

Django codes

For simple registration,model creation,database connectivity

Settings.py

```
70
71 WSGI_APPLICATION = 'doctors.wsgi.application'
72
73
74 # Database
75 # https://docs.djangoproject.com/en/5.0/ref/settings/#databases
76
77 DATABASES = {
78     'default': {
79         'ENGINE': 'django.db.backends.mysql',
80         'NAME': 'saran',
81         'USER': 'root',
82         'HOST': 'localhost',
83         'PASSWORD': '',
84         'PORT': 3306
85     }
86 }
```

On terminal, venv> pip install mysqlclient

Create html page =templates>new>html file>simplereg.html

A screenshot of a code editor window. The top bar shows 'Version control' and a 'main' branch. The editor has several tabs open: 'views.py', 'models.py', 'doctorapp.urls.py', 'index.html', 'base.html', 'doctors.urls.py', 'settings.py', and 'simplereg.html'. The 'simplereg.html' tab is active, showing a Django template. The template starts with a block named 'hai' and contains a registration form. The form is enclosed in a container with Bootstrap classes. It includes a title 'REGISTRATION !!!', a CSRF token, and three input fields: 'name' (text), 'email' (email), and 'phone' (telephone). There is also a text area for a message. The bottom status bar indicates '4:1 CRLF UTF-8 4 spaces Python 3.11 (django)'.

Full code:

```
{% extends 'base.html' %}
{% load static %}
{% block hai %}

<section class="section-padding" id="booking">
  <div class="container">
    <div class="row">

      <div class="col-lg-8 col-12 mx-auto">
        <div class="booking-form">

          <h2 class="text-center mb-lg-3 mb-2">REGISTRATION
          !!!</h2>

          <form role="form" action="http://127.0.0.1:8000/reg/"
method="post">
            {% csrf_token %}
            <div class="row">
              <div class="col-lg-6 col-12">
                <input type="text" name="name" id="name"
class="form-control" placeholder="Full name" required>
              </div>

              <div class="col-lg-6 col-12">
                <input type="email" name="email" id="email"
pattern="^[^ @]*@[^ @]*" class="form-control" placeholder="Email address"
required>
              </div>

              <div class="col-lg-12 col-12">
                <input type="telephone" name="phone"
id="phone" class="form-control" placeholder="Phone: 123-456-7890">
              </div>

            </div>
            <div class="col-12">
              <textarea class="form-control" rows="5" id="message" name="message" placeholder="Additional Message"></textarea>
            </div>
          </form>
        </div>
      </div>
    </div>
  </section>
{% endblock hai %}
```

```

        <div class="col-12">
            <textarea class="form-control" rows="5"
id="message" name="message" placeholder="Additional Message"></textarea>
        </div>

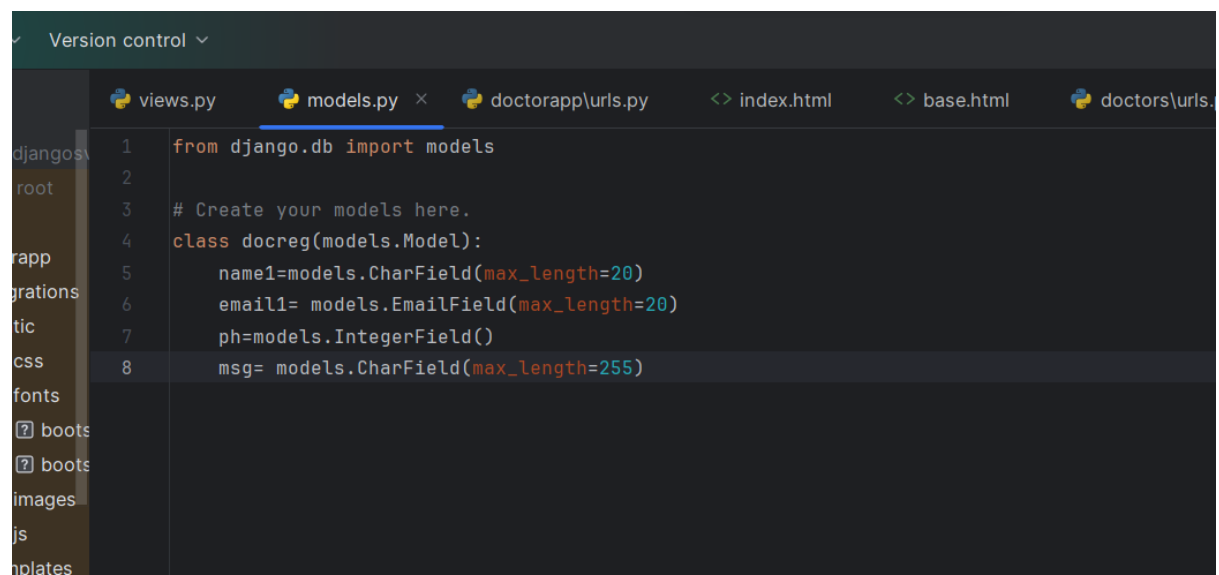
        <div class="col-lg-3 col-md-4 col-6 mx-auto">
            <button type="submit" class="form-control"
id="submit-button">REGISTER</button>
        </div>
    </div>
</form>

</div>
</div>

</div>
</div>
</section>
{% endblock %}

```

Models.py



```

Version control v
views.py  models.py x  doctorapp\urls.py  <> index.html  <> base.html  doctors\urls.py
1  from django.db import models
2
3  # Create your models here.
4  class docreg(models.Model):
5      name=models.CharField(max_length=20)
6      email=models.EmailField(max_length=20)
7      ph=models.IntegerField()
8      msg= models.CharField(max_length=255)

```

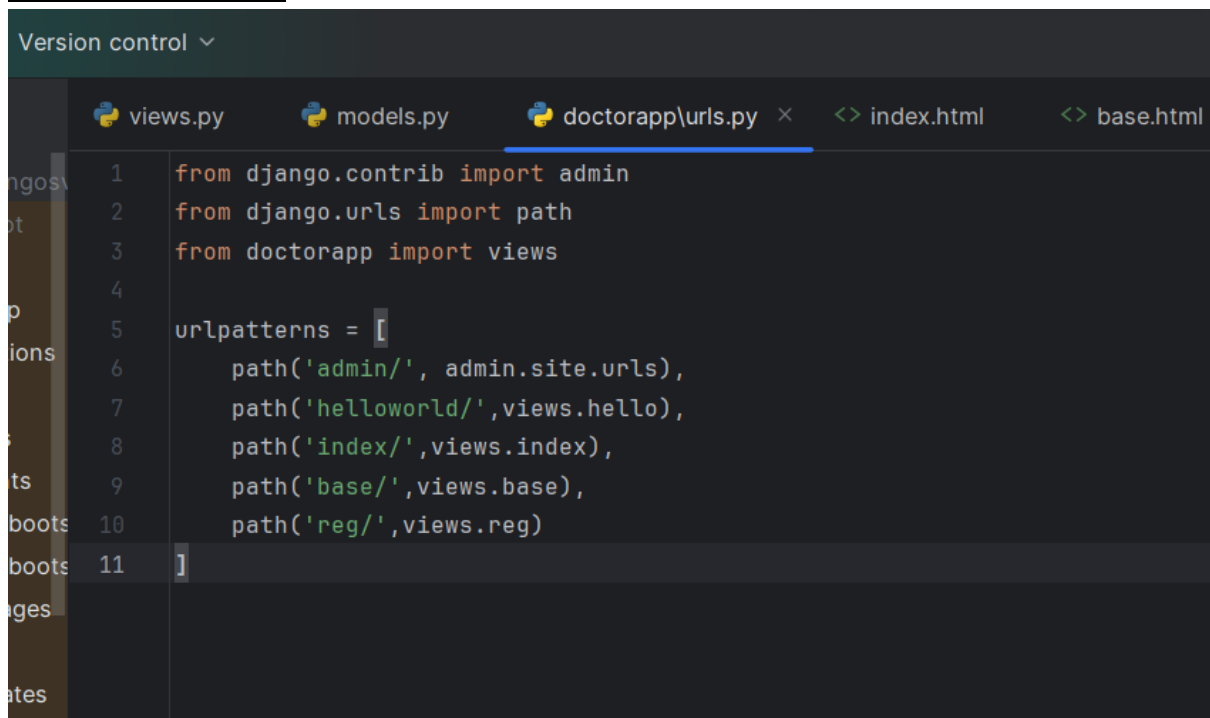
Views.py

```
Version control v
views.py × models.py doctorapp\urls.py <> index.html <> base.
1 from django.shortcuts import render
2 from django.http import HttpResponse
3 from doctorapp.models import docreg
4 # Create your views here.
5
6 def hello(request):
7     return HttpResponse("welcome homie")
8
9 def index(request):
10    return render(request, template_name: 'index.html')
11
12 def base(request):
13    return render(request, template_name: 'base.html')
14
15 def reg(request):
16    if request.method == "POST":
17        des=docreg(name1=request.POST.get("name"),
18                  email1=request.POST.get("email"),
19                  ph=request.POST.get("phone"),
20                  msg=request.POST.get("message"))
21        des.save()
22    return render(request, template_name: 'simplereg.html')
```

Import model to the view

```
from doctorapp.models import docreg
```

urls.py,add path



```
Version control ▾  
views.py  models.py  doctorapp\urls.py ×  <> index.html  <> base.html  
1  from django.contrib import admin  
2  from django.urls import path  
3  from doctorapp import views  
4  
5  urlpatterns = [  
6      path('admin/', admin.site.urls),  
7      path('helloworld/', views.hello),  
8      path('index/', views.index),  
9      path('base/', views.base),  
10     path('reg/', views.reg)  
11 ]
```

go to terminal

type > python manage.py makemigrations

> python manage.py migrate

> python manage.py runserver