# Joke Application Project Using Django Framework

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Django is a high-level Python-based Web Framework that allows rapid development and clean, pragmatic design. It is also called batteries included framework because Django provides built-in features for everything including Django Admin Interface, default database SQLlite3, etc. Today we will create a Joke app in Django.

Installation

```
pip3 install django
pip3 install pyjokes
```

Basic Setup

Django    Views    Model    Template    Forms    Jinja    Python SQLite    Flask    Json    Postman    Interview Ques

Start a project by the following command

```
django-admim startproject jokeapp
```

Change the directory to joke app

```
cd jokeapp
```

Start the server- Start the server by typing the following command in the terminal –
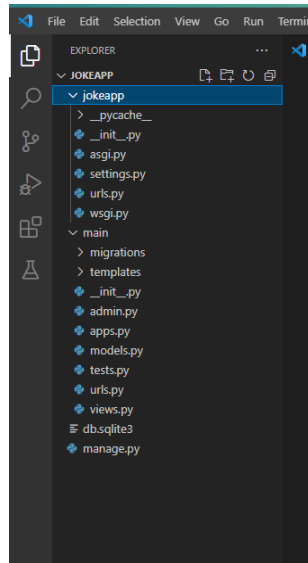
```
python manage.py runserver
```

To check whether the server is running or not go to a web browser and enter http://127.0.0.1:8000/ as URL.

## Create the main App

```
python manage.py startapp main
```

Goto main/ folder by doing: cd main and create a folder with index.html file: templates/main/index.html

Open the project folder using a text editor. The directory structure should look like this :



Now add the main app in your jokeapp in **settings.py.**



Edit the **urls.py** in jokeapp

## Python3

```python
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path("", include("main.urls")),
]
```

Create new **urls.py** in your main app (jokeapp/main/)

## Python3

```python
from django.urls import path
from .views import *

urlpatterns = [
    path("", home, name="home"),
]
```

Edit **views.py** in the main

## Python3

```python
from django.shortcuts import render,HttpResponse
import pyjokes
# Create your views here.

def home(request):
    joke=pyjokes.get_joke()
    return render(request,"main/index.html",{"joke":joke})
```

Create new templates folder inside the main inside that create another folder main and create the new file index.html. (main/templates/main/index.html)

**index.html**

## HTML

```html
<html>
  <head>
    <title>Home Page</title>
  </head>
<body>
<h3>{{joke}}</h3>
</body>
</html>
```

**Output:**

Now you can run the server to see your joke app

```
python manage.py runserver
```

Complaining about the lack of smoking shelters, the nicotine addicted Python programmers said there ought to be 'spaces for tabs'.

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