

Step-by-Step Setup Guide for Django CRUD Application

Step 1: Install Dependencies

Start by installing all the required Python packages listed in the requirements.txt file. Make sure you're in the root directory of the project and then run the following command:

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

This will install Django and the MySQL client library needed for database connectivity.

Step 2: Create Database Migrations

Before that create database named **crud_db** to apply migrations.

Create database crud_db;

Once the dependencies are installed, you need to generate the necessary migration files for your Django models. Run this command to create migrations specifically for the core app:

```
python manage.py makemigrations core
```

This step prepares Django to create the corresponding database tables.

Step 3: Apply Migrations to the Database

After the migration files are created, you need to apply them to your MySQL database. This will create the necessary tables and structure in your database:

```
python manage.py migrate
```

Make sure your database credentials (name, user, password, host, and port) are correctly configured in the mycrudapp/settings.py file.

Step 4: Run the Development Server

Finally, start the Django development server to launch your application locally. Use the following command:

```
python manage.py runserver
```

After the server starts, open your web browser and visit <http://127.0.0.1:8000> to interact with the CRUD application.