Topic: Project Setup, Modern Admin Panel Part 1

Speaker: Udemy Instructor Destiny | Notebook: Health Management System Using Django

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1. Create a new folder and a new environment. Activate it.

```
$ python -m venv venv
$ source venv/scripts/activate
$ pip freeze
$ pip install django
```

2. Create a new project: in this new folder.

```
$ django-admin startproject HMS_main.
```

3. Run the server:

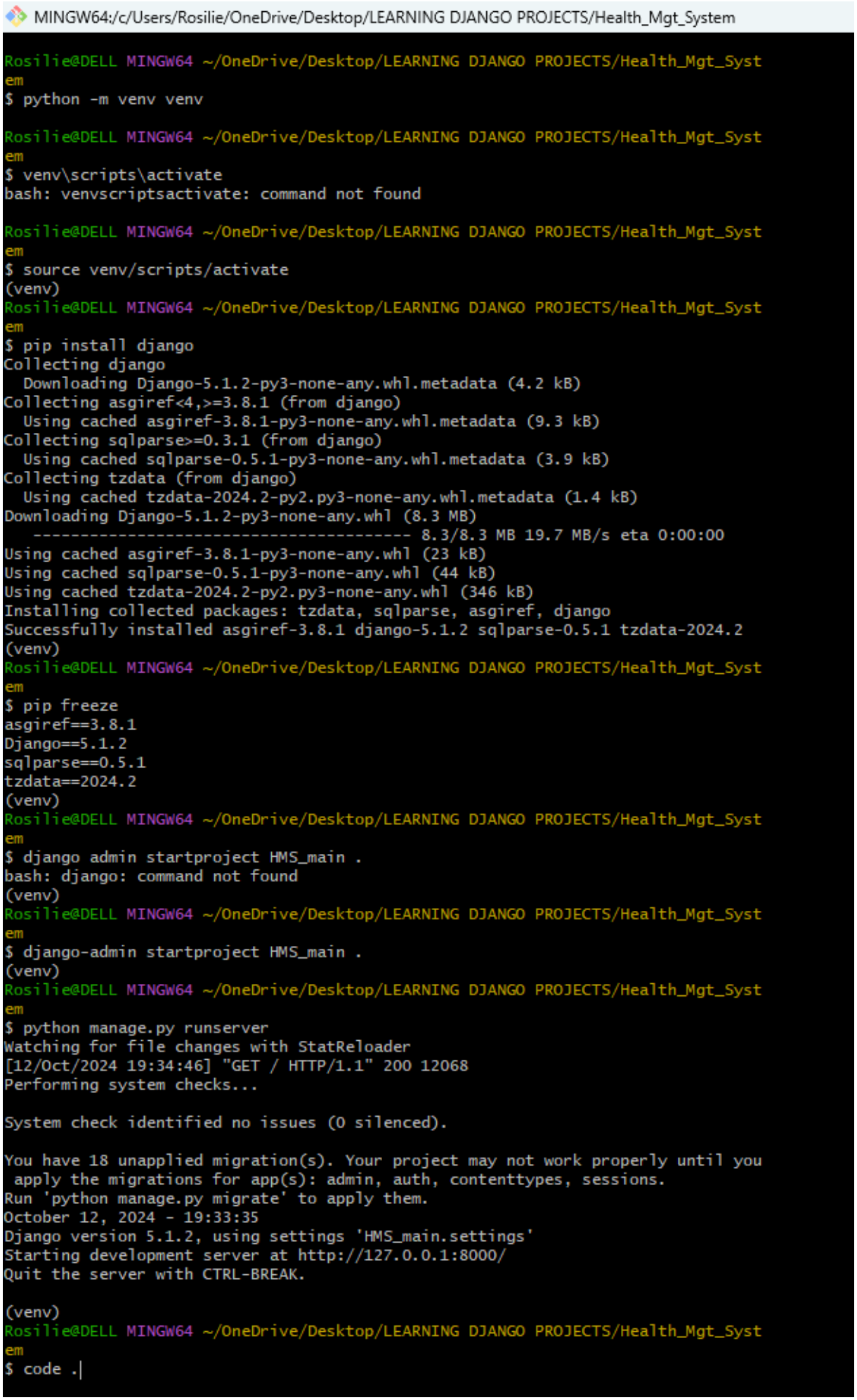
```
$ python manage.py runserver
```

```
http://localhost:8000/
```

4. Open now a VS Code with this folder or type:

```
$ code .
```

```
* we have to use PIP INSTALL DJANGO again in VS Code's terminal.
```



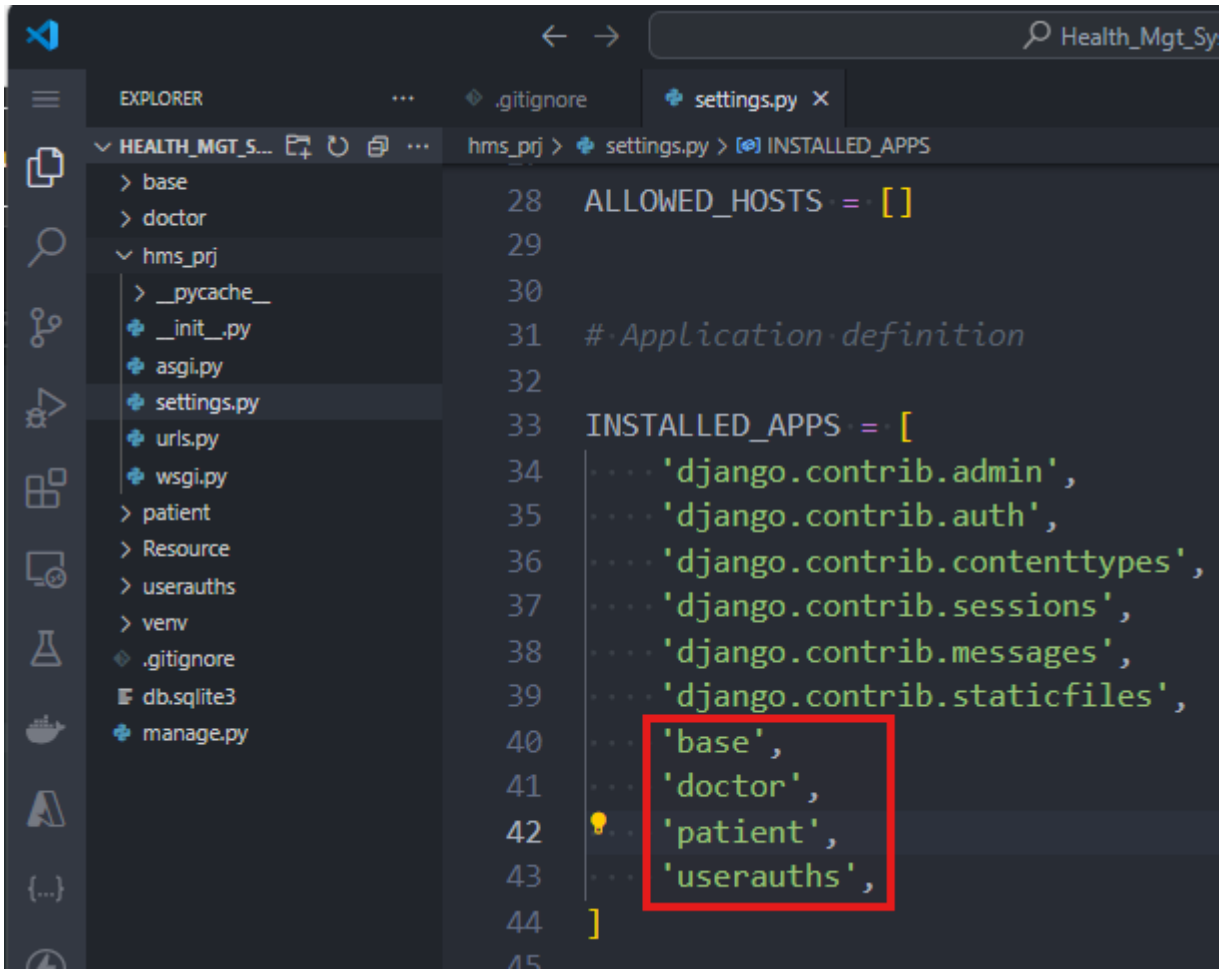
5. Create new apps and update SETTINGS.PY. I CHANGED THE PROJECT NAME FROM **'hms_prj'** TO '**HMS_MAIN'**

```
$ python manage.py startapp base

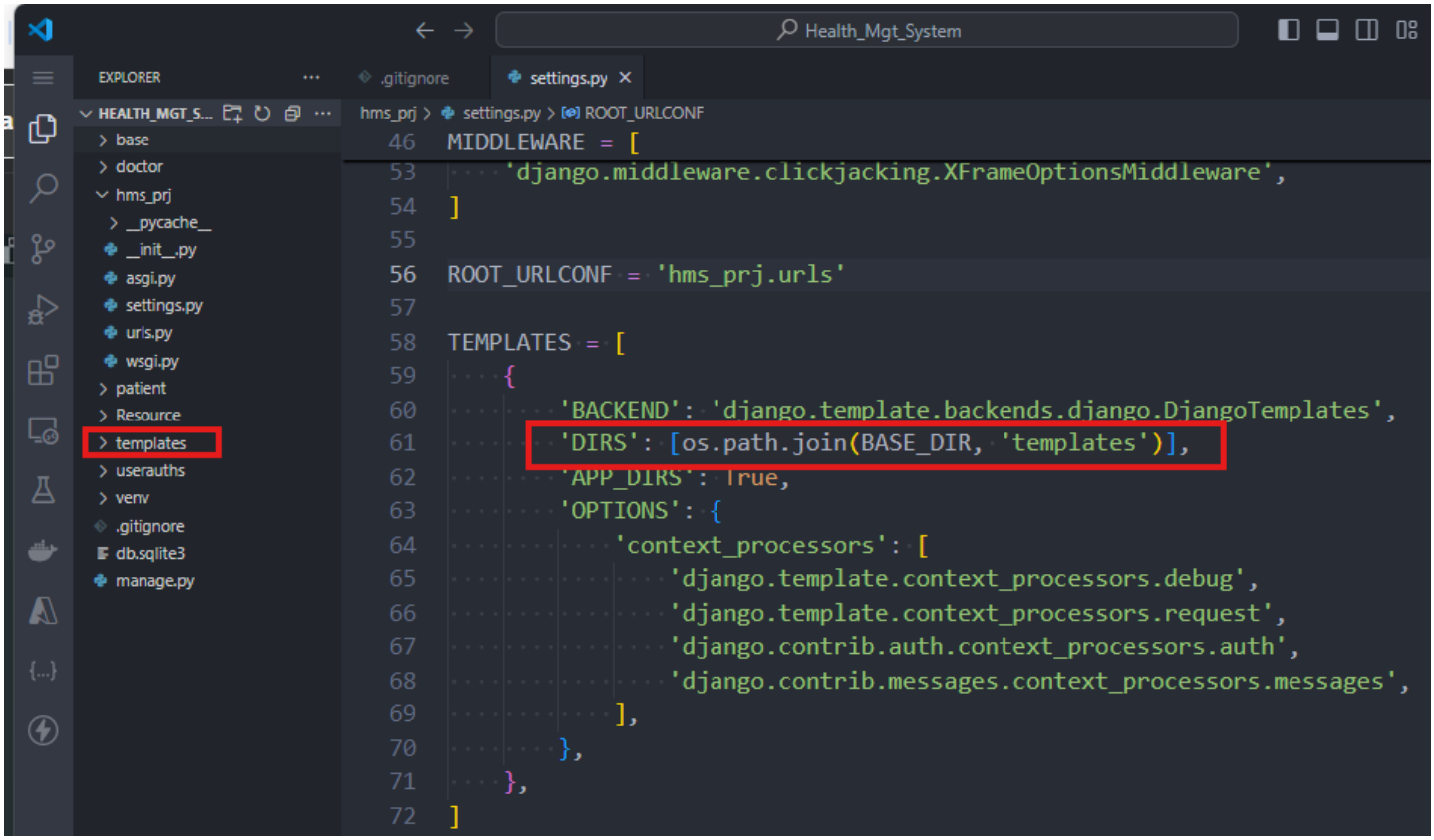
$ python manage.py startapp doctor

$ python manage.py startapp patient

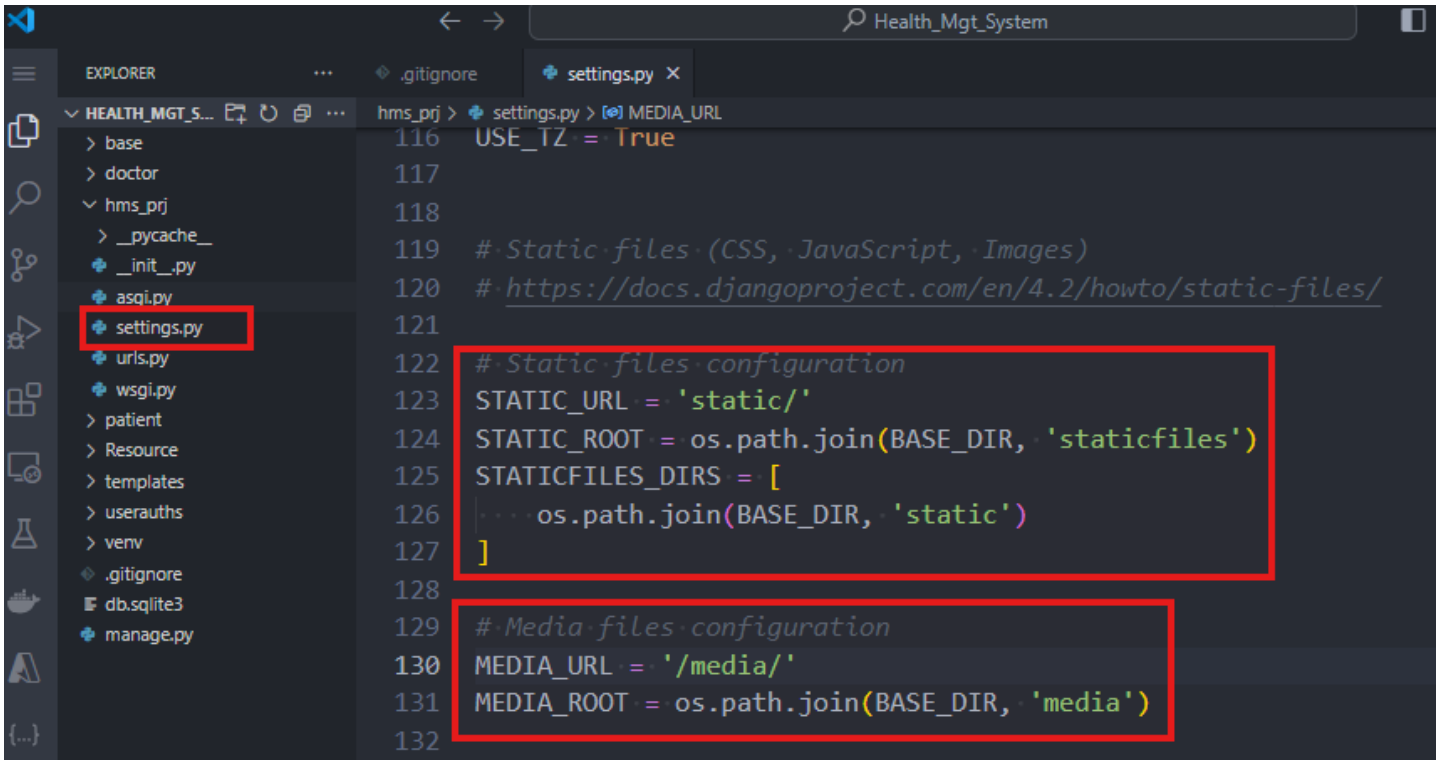
$ python manage.py startapp userauths
```



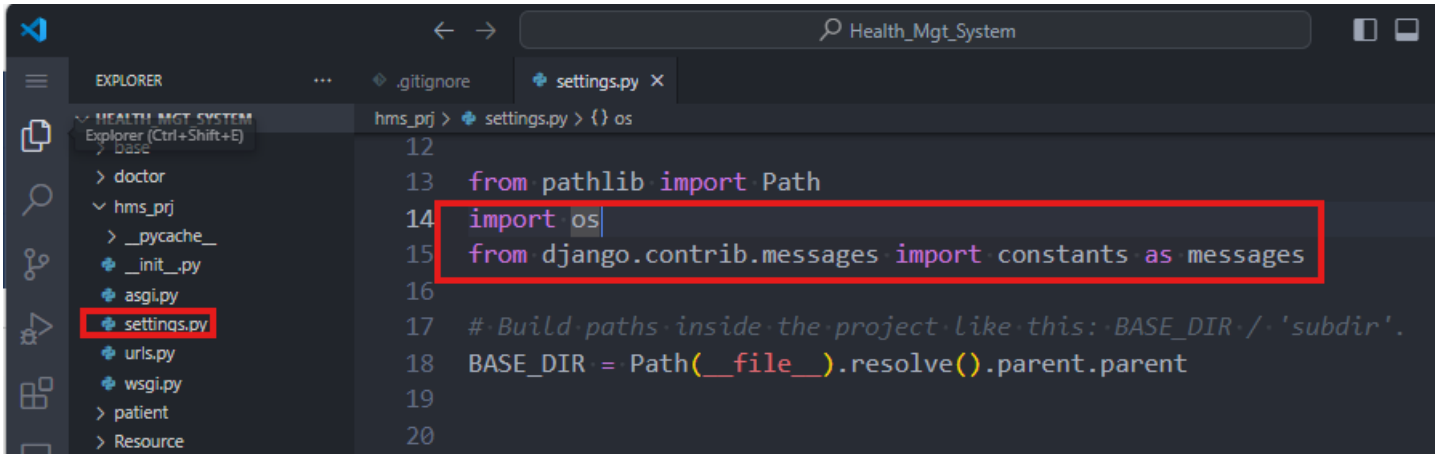
6. Create a new folder, TEMPLATES and update our SETTINGS.PY.



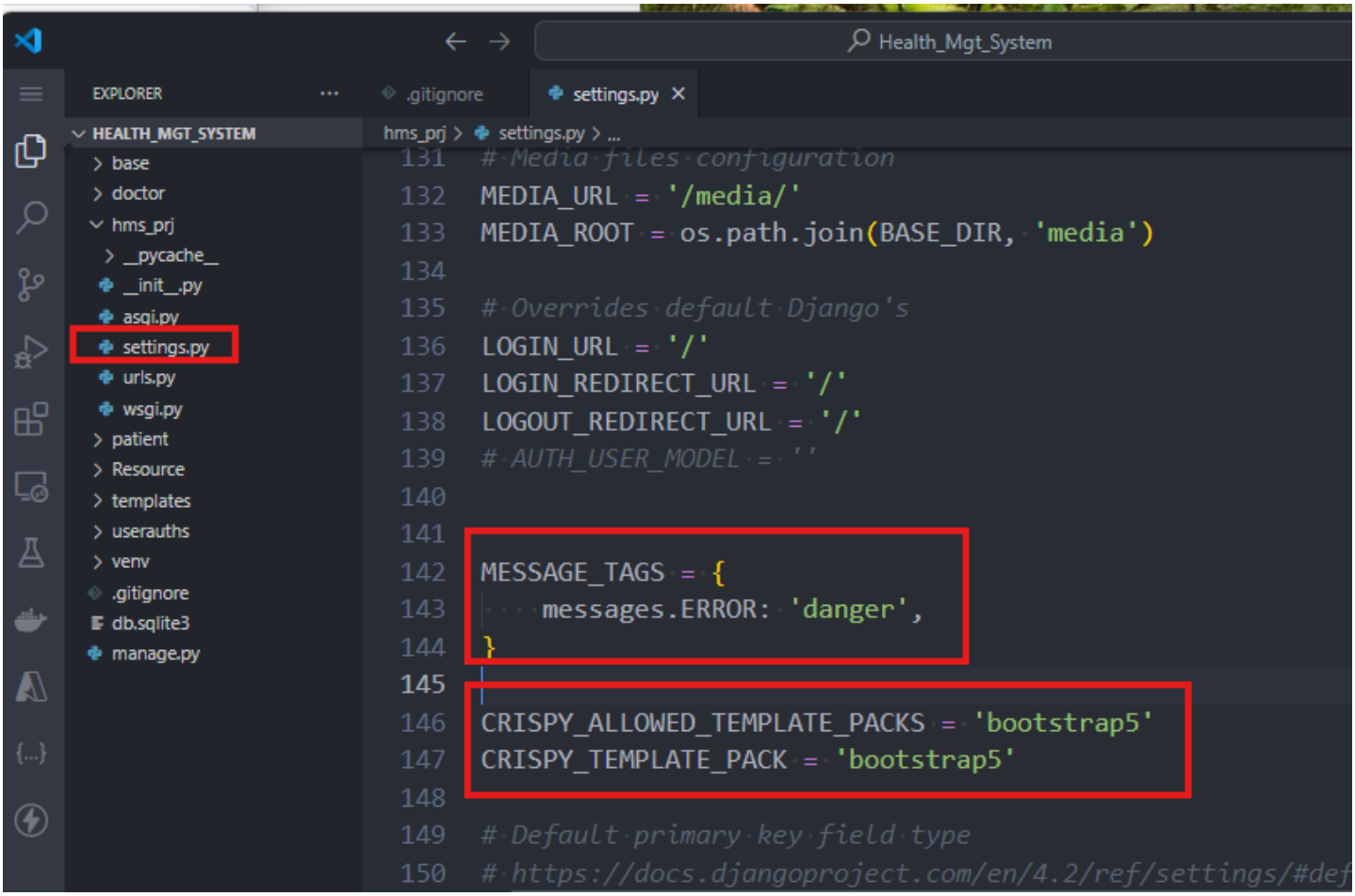
7. Set up the STATIC AND MEDIA configurations.



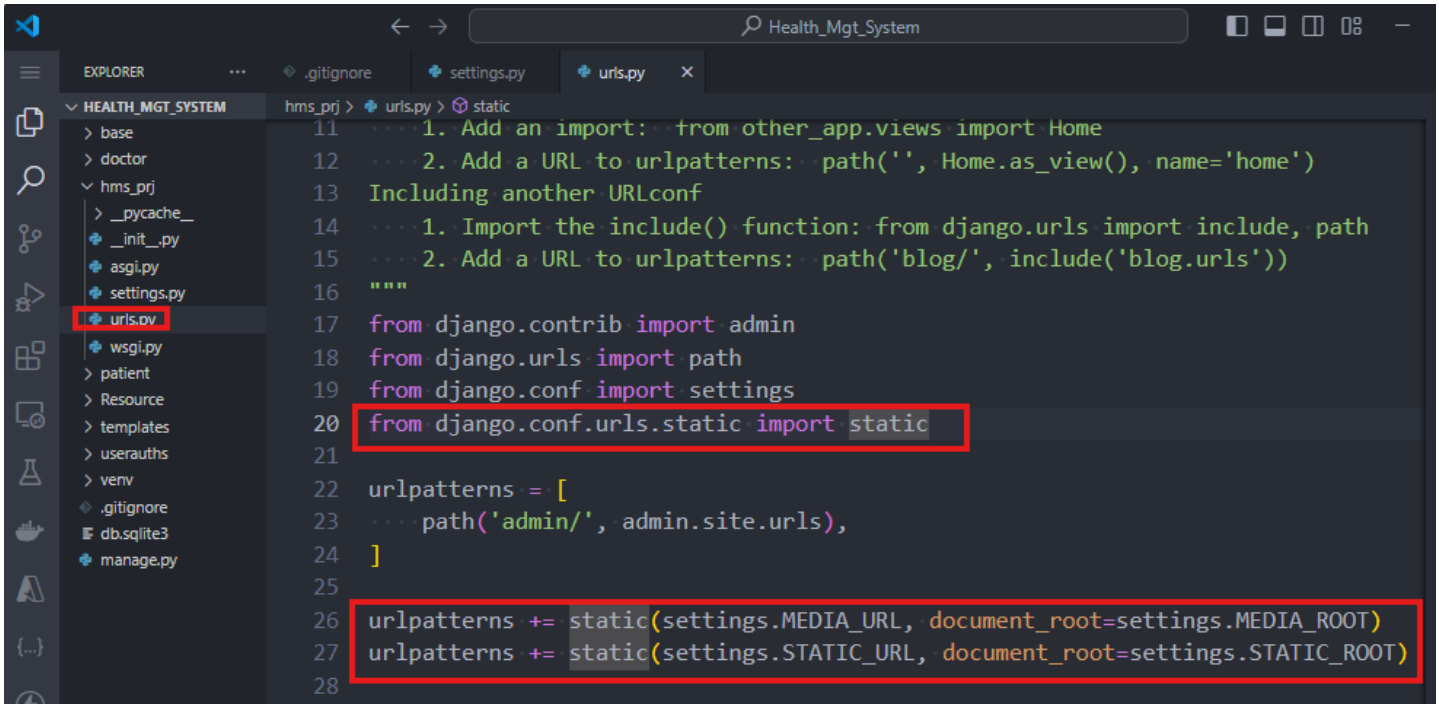
8. Update SETTINGS.PY to override default login/logout and user models:



9. For messages and forms configuration, update our SETTINGS.PY:



10. Update our project URLS.PY to include the path to our static and media files:



11. To access our ADMIN PANEL, run the migrations to see the default model.

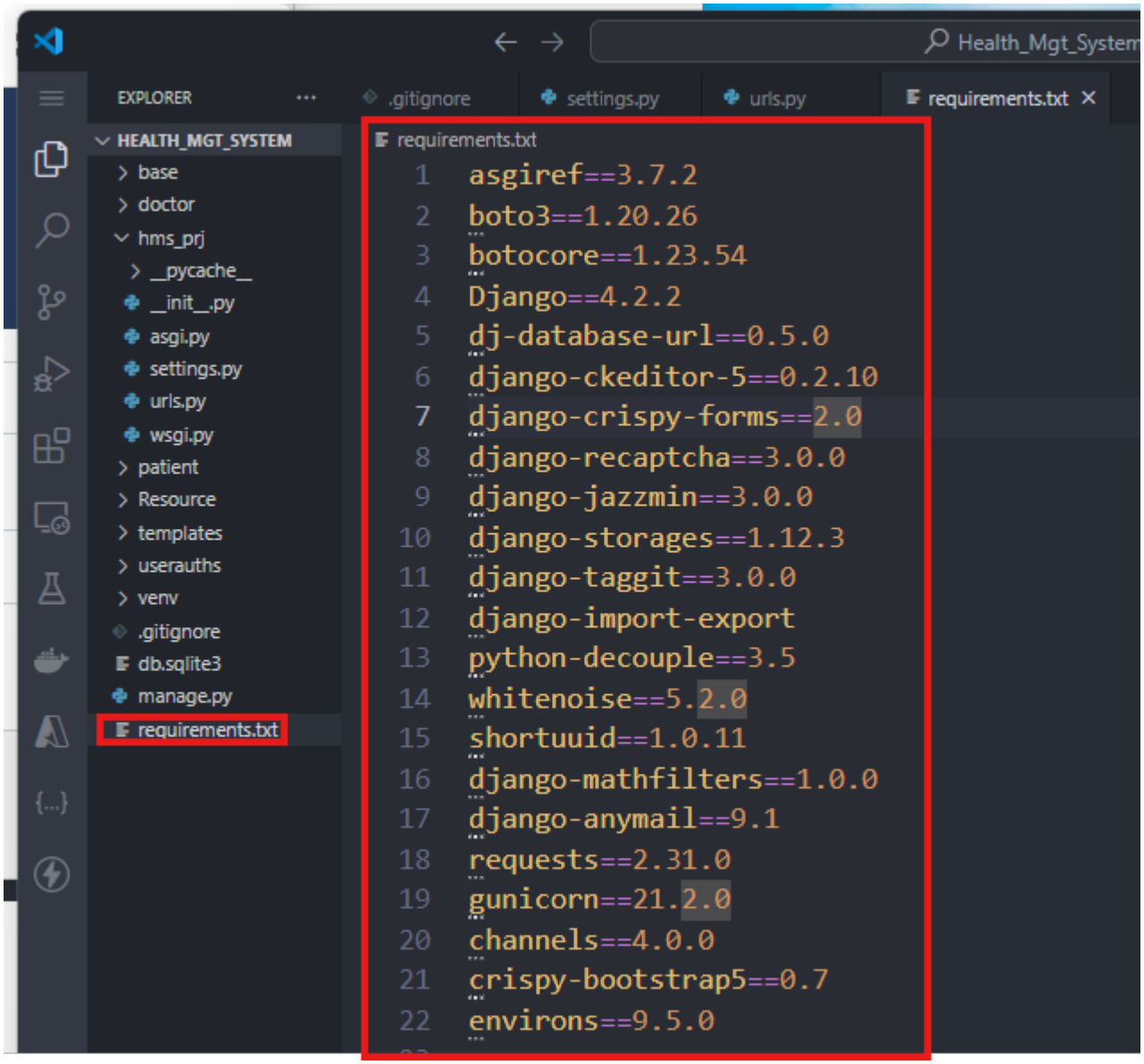
```
$ python manage.py migrate
```

12. Create your superuser

```
$  python manage.py createsuperuser
```

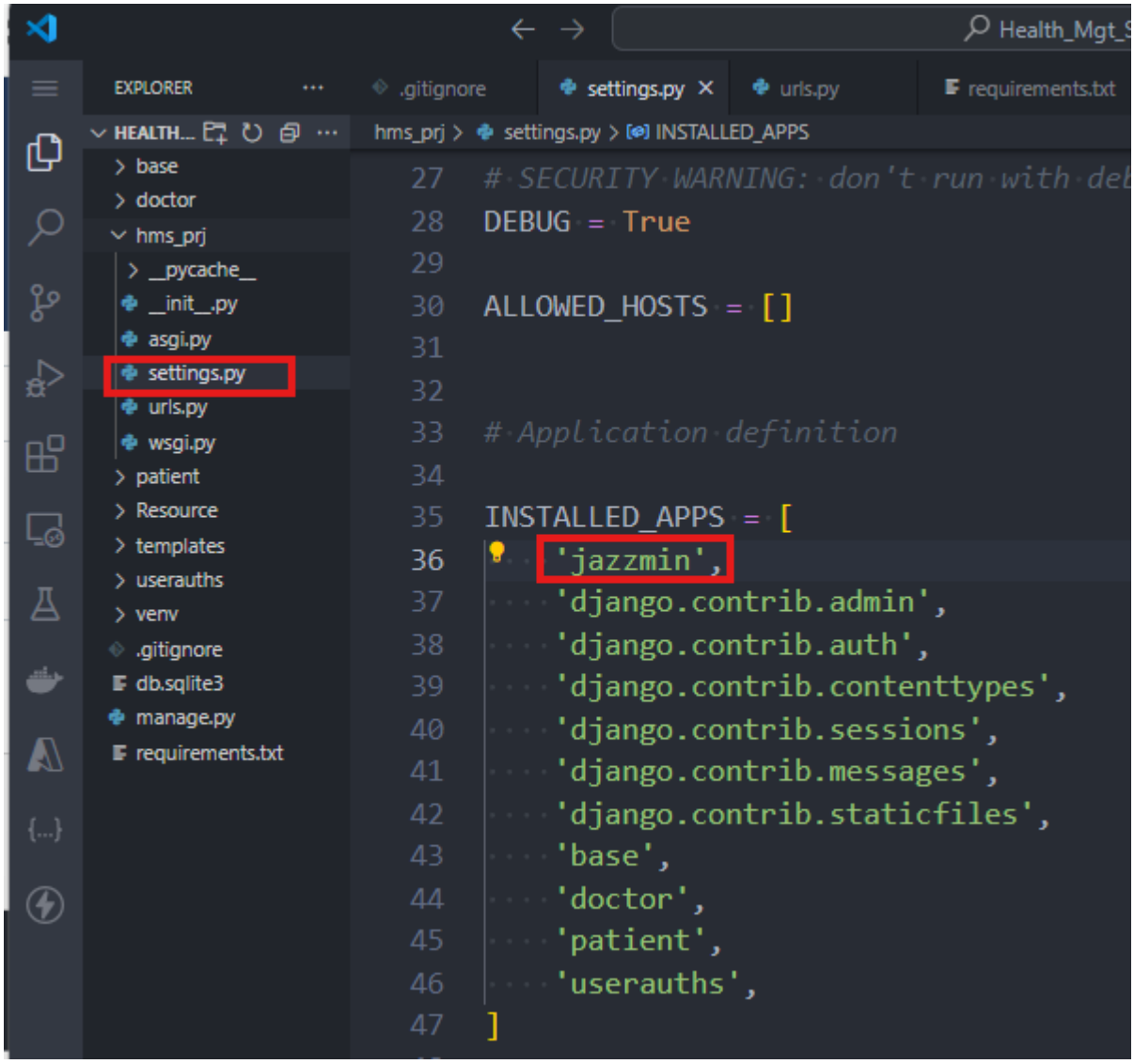
13. Install the packages from the RESOURCE folder. This will install the packages used by the instructor.

```
$ pip install -r requirements.txt
```

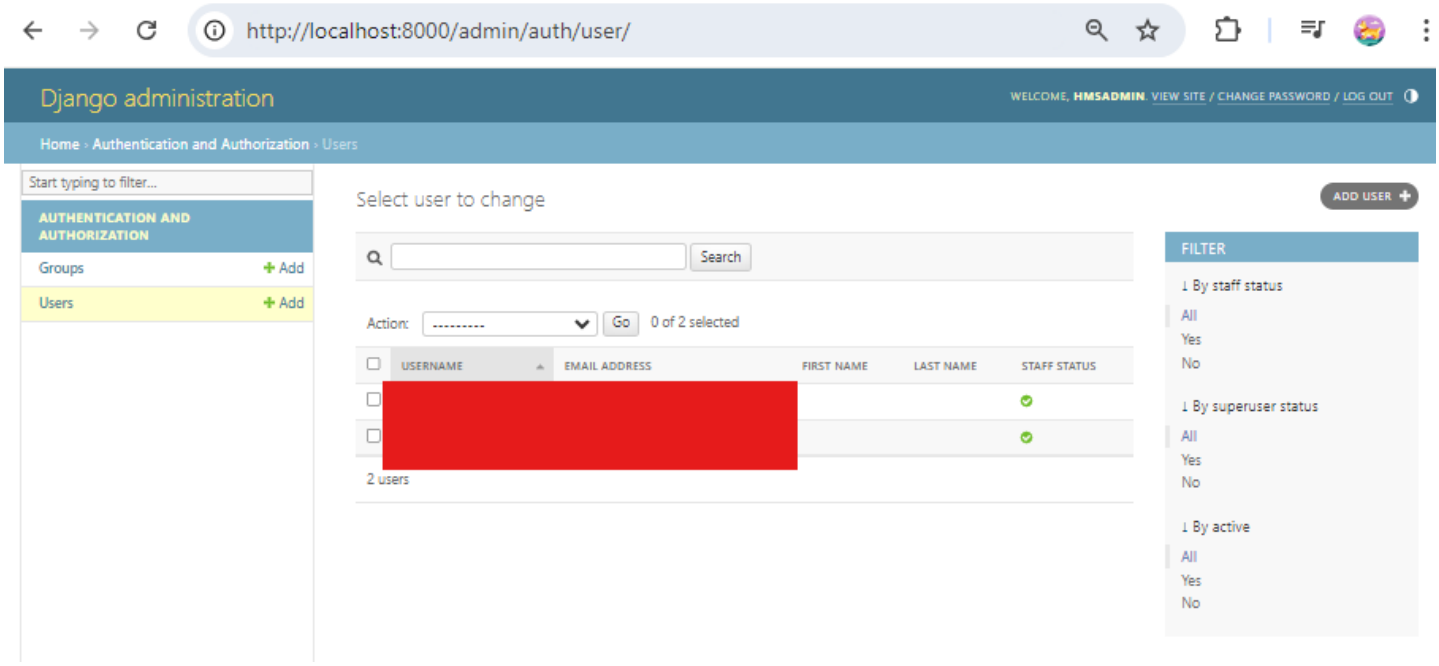


14. Instead of using default DJANGO ADMIN DASHBOARD, we use the package DJANGO JAZZMIN for a more customizable and modern look.

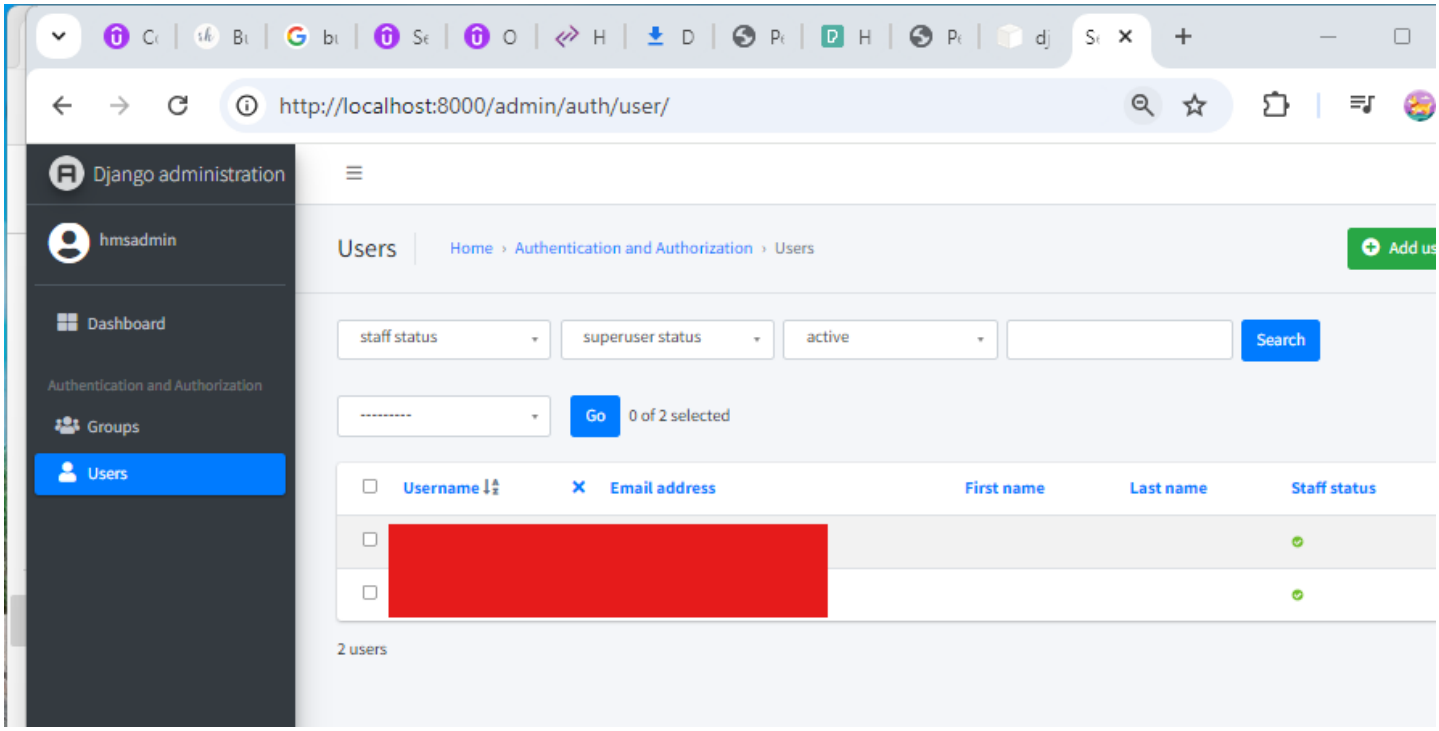
Include JAZZMIN in your INSTALLED_APPS in SETTINGS.PY



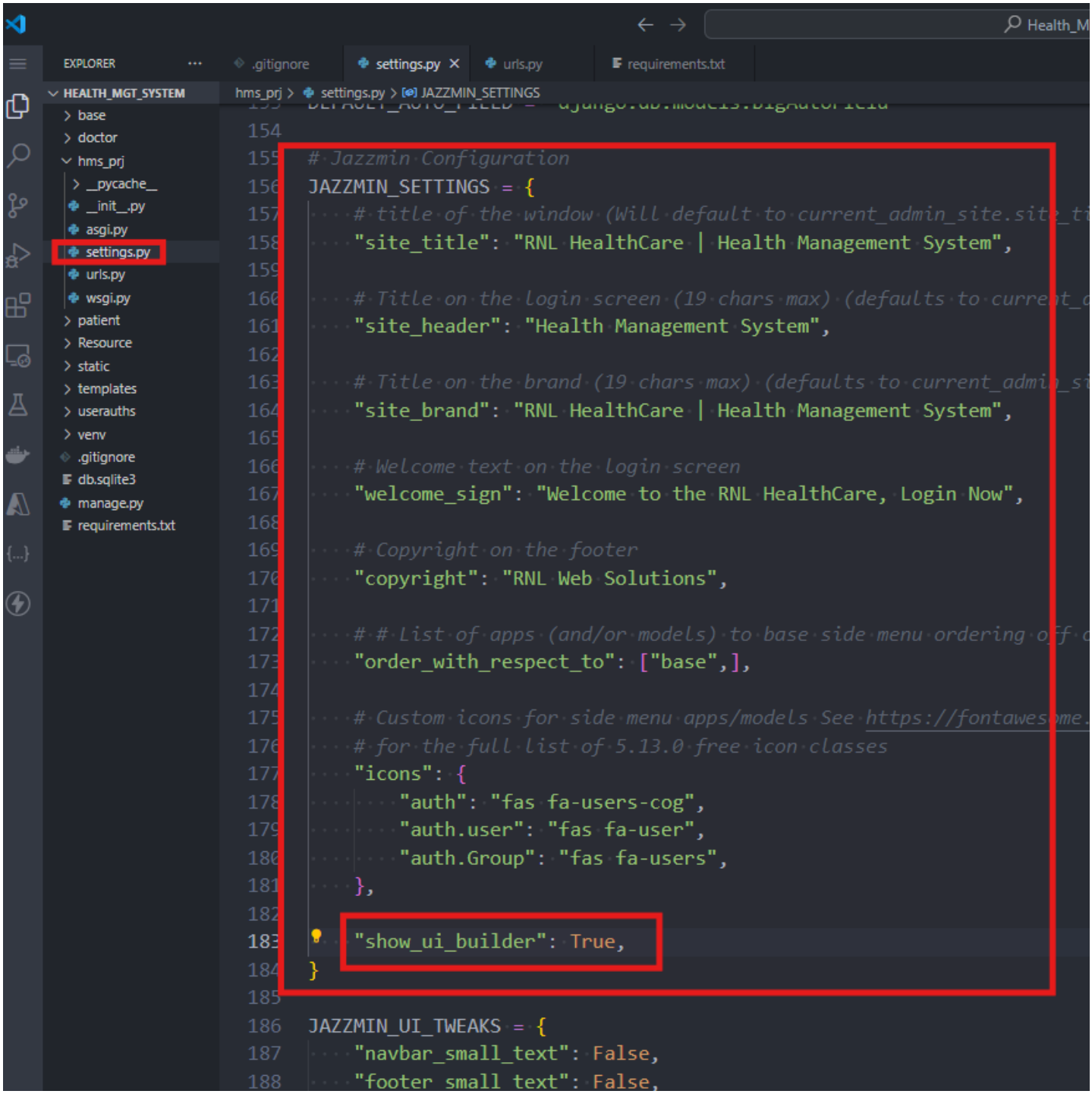
BEFORE JAZZMIN:



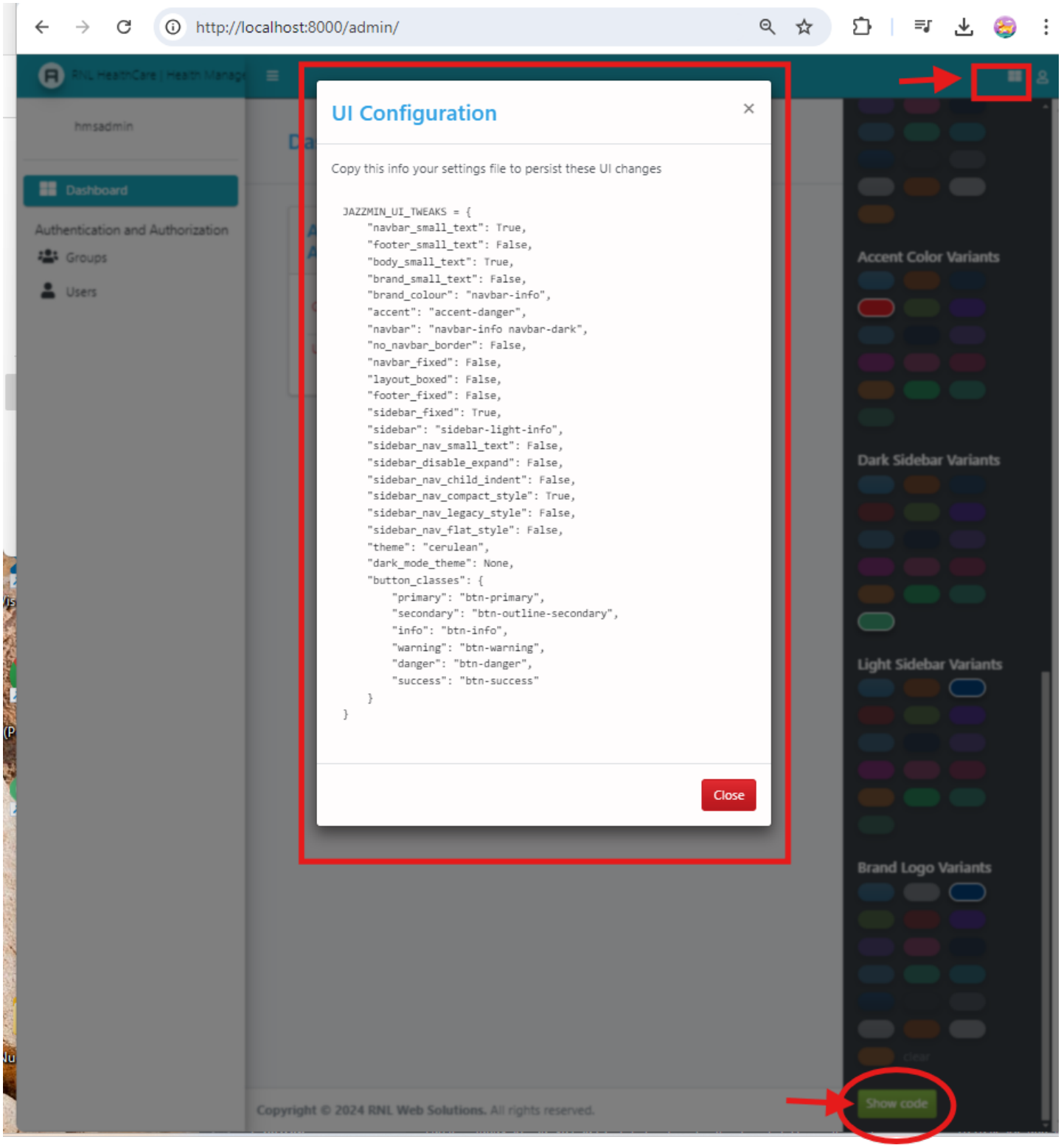
AFTER JAZZMIN:



15. To add a more customizable look to the admin panel, add in the SETTINGS.PY the JAZZMIN_SETTINGS. Documentation here.



16. Reload your page and in the admin dashboard, you will see the UI builder, you need to copy this code and add this as JAZZMIN_TWEAKS. COPY THIS CODE INTO YOUR SETTINGS.PY.



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