

A simple REST CRUD api

Installing required libraries:

This project requires certain Python libraries in order to function properly:

You can install these libraries by typing following command:

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

MySQL DB:

To use MySQL db instead of sqlite3 you can simply change database settings in settings.py file.

```
79
80
81 # Database
82 # https://docs.djangoproject.com/en/2.2/ref/settings/#databases
83
84 DATABASES = {
85     'default': {
86         'ENGINE': 'django.db.backends.sqlite3',
87         'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
88     }
89 }
90
91
92 # Password validation
```

And replace them with this (your own mysql settings):

```
# Database
# https://docs.djangoproject.com/en/2.2/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'DB_NAME',
        'USER': 'DB_USER',
        'PASSWORD': 'DB_PASSWORD',
        'HOST': 'localhost', # Or an IP Address that your DB is hosted on
        'PORT': '3306',
    }
}
```

If you're using Oracle's MySQL connector your ENGINE line should look like this:

```
'ENGINE': 'mysql.connector.django',
```

You'll also need to install mysqlclient package. Install it by typing:

```
pip install mysqlclient
```

It's listed in requirements.txt as well so you don't need to install it anew if you've already installed all packages in requirements.txt.

Generate SQL Commands:

Open terminal and then type following command to generate SQL commands:

```
python manage.py makemigrations <app>
```

Execute SQL Commands:

Open terminal and then type following command to run tests:

```
python manage.py migrate
```

Running Tests:

Open cmd in xprj and then type following command to run tests:

```
python manage.py test
```

Starting Server:

Open terminal and then type following command to run the server:

```
python manage.py runserver
```

Create Superuser:

Open terminal and then type following command to run the server:

```
python manage.py createsuperuser
```

Admin Panel:

You can access admin panel by going to <http://127.0.0.1:8000/admin/> . You can view, edit and add new database entries from admin panel. You need to be authenticated in order to use it and here are the credentials:

Username: admin

Password: admin123