### Team Squad8

#### Models.py:

Here, the above code creates a Django Patient Model to handle the login requests, which helps create tables in the MySQL server to handle signup/login authorizations.

#### Views.py:

```
from django.shortcuts import render, redirect from django.shortcuts import render
from django.http import HttpResponseRedirect
from django.contrib.auth import authenticate, login
from .forms import SignupForm, LoginForm, ResetPasswordForm from django.contrib.auth import get_user_model from django.contrib.auth import logout
def home(request):
    return render(request, "index.html")
def user_login(request):
    if request.method == 'POST': # django login forms use POST method
    form = LoginForm(request.POST) # send form to server
                username = form.cleaned_data['username']
                password = form.cleaned_data['password']
                user = authenticate(request, username=username, password=password)
                     return redirect(home) # redirect user to home page after user is logged in
                     form = LoginForm()
     return render(request, "login.html")
     if request.method == 'POST':
           form = ResetPasswordForm(request.POST)
           if form.is_valid():
               username = form.cleaned_data['username']
                new_password = form.cleaned_data['new_password']
security_question = form.cleaned_data['security_question']
```

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```
user = get_user_model().objects.get(username=username)
          saved_security_question = getattr(user, 'security_question')
          \hbox{if saved\_security\_question} == \hbox{security\_question:}
             user.set_password(new_password)
             user.save()
             form = ResetPasswordForm()
   return render(request, "reset_password.html")
def signup(request):
   if request.method == 'POST':
      form = SignupForm(request.POST)
      if form.is_valid():
         user = form.save(commit=False)
         user.set_password(form.cleaned_data['password'])
         return redirect('/')
      form = SignupForm()
   return render(request, 'signup.html', {'form': form})
def about_us(request):
   developers =
      return render(request, "about_us.html", {'developers': developers})
```

```
def contact_us(request):
    return render(request,"contact_us.html")

def contact_us_form_submit(request):
    if request.method == 'POST':
        # Need to handle the form submission logic here
        # For now, just redirecting to the same contact us page
        return redirect('contact_us')
    return render(request, 'contact_us.html')

def signout(request):
    logout(request)
    return redirect(home)
```

These are one of the important functions which handle the HTTP requests, as each endpoint that is opened should have a functionality to handle the GET requests and send the respective HTML page for rendering the website. These also have the functionality to handle the POST requests on some endpoints which request user data. Some of the prominent functions in here are user login() and signup().

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### Forms.py:

```
from django import forms
from .models import PatientModel
class SignupForm(forms.ModelForm):
    password = forms.CharField(widget=forms.PasswordInput)
    password2 = forms.CharField(label='Confirm Password', widget=forms.PasswordInput)
login_type = forms.ChoiceField(choices=PatientModel.LOGIN_CHOICES, widget=forms.RadioSelect, initial='both')
    security_question = forms.CharField()
         model = PatientModel
         fields = ('username', 'first_name', 'last_name', 'email', 'phone', 'security_question', 'password')
    def clean_password2(self):
         cd = self.cleaned_data
         if cd['password'] != cd['password2']:
         raise forms.ValidationError('Passwords don\'t match.')
return cd['password2']
class LoginForm(forms.Form):
    username = forms.CharField()
password = forms.CharField() #needs proper password/auth
class ResetPasswordForm(forms.Form):
    username = forms.CharField()
     security_question = forms.CharField()
    new_password = forms.CharField()
```

The classes presented here provide a way to handle the POST requests data that need to be handled during the form submissions like signup, login, and reset password.

#### Urls.py:

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

urlpatterns = {
    path("", views.home, name="home"),
    path("home/", views.home, name="home"),
    path("signup/", views.signup, name="signup"),
    path("login/", views.user_login, name="user_login"),
    path("dbout/", views.about_us, name="about_us"),
    path("contact/", views.contact_us, name="contact_us"),
    path('contact/submit/', views.contact_us_form_submit, name='contact_us_form_submit'),
    path('signout/", views.signout, name="signout"),
    path("reset_password/", views.reset_password, name='reset_password')
}
```

Here, the code in urls.py provides outward links that a user can interact with our MedVoyage Web application. Some of the prominent ones are home/, login/ and signup/.

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#### **Sign Up Page Code:**

```
{% extends "base.html" %}
{% block content %}
<div class="container mx-auto">
     <h2 class="text-center">Sign-Up</h2>
     <form method="post">
         {% csrf_token %}
         <div class="form-group col-md-6 mx-auto mt-2">
             <label for="id_username">Username:</label>
             <input type="text" name="username" class="form-control" id="id_username" placeholder="JohnDoe" required value="{{ form.username.value|default:'' }
{% if form.username.errors %}</pre>
                  <div class="alert alert-danger">
                     {{ form.username.errors }}
                  </div>
             {% endif %}
         <div class="form-group col-md-6 mx-auto mt-2">
     <label for="id_first_name">First Name:</label>
             <input type="text" name="first_name" class="form-control" id="id_first_name" placeholder="John" value="{{ form.first_name.value|default:'' }}">
             {% if form.first_name.errors %}
                 <div class="alert alert-danger">
                     {{ form.first_name.errors }}
                  </div>
             {% endif %}
         </div>
         <div class="form-group col-md-6 mx-auto mt-2">
             <label for="id_last_name">Last Name:</label>
             <input type="text" name="last_name" class="form-control" id="id_last_name" placeholder="Doe" value="{{ form.last_name.value|default:'' }}">
             {% if form.last_name.errors %}
     <div class="alert alert-danger">
                     {{ form.last_name.errors }}
             {% endif %}
```

```
<div class="form-group col-md-6 mx-auto mt-2">
    <label for="id_email">Email:</label>
    <input type="email" name="email" class="form-control" id="id_email" placeholder="John@email.com" required value="{{ form.email.value|default:'' }}'</pre>
           {% if form.email.errors %}
                      <div class="alert alert-danger">
                              {{ form.email.errors }}
           {% endif %}
</div>
<input type="text" name="phone" class="form-control" id="id_phone" placeholder="555-5555" value="{{ form.phone.value|default:'' }}">
           \{\% \ \text{if form.phone.errors} \ \%\}
                      <div class="alert alert-danger">
                              {{ form.phone.errors }}
           {% endif %}
</div>
<div class="form-group col-md-6 mx-auto mt-2">
           <label for = "security_question">Security Question:</label>
<input type="text" name="security_question" class="form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="Enter what city you grew up in" value="{{ form-control" id="security_question" placeholder="{ form-control" placeholder="{ form-control" placeholder="{ form-control" placeholder="{ form-control" placeholder="{ form-control" placeholder="{ form-control" placeholder="{ 
          {% if form.security_question.errors %}
    <div class = "alert alert-danger">
                               {{ form.security_question.errors }}
           {% endif %}
<div class="form-group col-md-6 mx-auto mt-2">
           <label for="id_password">Password:</label>
           <input type="password" name="password" class="form-control" id="id password" placeholder="Enter password" required>
           {% if form.password.errors %}
                      <div class="alert alert-danger">
                               {{ form.password.errors }}
```

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Above is the HTML code of our sign-up page with Django-templates (Jinja2) logical if and other conditional blocks used to update the page with errors during or after submission.

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#### **Login Page Code:**

```
{% extends 'base.html' %}
{% block title %}MedVoyage | Login{% endblock %}
{% block content %}
    <div class="container">
        <div class="row justify-content-center align-items-center" style="height: 100vh;">
           <div class="col-md-6">
               <div class="card">
                   <div class="card-body">
                       <h2 class="card-title text-center">Login</h2>
                       <form id="login-form" method="post">
                           {% csrf_token %}
                           <div class="form-group">
                             <label for="id_username">Username</label>
                               <input type="text" class="form-control form-control-lg mb-2" id="id_username" name="username" placeholder="JohnDoe">
                           </div>
                            <div>
                               <label for="id_password">Password</label>
                               <input type="password" class="form-control form-control-lg" id="id_password" name="password" placeholder="Enter your password":</pre>
                            <button type="submit" class="btn btn-primary btn-block text-center mt-2">Login</button>
                           <div class="text-center">
                               <a href="{% url 'signup' %}">Don't have an account? Sign Up Here</a>
                            </div>
                            <div class="text-center">
                               <a href="{% url 'reset_password' %}">Forgot Password? Reset Here</a>
                       </form>
                    </div>
        .
</div>
```

Above is the front-end code of our login page which contains the HTML, CSS, Bootstrap classes & so on.

#### **Navigation Bar & Sign Out Code:**

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
   <a class="navbar-brand" href="{% url 'home' %}">
      {% load static %}
       <img src={% static "images/MedVoyageLogo.png" %} width="30" height="30" class="d-inline-block align-top" alt="Logo">
      MedVoyage
   </a>
   <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"</pre>
      aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
       <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse me-lg-3" id="navbarNav">
       class="nav-item">
              <a class="nav-link" href="{% url 'about_us' %}">About Us</a>
           class="nav-item">
              <a class="nav-link" href="{% url 'contact_us' %}">Contact Us</a>
           class="nav-item">
               \label{linear_login'} $$ \  \  = \frac{% \ url \ 'user_login' \ \%}{\ }$ \ class="nav-link fw-bold text-mv-green">Login/Signup</a>
            <!-- Sian Out Button --
           {% if user.is_authenticated %}
           class="nav-item">
              <a href="/signout" class="nav-link" > Sign Out</a>
          {% endif %}
```

Above is the code for navigation bar frontend which was done to be mobile-friendly.

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#### **Reset Password Code:**

```
{% extends 'base.html' %}
\ block title \ MedVoyage | Login{% endblock %}
{% block content %}
     <div class="container">
          <div class="row justify-content-center align-items-center" style="height: 100vh;">
               <div class="col-md-6">
                   <div class="card">
                        <div class="card-body">
                             <h2 class="card-title text-center">Reset Password</h2>
                              <form id="reset_password" method="post">
                                   {% csrf_token %}
                                  <div class="form-group">
     <label for="id_username">Username</label>
                                       <input type="text" class="form-control form-control-lg" id="id_username" name="username" placeholder="JohnDoe">
                                       <label for="id_password">New Password</label>
                                       <input type="password" class="form-control form-control-lg" id="id_password" name="new_password" placeholder="Enter your new</pre>
                                 <div>
                                  <label for="id_security_question"> Security Question</label>
                                  <input type ="text" class="form-control form-control-lg" id="id_security_question" name="security_question" placeholder="Enter your control form-control-lg" id="id_security_question" name="security_question" placeholder="Enter your control form-control-lg" id="id_security_question" name="security_question" placeholder="Enter your control form-control-lg".</pre>
                                   <button type="submit" class="btn btn-primary btn-block text-center">Reset</button>
                                  <div class="text-center">
                                       <a href="{% url 'signup' %}">Don't have an account? Sign Up Here</a>
                             </form>
                        </div>
                   </div>
              </div>
         </div>
     </div
```

Here you can see the front end of our reset password page which was done similarly as that of login page.

#### **About Us Code:**

```
{% extends 'base.html' %}
{% block title %}MedVoyage | About Us{% endblock %}
{% block content %}
<section class="py-5">
   <h1>About Us</h1>

  Looking for a hassle-free, efficient, and seamless healthcare access experience? Look no further than MedVoyage - the ultimate online appointment booking
 </div>
</section>
  <div class="container">
   <h2 class="text-center mb-4">Meet the Developers</h2>
   <div class="row">
      {% for developer in developers %}
      <div class="col-md-4 mb-3
        <div class="card h-100 border-0 shadow-sm">
          {% load static %}
         <img src="{% static developer.image|stringformat:'s' %}" class="card-img-top rounded-circle mx-auto d-block" alt="{{ developer.name }}" style="width</pre>
         <div class="card-body text-center">
  <h5 class="card-title">{{ developer.name }}</h5>
           {{ developer.bio }}
         </div>
     {% endfor %}
   </div>
  </div>
  endblock
```

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The front-end of our about us page is shown above where you can see the details on about the team and further information on each individual involvement.

#### **Contact Us Code:**

```
{% extends 'base.html' %}
{% block title %}MedVoyage | Contact Us{% endblock %}
{% block content %}
<section class="bg-light py-5">
    <div class="container":
       <h2 class="text-center mb-4">Contact Us</h2>
       <div class="row justify-content-center">
            <div class="col-md-8">
               <form action="{% url 'contact_us_form_submit' %}" method="post">
                   {% csrf_token %}
                   <div class="form-group">
                      <label for="name">Name:</label>
                        <input type="text" class="form-control" id="name" name="name" placeholder="Enter your name" required>
                    <div class="form-group">
                       <label for="email">Email:</label>
                        <input type="email" class="form-control" id="email" name="email" placeholder="Enter your email" required>
                   <!-- Message Field --> <div class="form-group">
                       <label for="message">Message:</label>
                        <textarea class="form-control" id="message" name="message" rows="4" placeholder="Your message here..." required></textarea>
                    <div class="text-center">
                       <button type="submit" class="btn btn-primary mt-3">Submit</button>
```

```
cbutton type="submit" class="btn btn-primary mt-3">Submit</button</pre>
               </form>
           </div>
       </div>
       <div class="row mt-5">
    <div class="col-md-4 text-center">
              <i class="fa fa-phone fa-2x mb-3"></i>
              <h4>Phone</h4>
               +123 456 7890
           </div>
           <div class="col-md-4 text-center">
              <i class="fa fa-envelope fa-2x mb-3"></i>
               <h4>Email</h4>
               contact@medvoyage.com
           </div>
           <div class="col-md-4 text-center">
              <i class="fa fa-map-marker fa-2x mb-3"></i>
               <h4>Location</h4>
               >123 Street, Denton, United States
           </div>
   </div>
</section>
{% endblock %}
```

The above frontend logic i.e., contact us provides different ways a user can contact the MedVoyage team.

#### Team Squad8

#### **Footer Code:**

We have separated the footer.html into a separate file that can be easily modified and updated. And we include the code in here into the base.html that is being used as a base for all the HTML pages.

#### Base.html:

```
<meta charset="UTF-8">
             <meta name="viewport" content="width=device-width, initial-scale=1.0">
             <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"</pre>
                                 rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" and the stylesheet are stylesheet and the stylesheet are stylesheet 
                                crossorigin="anonymous">
             <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.1/css/all.min.css">
             {% load static %}
             <link href={% static "css/main.css" %} rel="stylesheet"/>
            <title>{% block title %}MedVoyage Home{% endblock %}</title>
      <body>
  {% include 'navbar.html' %}
             {% block content %} {% endblock %}
             {% include 'footer.html' %}
             <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"</pre>
                                      integrity="sha384-MrcW6ZMFYlzcLABNl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM" crossorigin="anonymous">
             </script>
      </body>
</html>
```

This is the base of our all-HTML pages that are being created, which is an important file from the frontend point of view.