

# UFC Socket Programming Project - CYSE 250

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## Purpose and goal

The project implements a server-client application that allows users to interact with a server to receive information about UFC events for specific years. The server holds information about the most significant titles, fighter of the year, top fights, and records for different years.

# Hardware and Software Details

- Personal Desktop
- Windows 10
- 16GB RAM
- AMD Ryzen 5 5600X 6-Core Processor
- 1 TB SSD
- Python 3.13
- Idle shell 3.11

# User Authentication

```
= RESTART: C:\Users\Ethan\AppData\Local\Programs\Python\Python313\ufc_client.py  
Do you have an account? (yes/no):  
Do you have an account? (yes/no):no  
Enter a new username: xxxxx  
Enter a new password: xxxxx
```

# Example

```
Enter the year (e.g., 2023): 2022
Account created successfully for xxxxx. You can now log in.Please enter the year
(e.g., 2023):
Would you like more information for another year? (yes/no): yes
Fighter of the Year: Charles Oliveira
Champion of the Year: Alexander Volkanovski
Most Significant Title: UFC Featherweight Championship
Top Fights of the Year:
  - Alexander Volkanovski vs. Max Holloway: Alexander Volkanovski wins via decis
ion
  - Charles Oliveira vs. Justin Gaethje: Charles Oliveira wins via submission
Total UFC Events in 2022: 40
Records Set in {year}:
  - Charles Oliveira broke the submission record.
  - Alexander Volkanovski defended his title successfully.
Would you like more information for another year? (yes/no):
Enter the year (e.g., 2023): |
```