

Set up the Development Environment:

- Install Python 3.8.5 (or higher) if you haven't already.
- Create a new virtual environment using your preferred method (e.g., `python -m venv env`).
- Activate the virtual environment (e.g., `source env/bin/activate` on Unix-like systems, or `env\Scripts\activate` on Windows).
- Install the required dependencies from the requirements.txt file:

➤ **PIP INSTALL -R REQUIREMENTS.TXT**

The required dependencies are:

- Django==4.2.15
- djangoRESTframework==3.15.2
- Faker==27.0.0
- psycopg2==2.9.9

Configure the Database:

- Done with sqlite itself , continue with default settings

Run Migrations:

Apply the initial database migrations:

- **python manage.py makemigrations**
- **python manage.py migrate**

Populate the Database with Sample Data:

- Run the provided management command to populate the database with sample data:
 - **python manage.py generate_data**

Start the Development Server:

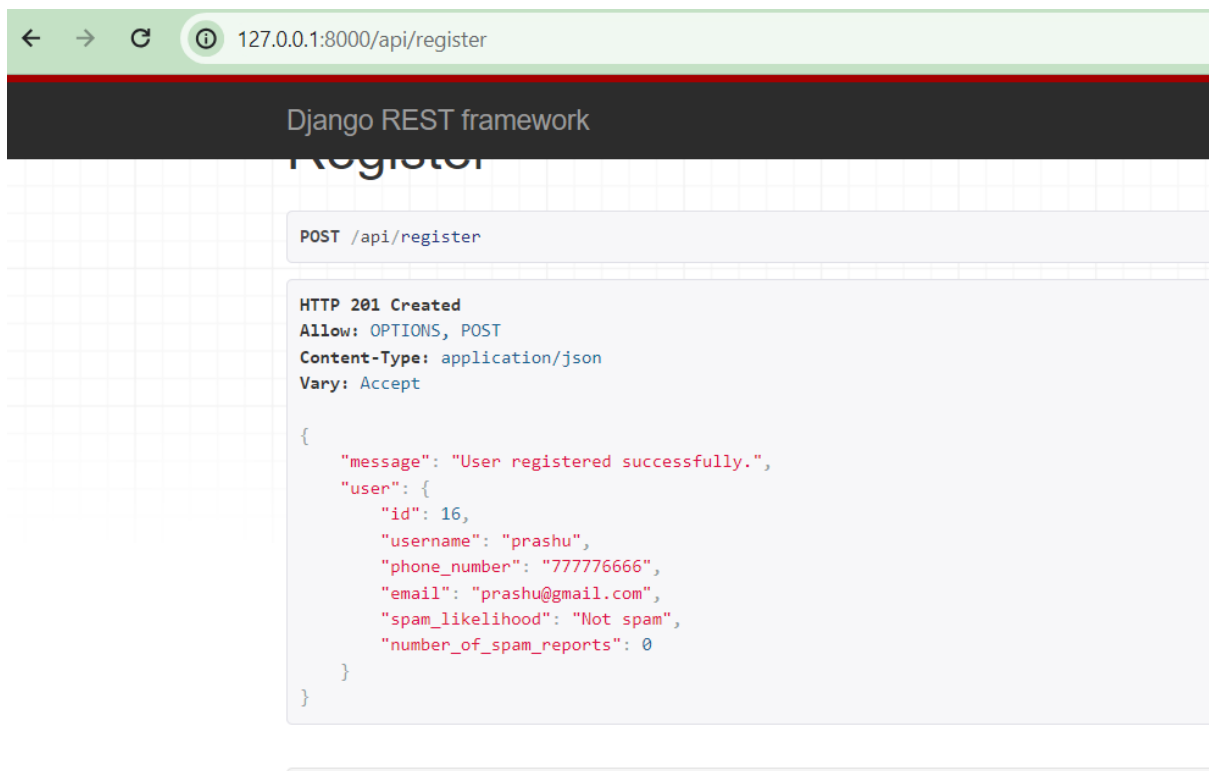
- Run the Django development server:
 - **python manage.py runserver**
- The server will start running at <http://127.0.0.1:8000/>.

Test the API Endpoints:

- You can use a tool like browser, Postman or curl to interact with the API endpoints.
- The available endpoints are:
 - /api/users/: CRUD operations for users
 - /api/contacts/: CRUD operations for contacts
 - /api/spam/: CRUD operations for spam reports
 - /api/contacts/search/: Search for contacts by name or phone number

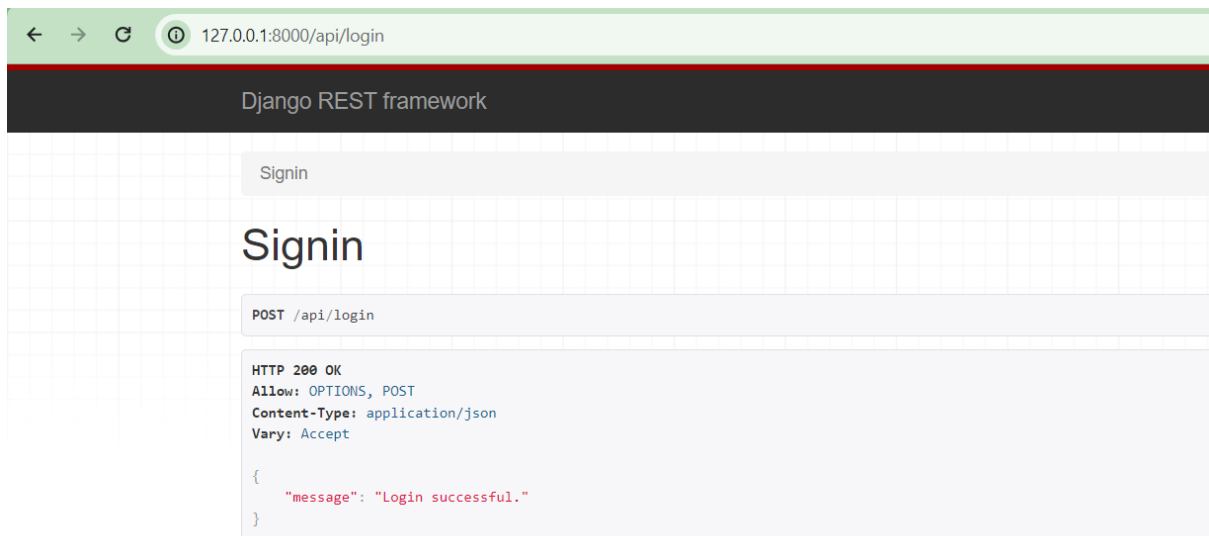
Register Endpoint :

<http://127.0.0.1:8000/api/register>



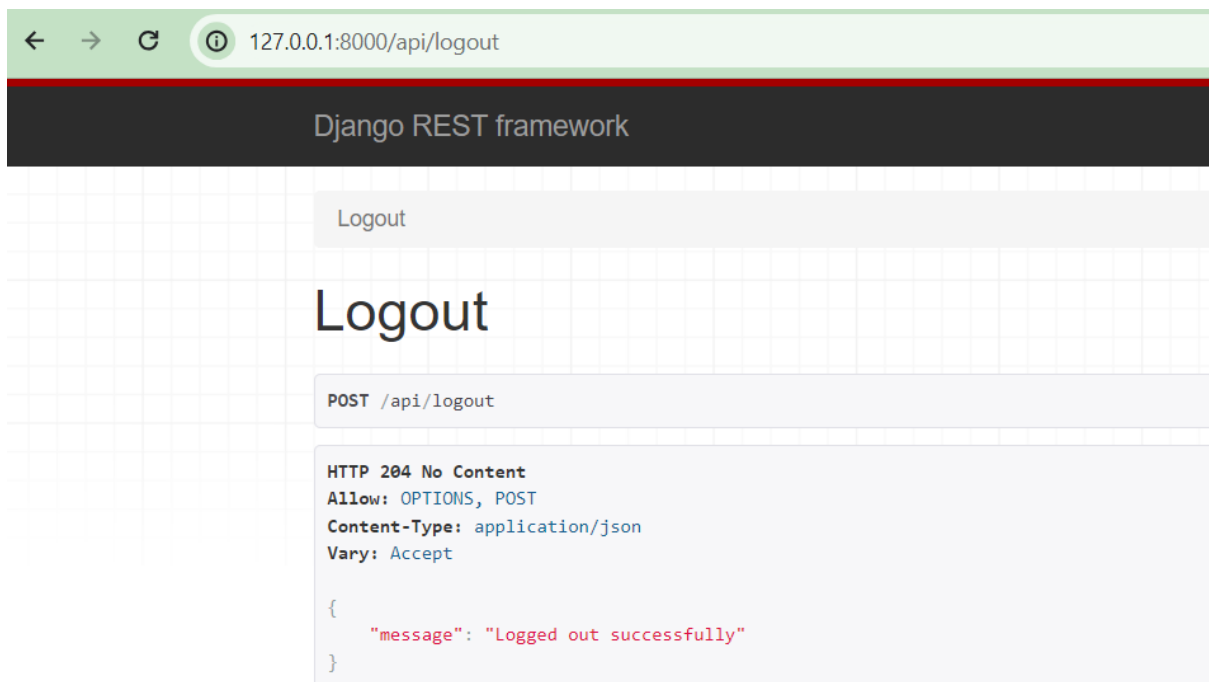
Login Endpoint :

<http://127.0.0.1:8000/api/login>



Logout Endpoint :

<http://127.0.0.1:8000/api/logout>



Mark-as-spam:

<http://127.0.0.1:8000/api/mark-spam>

Search by name :

<http://127.0.0.1:8000/api/search-contacts/?q=xyz&type=name>

Search by phone number:

<http://127.0.0.1:8000/api/search-contacts/?q=0000088888&type=phone>

Click on a contact:

<http://127.0.0.1:8000/api/search/8888899999/3>