com	0
4	paulbash@mail.com	0

The fred league

Rank	User	Points
1	paulb@mail.com	16
2	test2@mail.com	7
3	jamesr@mail.com	6
4	paulbash@mail.com	0