Code Screenshots

hello/forms.py

hello/models.py

```
ello_django > hello >  urls,py > ...

1   from hello import views
2   from django.urls import path
3   from hello.models import LogMessage

4

5   home_list_view = views.HomeListView.as_view(
7    queryset = LogMessage.objects.order_by("-log_date")[:5], # :5 limits the results to the five most recen
8    context_object_name="message_list",
9    template_name="hello/home.html",
10   )

11

12

13   urlpatterns = [
14    path("", home_list_view, name="home"),
15    path("hello/<str:name>/", views.hello_there, name="hello"),
16    path("about/", views.about, name="about"),
17    path("contact/", views.contact, name="contact"),
18    path("log/", views.log_message, name="log"),
19   ]
```

hello/urls.py

```
rello_django > hello > ♠ models.py > ₧ LogMessage > ۞ _str__

from django.db import models

from django.utils import timezone

class LogMessage(models.Model):

message = models.CharField(max_length=300)

log_date = models.DateTimeField("date logged")

def __str__(self):

"""Returns a string representation of a message."""

date = timezone.localtime(self.log_date)

return f"'{self.message}' logged on {date.strftime('%A, %d %B, %Y at %X')}"
```

hello/views.py

```
from datetime import datetime
from hello.models import LogMessage
from django.shortcuts import render
from django.shortcuts import redirect
from hello.forms import LogMessageForm from django.views.generic import ListView
     model = LogMessage
     def get_context_data(self, **kwargs):
         context = super(HomeListView, self).get_context_data(**kwargs)
         return context
def hello_there(request, name):
    print(request.build_absolute_uri())
     return render(request, "hello/hello_there.html", {
def about(request):
    return render(request, "hello/about.html")
def contact(request):
     return render(request, "hello/contact.html")
def log_message(request):
     form = LogMessageForm(request.POST or None)
     if request.method == "POST":
         if form.is_valid():
             message = form.save(commit=False)
             message.log_date = datetime.now()
             message.save()
             return redirect("home")
```

web_project/setting.py —----- Including our app created using "python manage.py startapp hello" (app_name)

```
hello_django > web_project > 🏺 settings.py > ...
      from pathlib import Path
      # Build paths inside the project like this: BASE DIR / 'subdir'.
      BASE_DIR = Path(__file__).resolve().parent.parent
      SECRET_KEY = 'django-insecure-gofx(li8=h&qogqmlzf&f@orbp@jaj6%-*vpc#5r+opn#r#w20'
      DEBUG = True
      ALLOWED HOSTS = []
           'django.contrib.staticfiles',
            'hello',
           'django.middleware.security.SecurityMiddleware',
           'django.middleware.common.CommonMiddleware', 'django.middleware.csrf.CsrfViewMiddleware',
```

HTML Code Snippets

hello/templates/hello/about.html

```
ello_django > hello > templates > hello > ♀ about.html > ♀ p

1 {% extends "hello/layout.html" %} {% block title %} About us {% endblock %} {% block content %}

2 About page for the Visual Studio Code Django tutorial.

3 {% endblock %}

4
```

hello/templates/hello/contact.html

```
ello_django > hello > templates > hello > ⇔ contact.html > ⊕ p

1 {% extends "hello/layout.html" %} {% block title %} Contact Us {% endblock %} {% block content %}

2 Contact page for the Visual Studio Code Django tutorial.

3 {% endblock %}

4
```

hello/templates/hello/home.html

```
templates > hello > ♦ home.html > ♦ table.message_list > ♦ tbody
   {% extends "hello/layout.html" %} {% block title %} Home {% endblock %} {% block content %}
   <h2>Logged messages</h2>
   {% if message_list %}
   Date
            Time
             Message
13
         {% for message in message_list %}
             {{ message.message }}
          {% endfor %}
   {% else %}
   No messages have been logged. Use the <a href="{% url 'log' %}">Log Message form.</a>
   {% endif %} {% endblock %}
```

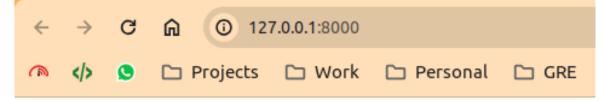
hello/templates/hello/hello_there.html

hello/templates/hello/layout.html

/hello/templates/hello/log_message.html

Screenshots

Screenshot showing name



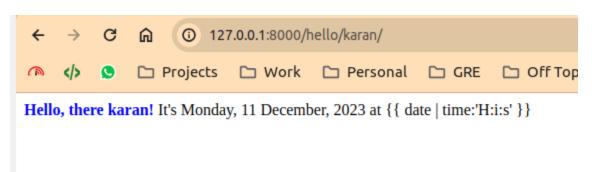
Hello, Django! My name is Karan from IS-601 Class

Screenshot fetching name from route



Hello there, karan! It's Monday, 11 December, 2023 at 00:44:53

Screenshot showing name with CSS



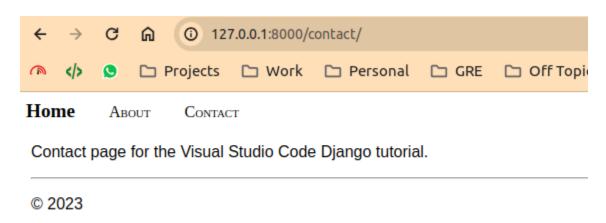
Screenshot with navbar - HOME



Screenshot with navbar - ABOUT US



Screenshot with navbar - CONTACT US



Screenshot showing Adding LOG_MESSAGE



Screenshot showing LOG_MESSAGES at HOME navbar

