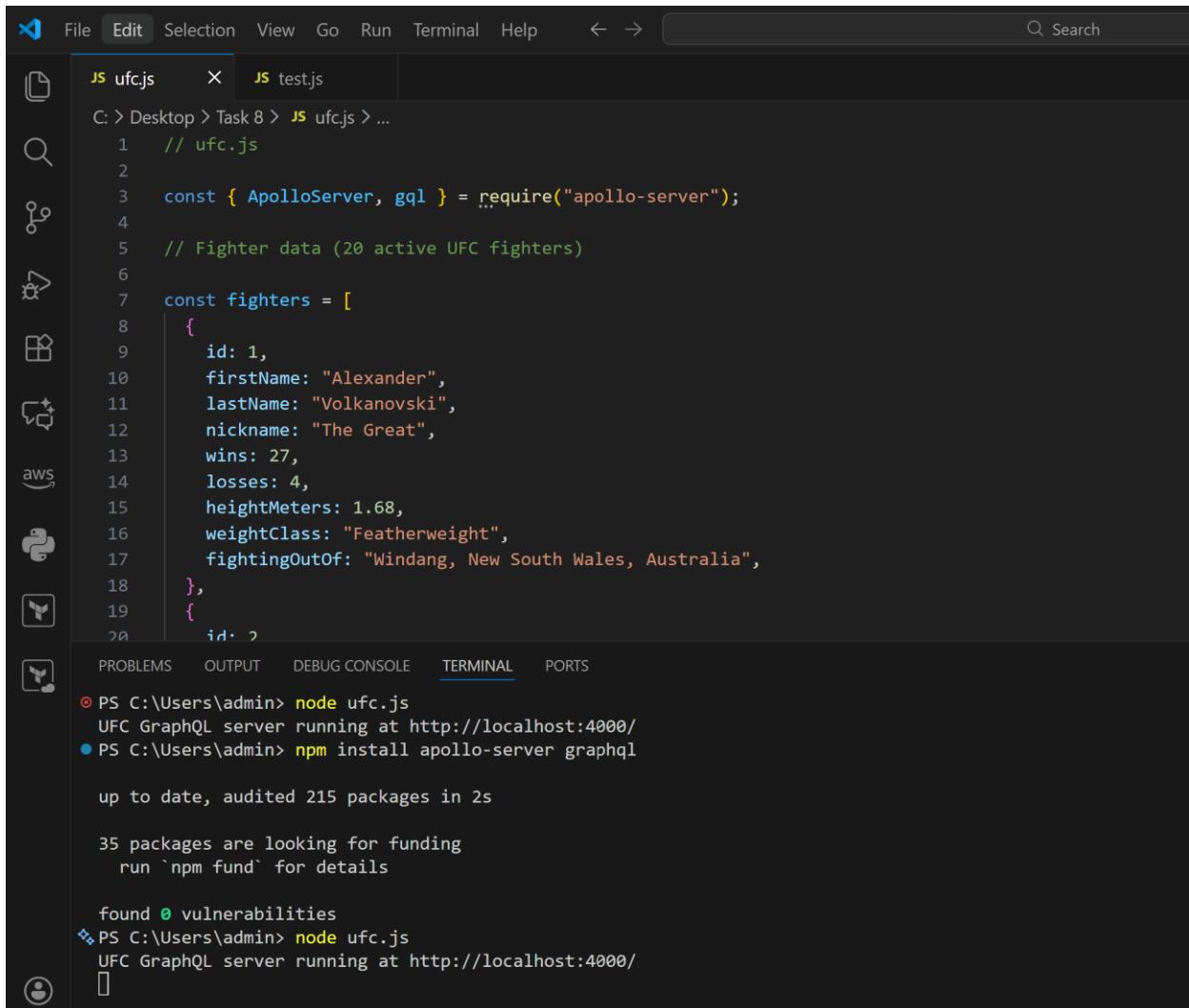


UFC-GraphQL-API

Code Edit on VS Code, Testing Using test.js and <http://localhost:4000/>



The screenshot shows the Visual Studio Code interface. The left sidebar contains icons for file operations like Open, Save, Find, and others, along with a GitHub icon and an AWS icon. The main area has two tabs open: 'ufc.js' and 'test.js'. The 'ufc.js' tab shows a JavaScript file with code for an Apollo Server. The 'test.js' tab is currently active. The terminal tab at the bottom shows a PowerShell session (PS) with the following commands and output:

```
PS C:\Users\admin> node ufc.js
UFC GraphQL server running at http://localhost:4000/
● PS C:\Users\admin> npm install apollo-server graphql
up to date, audited 215 packages in 2s

35 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
❖ PS C:\Users\admin> node ufc.js
UFC GraphQL server running at http://localhost:4000/
```

TESTING

Operation

```
1 query {  
2   fighterByName(name: "Max Holloway") {  
3     id  
4     fullName  
5     nickname  
6     wins  
7     losses  
8     heightMeters  
9     weightClass  
10    fightingOutOf  
11  }  
12}  
13
```

Response

```
{  
  "data": {  
    "fighterByName": {  
      "id": "4",  
      "fullName": "Max Holloway",  
      "nickname": "Blessed",  
      "wins": 27,  
      "losses": 8,  
      "heightMeters": 1.8,  
      "weightClass": "Lightweight",  
      "fightingOutOf": "Waianae, Hawaii, United States"  
    }  
  }  
}
```

Variables **Headers** **Pre-Operation Script** **Post-Operation**

1
+ Add files

JSON

Operation

```
1 query {  
2   fightersByWeightClass(weightClass: "Welterweight") {  
3     id  
4     fullName  
5     nickname  
6     wins  
7     losses  
8     heightMeters  
9     weightClass  
10    fightingOutOf  
11  }  
12}  
13
```

Response

```
{  
  "data": {  
    "fightersByWeightClass": [  
      {  
        "id": "2",  
        "fullName": "Islam Makhachev",  
        "nickname": "N/A",  
        "wins": 28,  
        "losses": 1,  
        "heightMeters": 1.78,  
        "weightClass": "Welterweight",  
        "fightingOutOf": "Makhachkala, Dagestan, Russia"  
      },  
      {  
        "id": "3",  
        "fullName": "Leon Edwards",  
        "nickname": "Rocky",  
        "wins": 22,  
        "losses": 6,  
        "heightMeters": 1.88,  
        "weightClass": "Welterweight",  
        "fightingOutOf": "Birmingham, England"  
      },  
      {  
        "id": "8",  
        "fullName": "Kamaru Usman",  
        "nickname": "The Nigerian Nightmare",  
        "wins": 30,  
        "losses": 5,  
        "heightMeters": 1.85,  
        "weightClass": "Welterweight",  
        "fightingOutOf": "Las Vegas, Nevada, United States"  
      }  
    ]  
  }  
}
```

Variables **Headers** **Pre-Operation Script** **Post-Operation**

1
+ Add files

JSON

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar. The left sidebar contains icons for file operations like Open, Save, Find, and Delete, along with links for AWS, Python, and Docker.

The main workspace has two tabs open: "JS ufc.js" and "JS testjs". The "testjs" tab displays a JavaScript file with code for a GraphQL client:

```
C: > Users > admin > JS testjs > runTests > query
1 // test.js
2 // external test client for UFC GraphQL server
3
4 const axios = require("axios");
5
6 async function runTests() {
7   const query = `query {
8     fighterByName(name: "Max Holloway") {
9       fullName
10      nickname
11      wins
12      losses
13      heightMeters
14      weightClass
15      fightingOutOf
16    }
17  }
18`;
19
20};
```

The terminal at the bottom shows the output of running the script:

```
PS C:\Users\admin> node test.js
{
  "data": {
    "fighterByName": {
      "fullName": "Max Holloway",
      "nickname": "Blessed",
      "wins": 27,
      "losses": 8,
      "heightMeters": 1.8,
      "weightClass": "Lightweight",
      "fightingOutOf": "Waianae, Hawaii, United States"
    }
  }
}
PS C:\Users\admin>
```