

Date – 03/06/2021

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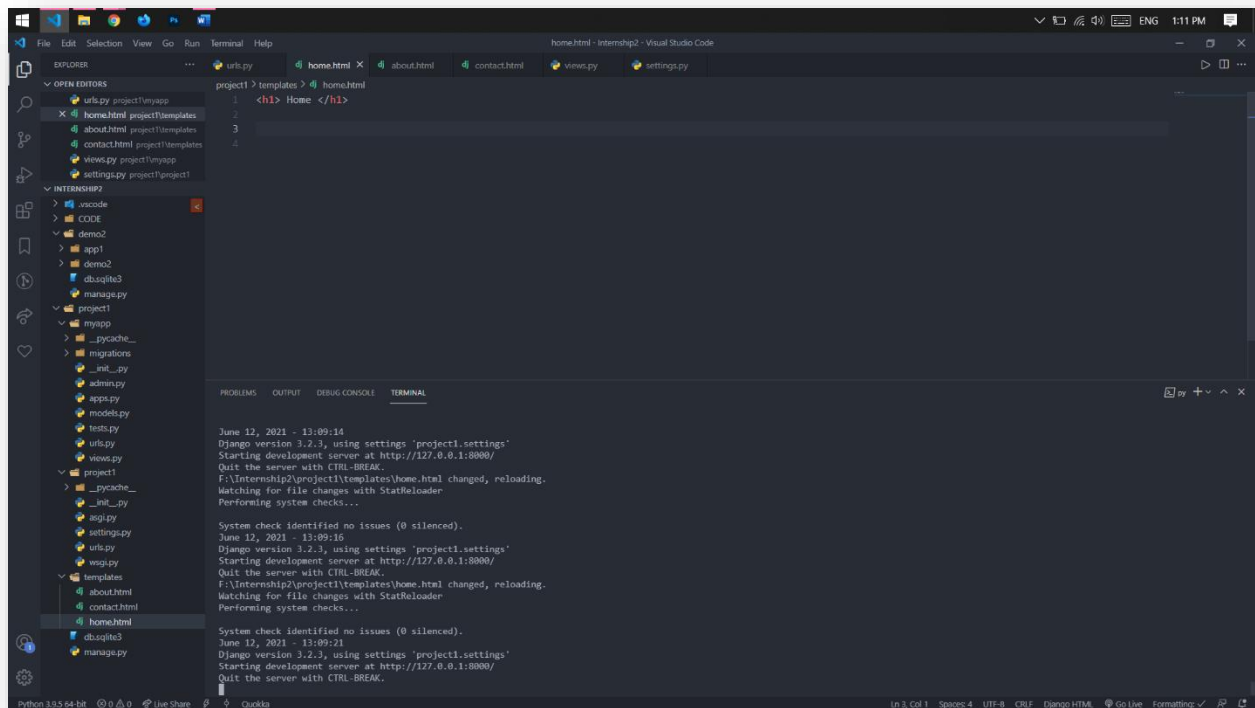
Branch – Information Technology (BE)

Sem -7th

Task

Django Theme: -

How to add templates in a Django project –



Add path to settings.py

```
'''
Django settings for project1 project.

Generated by 'django-admin startproject' using Django 3.2.3.
```

```
For more information on this file, see
https://docs.djangoproject.com/en/3.2/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/3.2/ref/settings/
"""

from pathlib import Path

import os
# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'django-insecure-
j&7!z5(e7zb29doe6mcxjqdc8dgxk&j6^3ombtz3$-r62g&+f&'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []

# Application definition

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

```
MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'project1.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages'
            ],
        },
    ],
]

WSGI_APPLICATION = 'project1.wsgi.application'

# Database
# https://docs.djangoproject.com/en/3.2/ref/settings/#databases

DATABASES = {
    'default': {
```

```
'ENGINE': 'django.db.backends.sqlite3',
'NAME': BASE_DIR / 'db.sqlite3',
}
}

# Password validation
# https://docs.djangoproject.com/en/3.2/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]

# Internationalization
# https://docs.djangoproject.com/en/3.2/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True
```

```
USE_L10N = True

USE_TZ = True

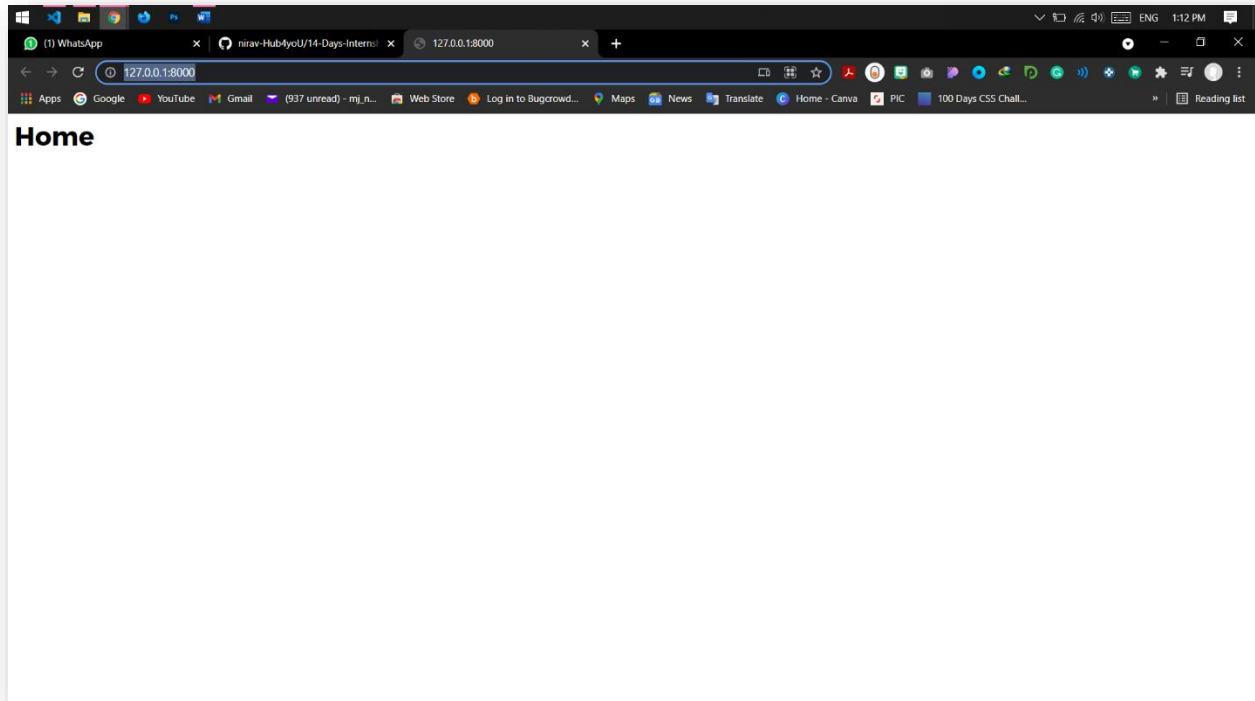

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/3.2/howto/static-files/

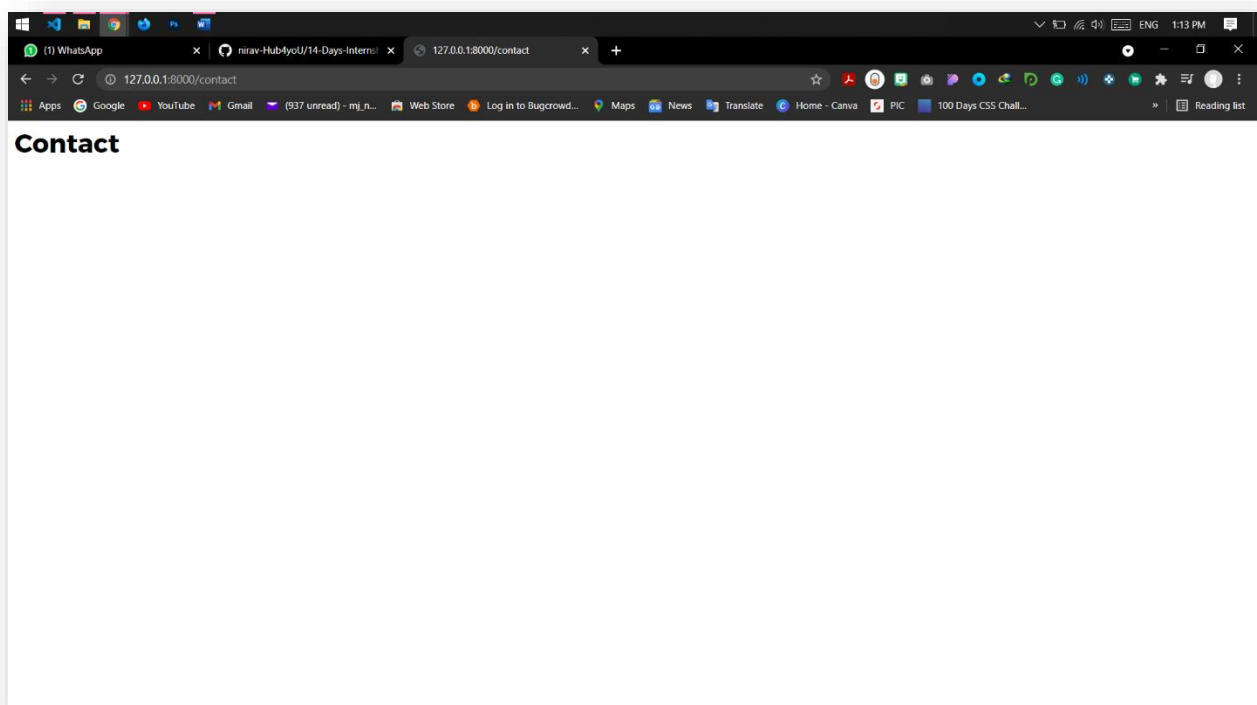
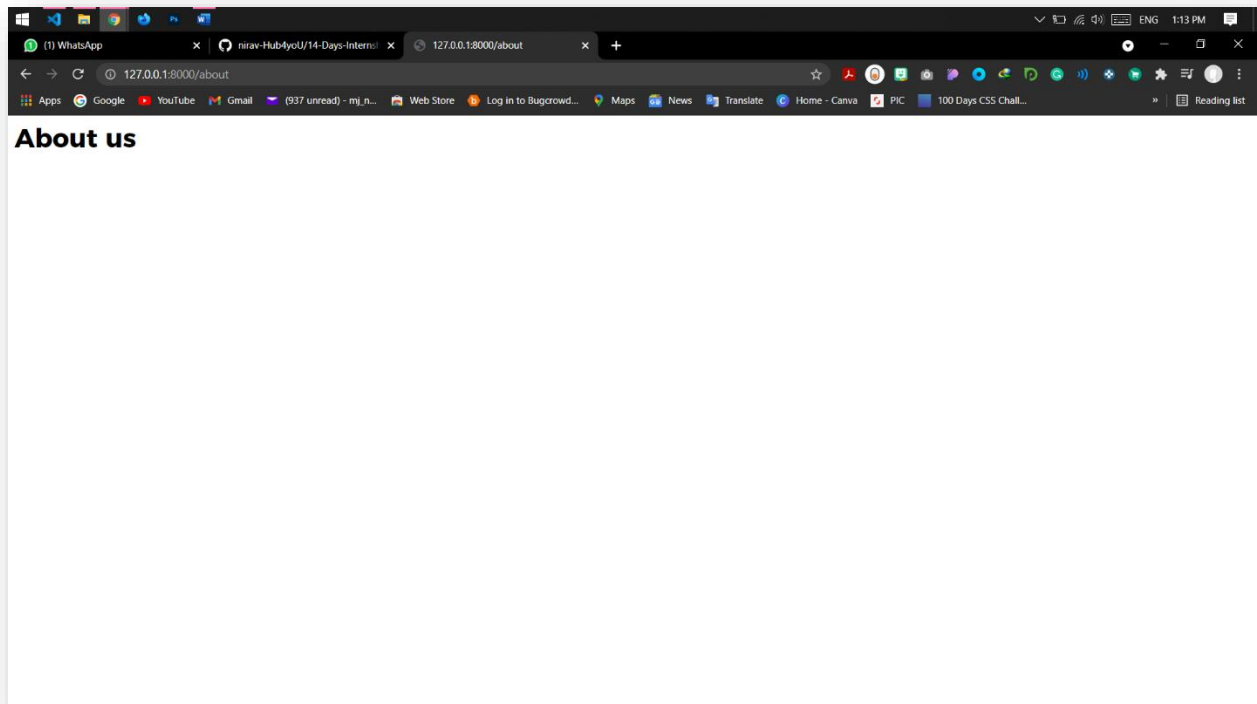
STATIC_URL = '/static/'


# Default primary key field type
# https://docs.djangoproject.com/en/3.2/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

And her we Go ready to launch on live server 😊:





Add navigation between pages: -**Add code in templets Folder in Html files:-****Home.html**

```
<h1> Home </h1>

<a href="/"> Home </a>
<a href="/contact"> Contact </a>
<a href="/about"> About </a>
```

Contact.html

```
<h1>Contact</h1>

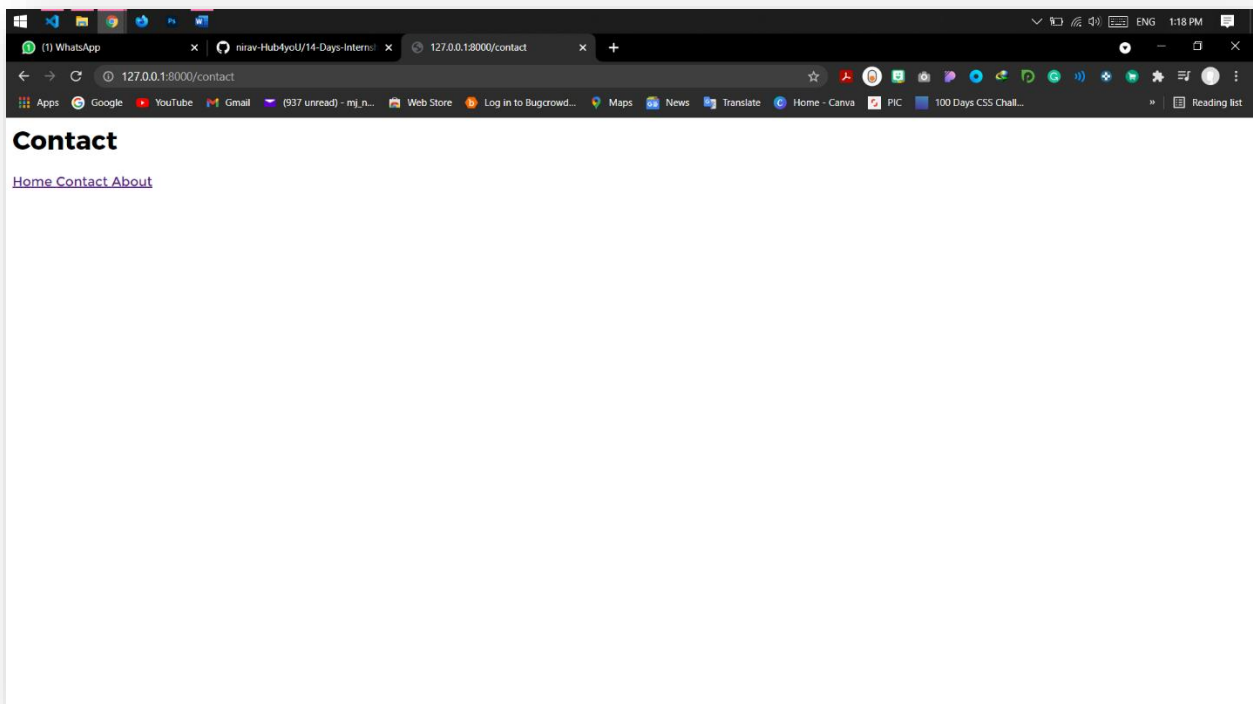
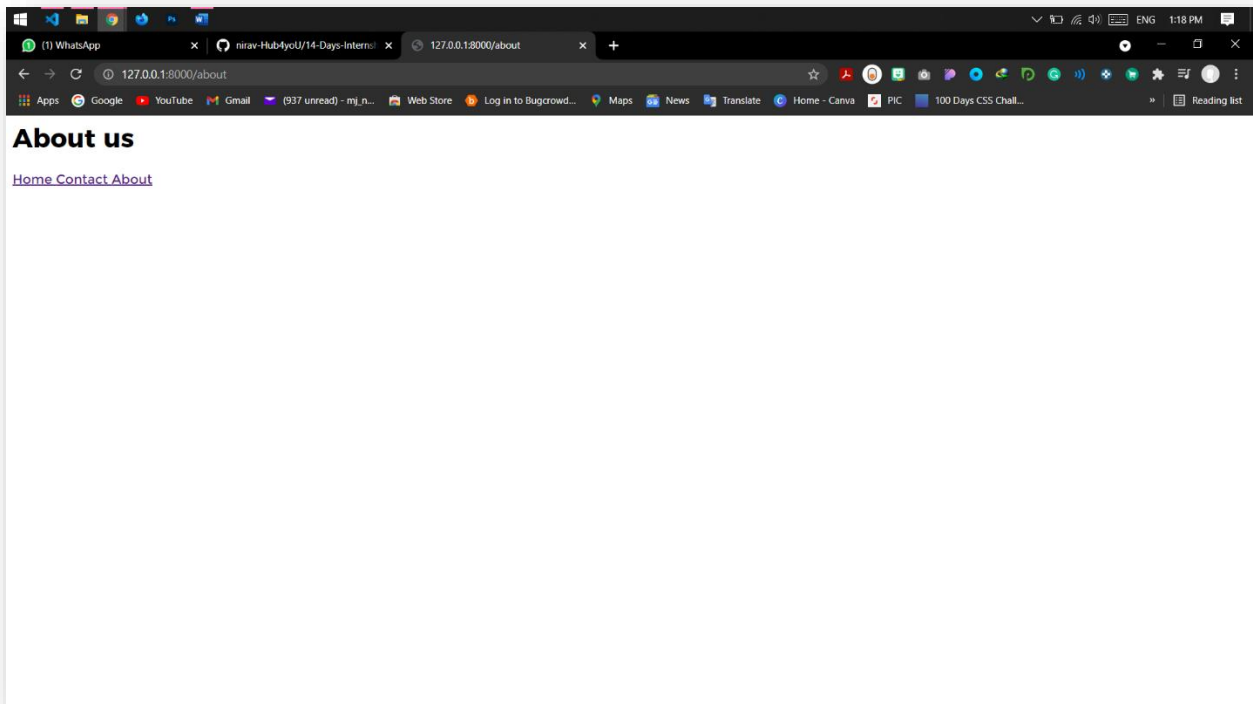
<a href="/"> Home </a>
<a href="/contact"> Contact </a>
<a href="/about"> About </a>
```

About.html

```
<h1>About</h1>

<a href="/"> Home </a>
<a href="/contact"> Contact </a>
<a href="/about"> About </a>
```

Output: -



Layout defining: -

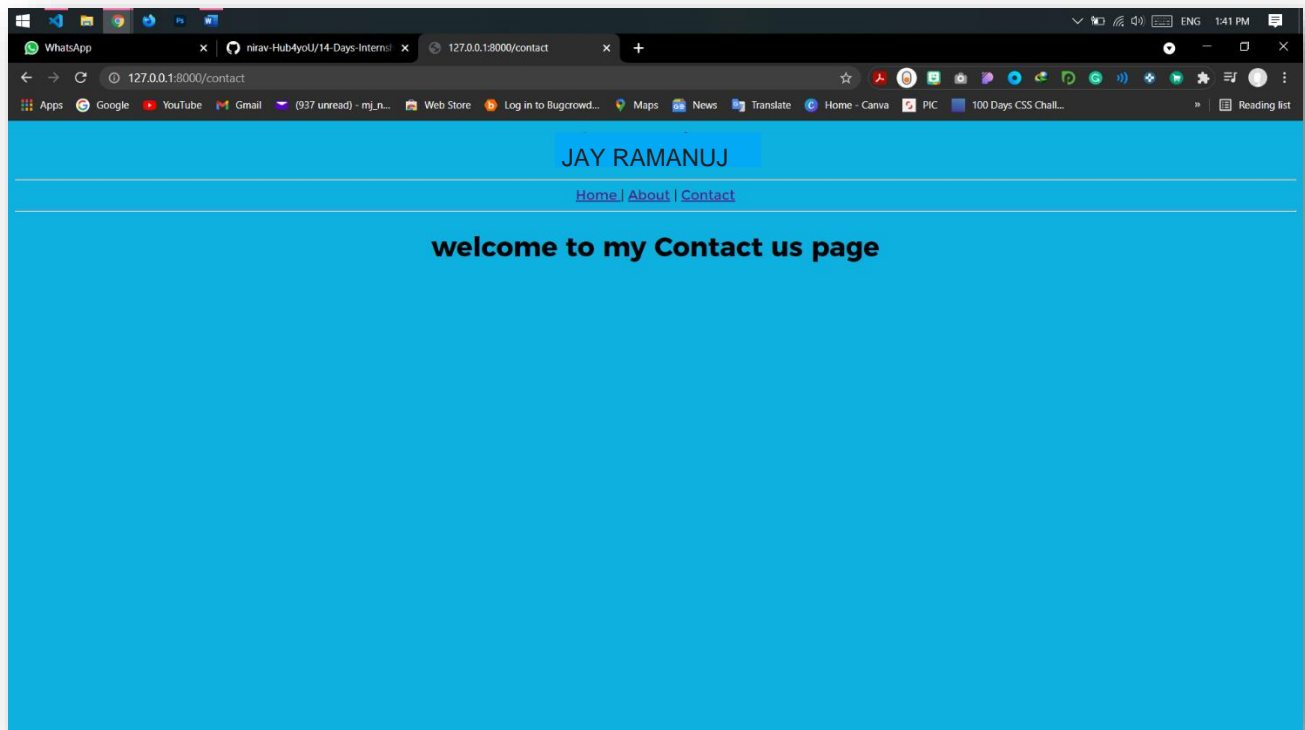
Base.html

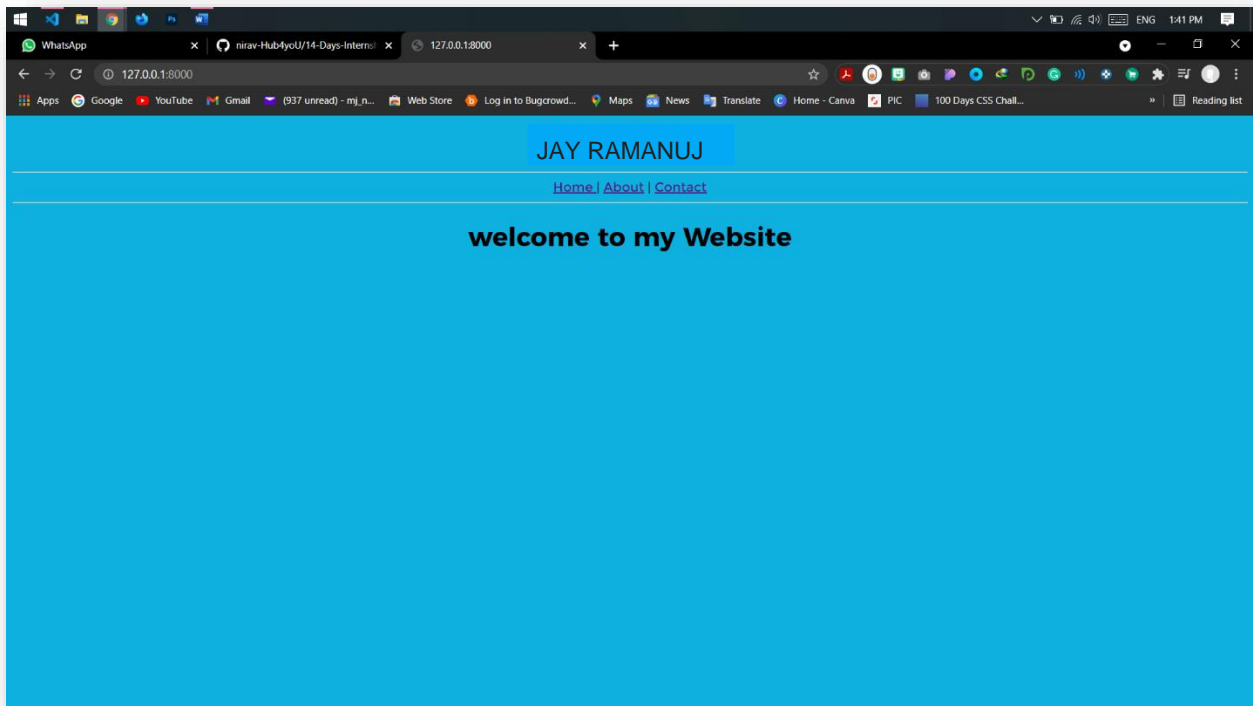
```
<html>

<body bgcolor="redblue">
<center > <h1> Nirav Mojagar </h1> </centre>
<hr/>
<a href="/">Home </a> | <a href="/" >About</a> | <a href= "/" > Contact</a>
<hr/>

{% block content%}
  {% endblock %}
</html>
```

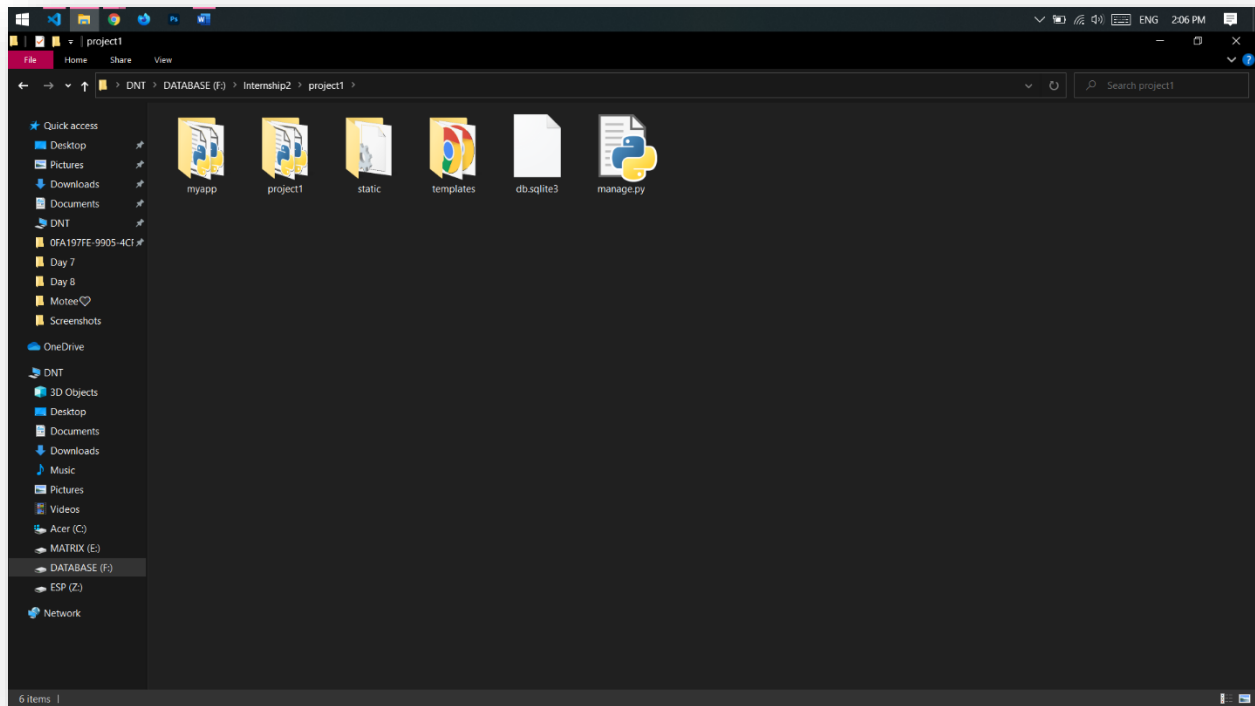
Output :-





How to Add a theme in Django Project? –

Step 1 – Download basic theme and add to a static name folder all the theme data



Step 2 -define its dir in the setting.py

```
STATIC_URL = '/static/'
STATICFILES_DIRS = [
    os.path.join(BASE_DIR, 'static'),
]

# Default primary key field type
# https://docs.djangoproject.com/en/3.2/ref/settings/#default-auto-field

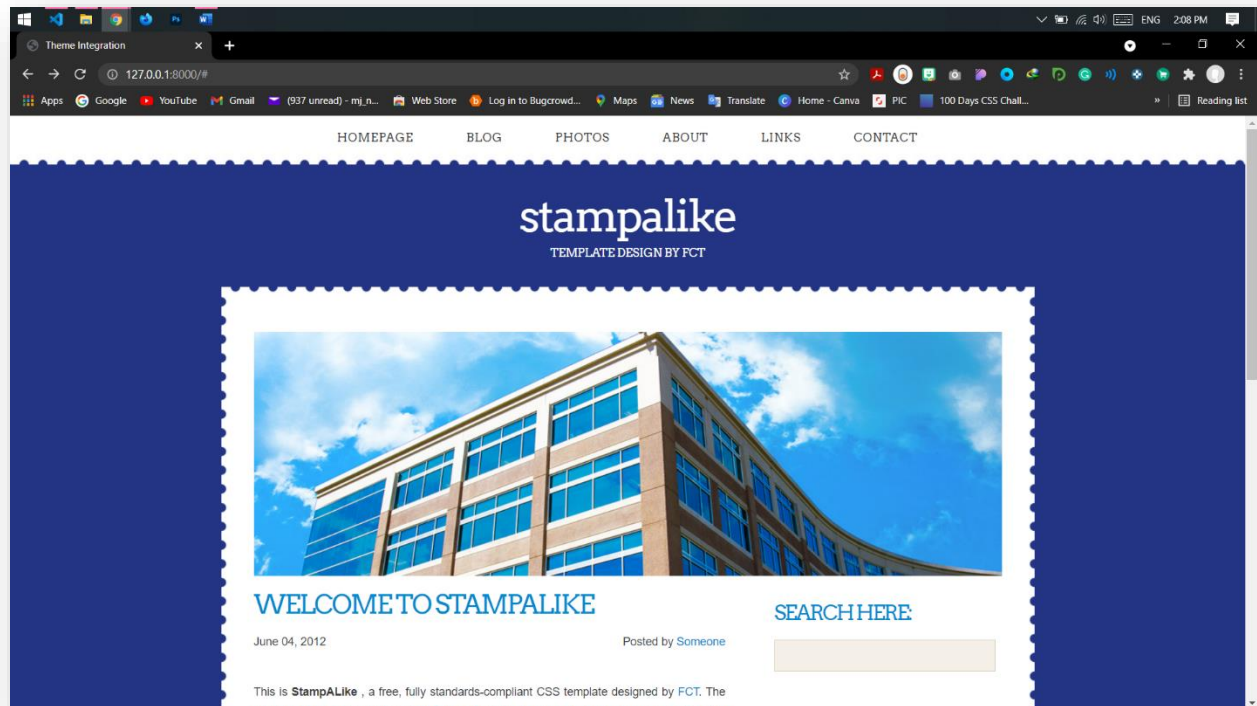
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

Also add home.html

```
{% load static %}
```

To load the templates in live server

And the Output looks like these: -



File structure of Django Project looks like : -

