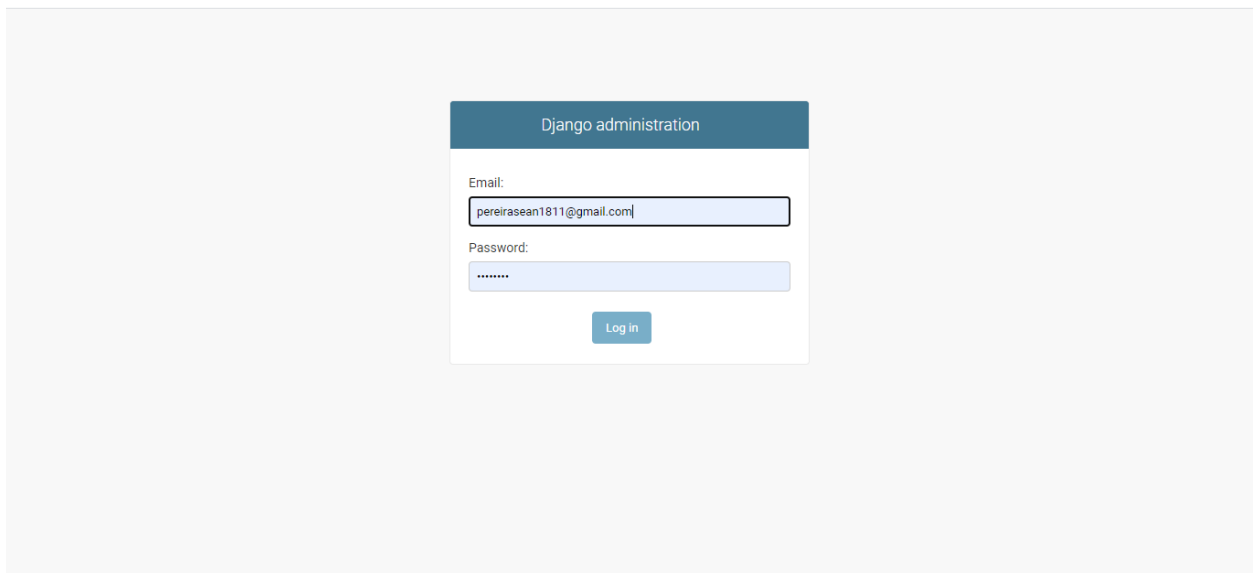


CYBER DIVE CODING PROJECT

1. To install all the dependencies for the project, use this command on your local machine terminal- `pip install -r requirements.txt`
2. Superuser credentials
 - o Email: pereirasean1811@gmail.com
 - o Name: Sean Pereira
 - o pass: pass1234

preview of the Admin login page



3. In this project, to enable token authorization, you will have to add a browser extension called ModHeader; this is the link where you can download <https://chrome.google.com/webstore/detail/modheader/idgpnmonknjnojddfkpgkljpfnnfcklj?hl=en>

How to run the project

1. run `python manage.py runserver` command in your command prompt to start the Django app
2. Paste <http://127.0.0.1:8000/admin/> in your browser and enter your superuser credentials
- 3.

preview of the Admin Dashboard

The screenshot shows the Django administration interface. At the top, there's a header with 'Django administration' on the left and 'WELCOME, SEAN MARCUS PEREIRA VIEW SITE / CHANGE PASSWORD / LOG OUT' on the right. Below the header, the 'Site administration' section is visible. It contains three main categories: 'AUTH TOKEN' with a 'Tokens' link and '+ Add' and 'Change' buttons; 'AUTHENTICATION AND AUTHORIZATION' with a 'Groups' link and '+ Add' and 'Change' buttons; and 'PROFILES_API' with a 'User profiles' link and '+ Add' and 'Change' buttons. To the right of these categories is a 'Recent actions' sidebar. It lists 'My actions' with a list of user profiles, each preceded by a red 'X' icon and followed by 'User profile'. The profiles listed are: seanmarcus.pereira@spit.ac.in, 123@gmail.com, sharmaineperera5000@gmail.com, 123456@gmail.com, josebhag@gmail.com, Sean.Pereira@student.csulb.edu, Sean.Pereira@student.csulb.edu (with a yellow pencil icon), sean.marcus.pereira@gmail.com, pereirasean1811@gmail.com, and Sean.Pereira@student.csulb.edu (with a yellow pencil icon).

4. To view all the API list, put this endpoint in the browser: <http://127.0.0.1:8000/api/>

5. To view all the profile's created, put this endpoint in the browser: <http://127.0.0.1:8000/api/register/>

6. To edit information like the following details mentioned below, but the following endpoint <http://127.0.0.1:8000/api/register/1/> '1' indicates the id of that user

- Email
- Name
- Password

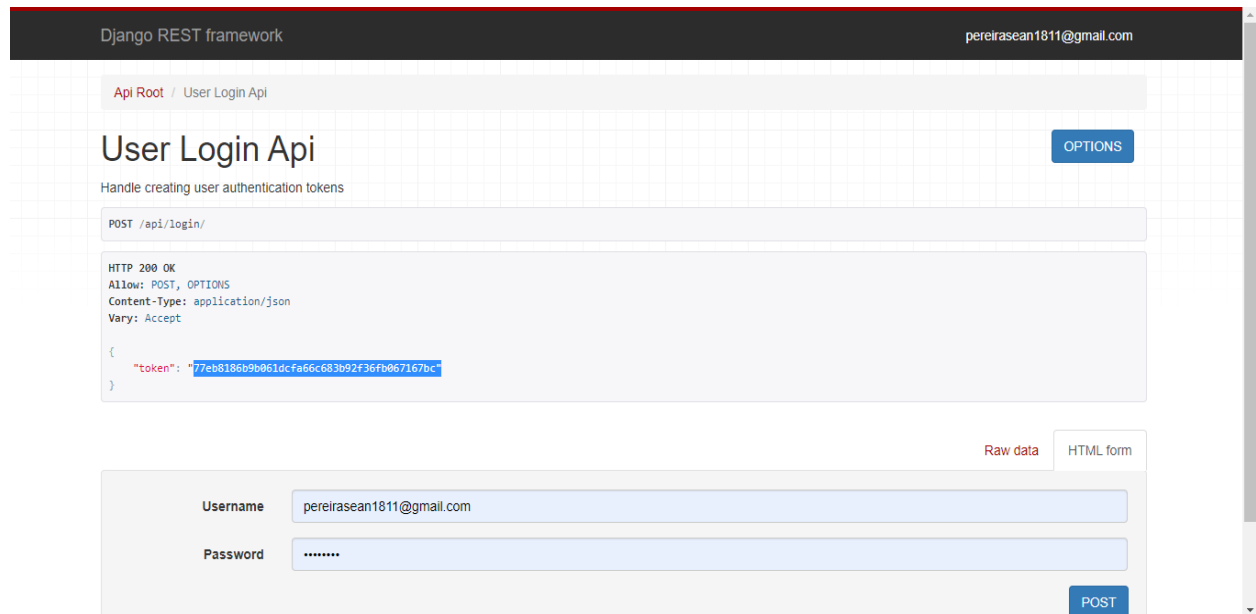
The screenshot shows the Django REST framework 'User Profile Instance' page. At the top, there's a header with 'Django REST framework' on the left and 'pereirasean1811@gmail.com' on the right. Below the header, the page title is 'User Profile Instance'. To the right of the title are three buttons: 'DELETE' (red), 'OPTIONS' (blue), and 'GET' (blue). Below the title, there's a section for 'Handle creating and updating profiles'. It shows a 'GET /api/register/1/' request. Below that, the response is shown in a light blue box. The response is an HTTP 200 OK with 'Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS', 'Content-Type: application/json', and 'Vary: Accept'. The JSON response is: { "id": 1, "email": "pereirasean1811@gmail.com", "name": "Sean Marcus Pereira" }. Below the response, there's a section for 'Raw data' and 'HTML form'. The 'Raw data' tab is selected, showing the JSON response. The 'HTML form' tab is also visible. Below the form, there's a 'PUT' button (blue).

7. To add a new user and authenticate it, you need to add the following endpoint <http://127.0.0.1:8000/api/login/>

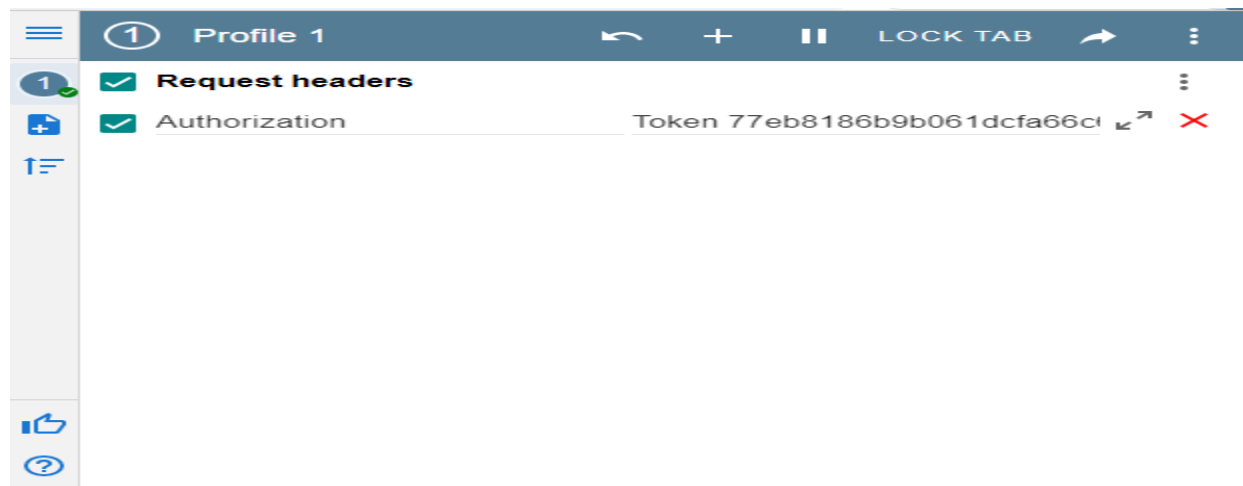
8. Following that, you will get a token for that user, which will enable that user to edit his/her profile.

9. Copy that token in the Mode header extension. Following are the steps to put the token in the ModHeader
- Click on the ModHeader symbol in your browser
 - Click on the "+" symbol add the token
 - In the name section add Authorization and the value section add "Token 77eb8186b9b061dcfa66c683b92f36fb067167bc" for example

preview of the login and Token authorization



preview of the ModHeader



10. Once the user is authorized, he/she can edit their profile and change their name, password, and email address.
11. To log-out, use the following endpoint: <http://127.0.0.1:8000/admin/logout/> and uncheck the token in the MoD header.

12. Now, if the user wants to edit their profile by logging in and going to their profile section, e.g., <http://127.0.0.1:8000/api/register/1/>, they will not be able to edit their profile they do not have authorization or the required token enables.

preview after turning off token authorization in Modheader

The screenshot shows the Django REST framework API browser interface. At the top, there's a breadcrumb trail: 'Api Root / User Profile List / User Profile Instance'. The main heading is 'User Profile Instance' with 'OPTIONS' and 'GET' buttons to its right. Below the heading, it says 'Handle creating and updating profiles'. The selected endpoint is 'GET /api/register/1/'. The response is shown in a light blue box with the following details:

```
HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "id": 1,
  "email": "pereirasean1811@gmail.com",
  "name": "Sean Mrcus Pereira"
}
```

13. To change your password, you can use this endpoint: http://127.0.0.1:8000/admin/password_change/

- You need to put your previous password correctly to change your password

preview of changing her password

The screenshot shows the Django administration interface for changing a password. The header includes 'Django administration' and a user welcome message: 'WELCOME, SEAN MRCUS PEREIRA. CHANGE PASSWORD / LOG OUT'. The breadcrumb trail is 'Home > Password change'. The page title is 'Password change'. A message states: 'Please enter your old password, for security's sake, and then enter your new password twice so we can verify you typed it in correctly.'

The form consists of three input fields:

- Old password:** A text input field.
- New password:** A text input field. Below it, there are four validation messages:
 - Your password can't be too similar to your other personal information.
 - Your password must contain at least 8 characters.
 - Your password can't be a commonly used password.
 - Your password can't be entirely numeric.
- New password confirmation:** A text input field.

At the bottom right, there is a 'CHANGE MY PASSWORD' button.

14. To login with a newly registered user using Django admin, you need to set `is_staff` so that, the user can login with those details.

Use this endpoint and click on the newly registered user you want to allow to login using the Django Administration: http://127.0.0.1:8000/admin/profiles_api/userprofile/

Django administration

WELCOME, [SEAN MRCUS PEREIRA](#) [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home » Profiles_Api » User profiles

Select user profile to change

ADD USER PROFILE +

Action: 0 of 3 selected

<input type="checkbox"/>	USER PROFILE
<input type="checkbox"/>	sean.marcus.pereira@gmail.com
<input type="checkbox"/>	josebhag@gmail.com
<input type="checkbox"/>	pereirasean1811@gmail.com

3 user profiles