Wikipedia search app Project using Django

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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 joke app in django.

In this article we will make the wikipedia search app using django. For searching on wikipedia we will use “wikipedia” library in python

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

Creating Django Project –

First we have to install django

Ubuntu

```
pip install django
```

Then install wikipedia library

```
pip install wikipedia
```

Lets create new django project

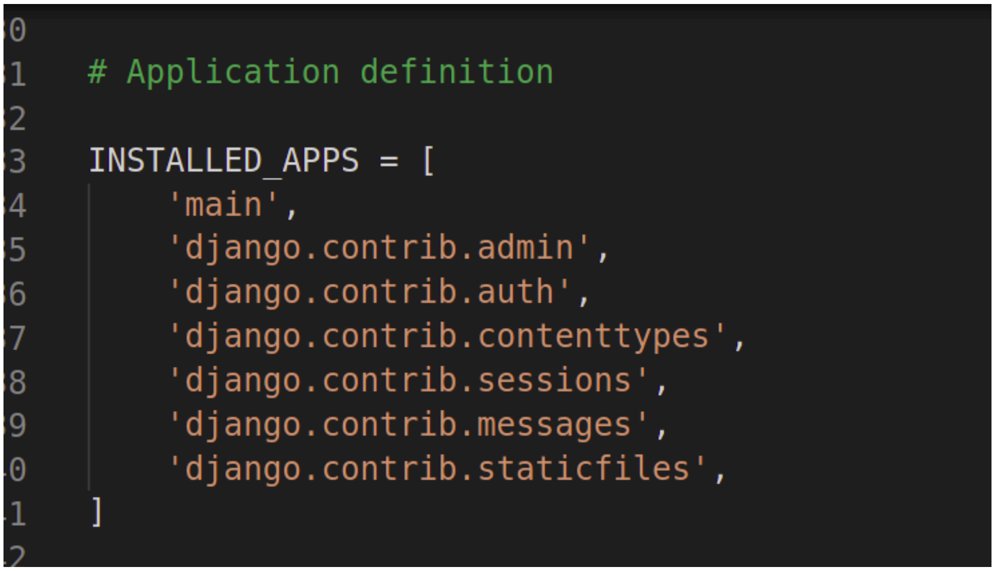
```
django-admin startproject wikipedia_app
```

```
cd wikipedia_app
```

Then create new app in django project

```
python3 manage.py startapp main
```

Then add app name inside the **settings.py** inside INSTALLED_APPS



```
# Application definition

INSTALLED_APPS = [
    'main',
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
]
```

views.py

Python3

```
from django.shortcuts import render,HttpResponse
import wikipedia


# Create your views here.
def home(request):
    if request.method == "POST":
        search = request.POST['search']
        try:
            result = wikipedia.summary(search,sentences = 3) #No of sentences tha
        except:
            return HttpResponse("Wrong Input")
        return render(request,"main/index.html",{"result":result})
    return render(request,"main/index.html")
```

Create new directory **templates** inside that create new directory **main**

Inside that create new file **index.html**

index.html

HTML

```
<!DOCTYPE html>
```

```
<html>
<head>
    <title>GFG</title>
</head>
<body>
    <h1>Wikipedia Search</h1>
    <form method="post">
        {% csrf_token %}
        <input type="text" name="search">
        <button type="submit">Search</button>
    </form>
    {% if result %}
        {{result}}
    {% endif %}
</body>
</html>
```

Create new file **urls.py** inside the main app

Python3

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

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

wikipedia_app/urls.py

Python3

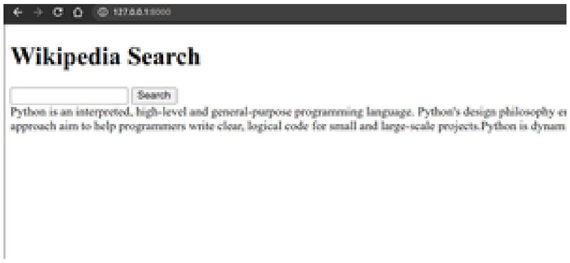
```
from django.contrib import admin
from django.urls import path,include

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

To run this app open cmd or terminal

```
python3 manage.py runserver
```

Output :-



Wikipedia Search

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approach aim to help programmers write clear, logical code for small and large-scale projects.Python is dynam

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