

Python is a popular object-oriented programming, which is used for web development, software development, mathematics, system scripting.

Install Python command prompt search

```
Administrator: Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\kamaran>python 1
Python 3.7.6 (default, Jan  8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.
>>> quit() 2
C:\Users\kamaran>
```

Install Virtual Environment

Administrator: Command Prompt

Microsoft Windows [Version 6.1.7601]

Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\kamaran>python

Python 3.7.6 (default, Jan 8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:

This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see <https://conda.io/activation>

Type "help", "copyright", "credits" or "license" for more information.

>>> quit()

C:\Users\kamaran>python -m venv site 3

C:\Users\kamaran>

Administrator: Command Prompt

Microsoft Windows [Version 6.1.7601]

Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\kamaran>python

Python 3.7.6 (default, Jan 8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:

This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see <https://conda.io/activation>

Type "help", "copyright", "credits" or "license" for more information.

>>> quit()

C:\Users\kamaran>python -m venv site Install virtual Environment

C:\Users\kamaran>cd site 4 Change directory

C:\Users\kamaran\site> _____

Activate the Virtual environment

```
Administrator: Command Prompt  
Microsoft Windows [Version 6.1.7601]  
Copyright (c) 2009 Microsoft Corporation. All rights reserved.  
  
C:\Users\kamaran>python  
Python 3.7.6 (default, Jan  8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32  
  
Warning:  
This Python interpreter is in a conda environment, but the environment has  
not been activated. Libraries may fail to load. To activate this environment  
please see https://conda.io/activation  
  
Type "help", "copyright", "credits" or "license" for more information.  
>>> quit()  
  
C:\Users\kamaran>python -m venv site  
C:\Users\kamaran>cd site  
C:\Users\kamaran\site>Scripts\activate ━━━━━━ 5  
(site) C:\Users\kamaran\site>
```

Install Django Framework

```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\kamaran>python
Python 3.7.6 (default, Jan  8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.
>>> quit()

C:\Users\kamaran>python -m venv site
C:\Users\kamaran>cd site
C:\Users\kamaran\site>Scripts\activate

(site) C:\Users\kamaran\site>pip install django 6
Collecting django
  Using cached https://files.pythonhosted.org/packages/b8/6f/9a4415cc4fe9228e26ea53cf2005961799b2abb8da0411e519fdb74754fa/Django-3.1.7-py3-none-any.whl
Collecting asgiref<4,>=3.2.10 (from django)
  Using cached https://files.pythonhosted.org/packages/89/49/5531992efc62f9c6d08a7199dc31176c8c60f7b2548c6ef245f96f29d0d9/asgiref-3.3.1-py3-none-any.whl
Collecting sqlparse>=0.2.2 (from django)
  Using cached https://files.pythonhosted.org/packages/14/05/6e8eb62ca685b10e34051a80d7ea94b7137369d8c0be5c3b9d9b6e3f5dae/sqlparse-0.4.1-py3-none-any.whl
Collecting pytz (from django)
  Using cached https://files.pythonhosted.org/packages/70/94/784178ca5dd892a98f113cdd923372024dc04b8d40abe77ca76b5fb90ca6/pytz-2021.1-py2.py3-none-any.whl
Installing collected packages: asgiref, sqlparse, pytz, django
Successfully installed asgiref-3.3.1 django-3.1.7 pytz-2021.1 sqlparse-0.4.1
WARNING: You are using pip version 19.2.3, however version 21.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(site) C:\Users\kamaran\site>
```

Create project Django

```
Installing collected packages: asgiref, sqlparse, pytz, django
Successfully installed asgiref-3.3.1 django-3.1.7 pytz-2021.1 sqlparse-0.4.1
WARNING: You are using pip version 19.2.3, however version 21.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
```

```
(site) C:\Users\kamaran\site>django-admin startproject site1 ----- 7
```

```
(site) C:\Users\kamaran\site>
```

```
(site) C:\Users\kamaran\site>django-admin startproject site1
```

```
(site) C:\Users\kamaran\site>cd site1 [REDACTED]
```

```
(site) C:\Users\kamaran\site\site1>python manage.py runserver
```

```
Watching for file changes with StatReloader
```

```
Performing system checks...
```

```
System check identified no issues (0 silenced).
```

```
You have 18 unapplied migration(s). Your project may not work properly until you apply  
Run 'python manage.py migrate' to apply them.
```

```
February 26, 2021 - 20:05:16
```

```
Django version 3.1.7, using settings 'site1.settings'
```

```
Starting development server at http://127.0.0.1:8000/
```

```
Quit the server with CTRL-BREAK.
```

```
Collecting pytz (from django)
  Using cached https://files.pythonhosted.org/packages/70/94/784178ca5dd892a98f113cdd
Installing collected packages: asgiref, sqlparse, pytz, django
Successfully installed asgiref-3.3.1 django-3.1.7 pytz-2021.1 sqlparse-0.4.1
WARNING: You are using pip version 19.2.3, however version 21.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
```

```
(site) C:\Users\kamaran\site>django-admin startproject site1
```

```
(site) C:\Users\kamaran\site>cd site1
```

```
(site) C:\Users\kamaran\site\site1> ████ 8
```

Run server

```
(site) C:\Users\kamaran\site\site1>python manage.py runserver ----- 9
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessi
Run 'python manage.py migrate' to apply them.
February 25, 2021 - 19:38:14
Django version 3.1.7, using settings 'site1.settings'
Starting development server at http://127.0.0.1:8000/ 10
Quit the server with CTRL-BREAK.
```

Copy <http://127.0.0.1:8000>
and paste it web browser
and click to open

A screenshot of a web browser window. The address bar shows the URL `127.0.0.1:8000`. Below the address bar is a navigation bar with icons for Apps, Suggested Sites, Computer Organization, Chrome Web Store, Computer Motherboard, and Python Django App. The main content area of the browser displays the Django welcome page. The title "django" is in green. To the right, there is a link "View release notes for Django 3.1". The central image is a green rocket ship launching from a cloud, with the letter "o" on its side. Below the image, the text "The install worked successfully! Congratulations!" is displayed. At the bottom, a note states: "You are seeing this page because DEBUG=True is in your settings file and you have not configured any URLs."

← → C ⓘ 127.0.0.1:8000

_apps Suggested Sites Computer Organiza... Chrome Web Store... Computer Motherb... Python Django App...

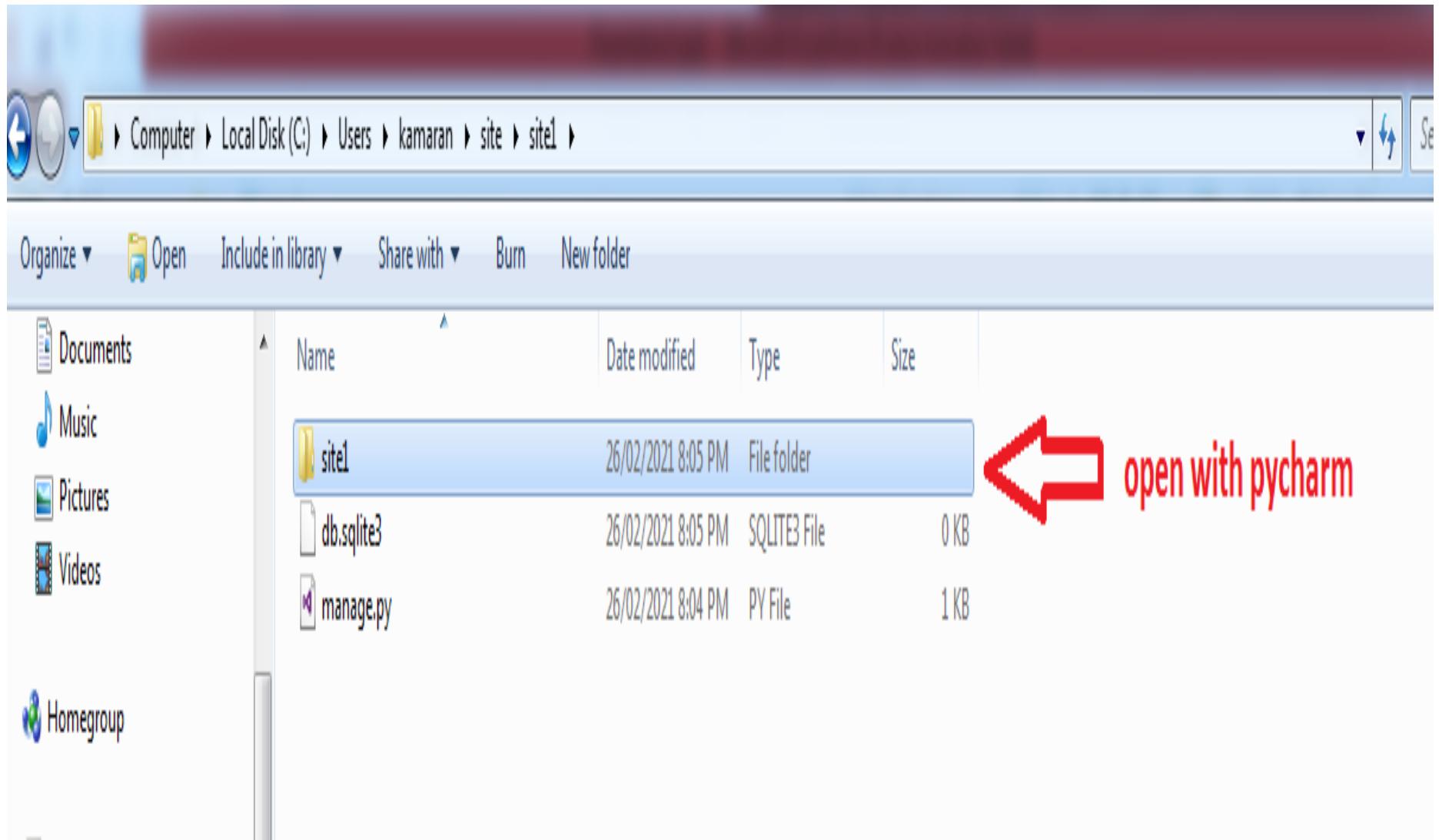
django View release notes for Django 3.1

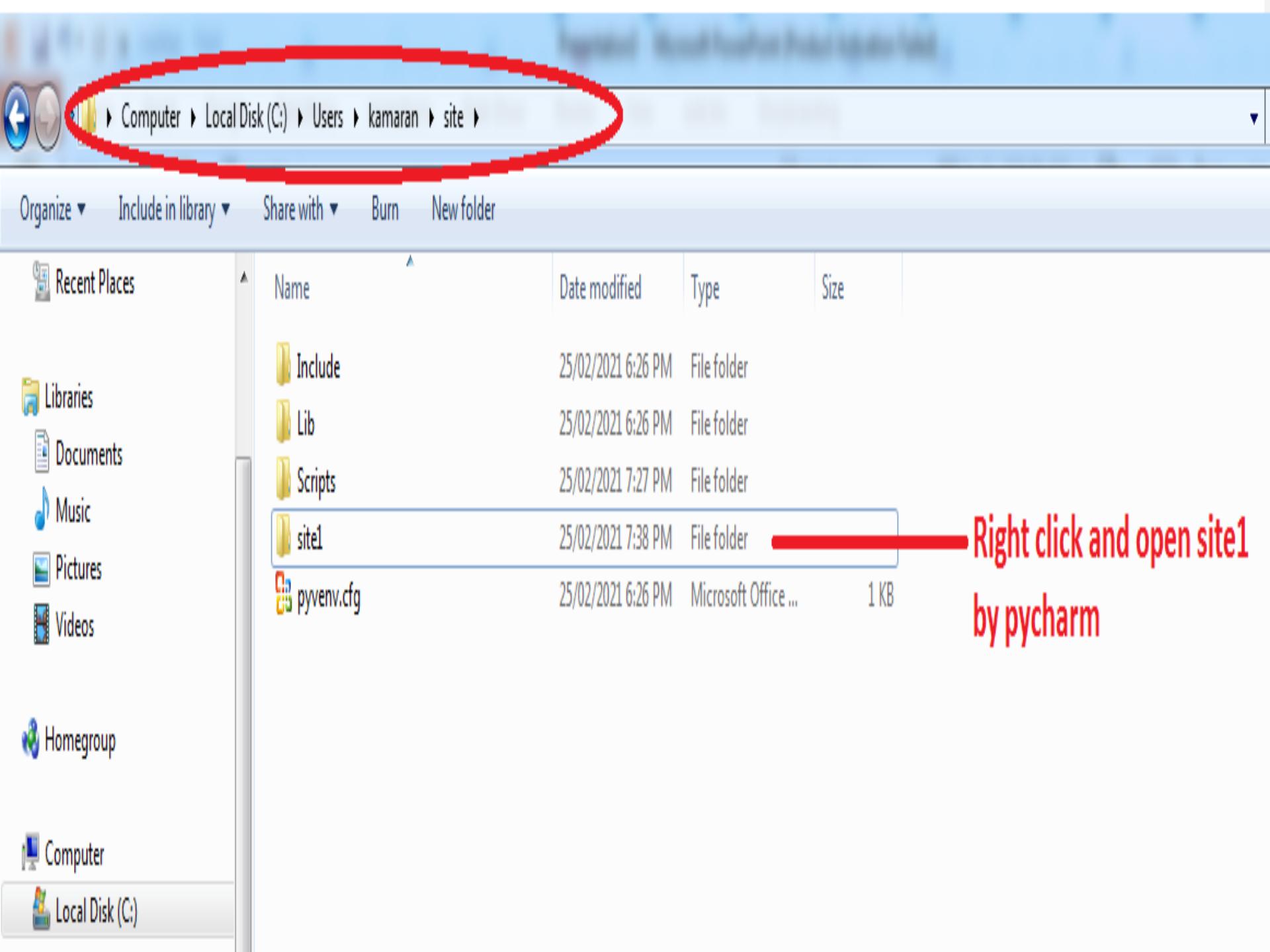
The install worked successfully! Congratulations!

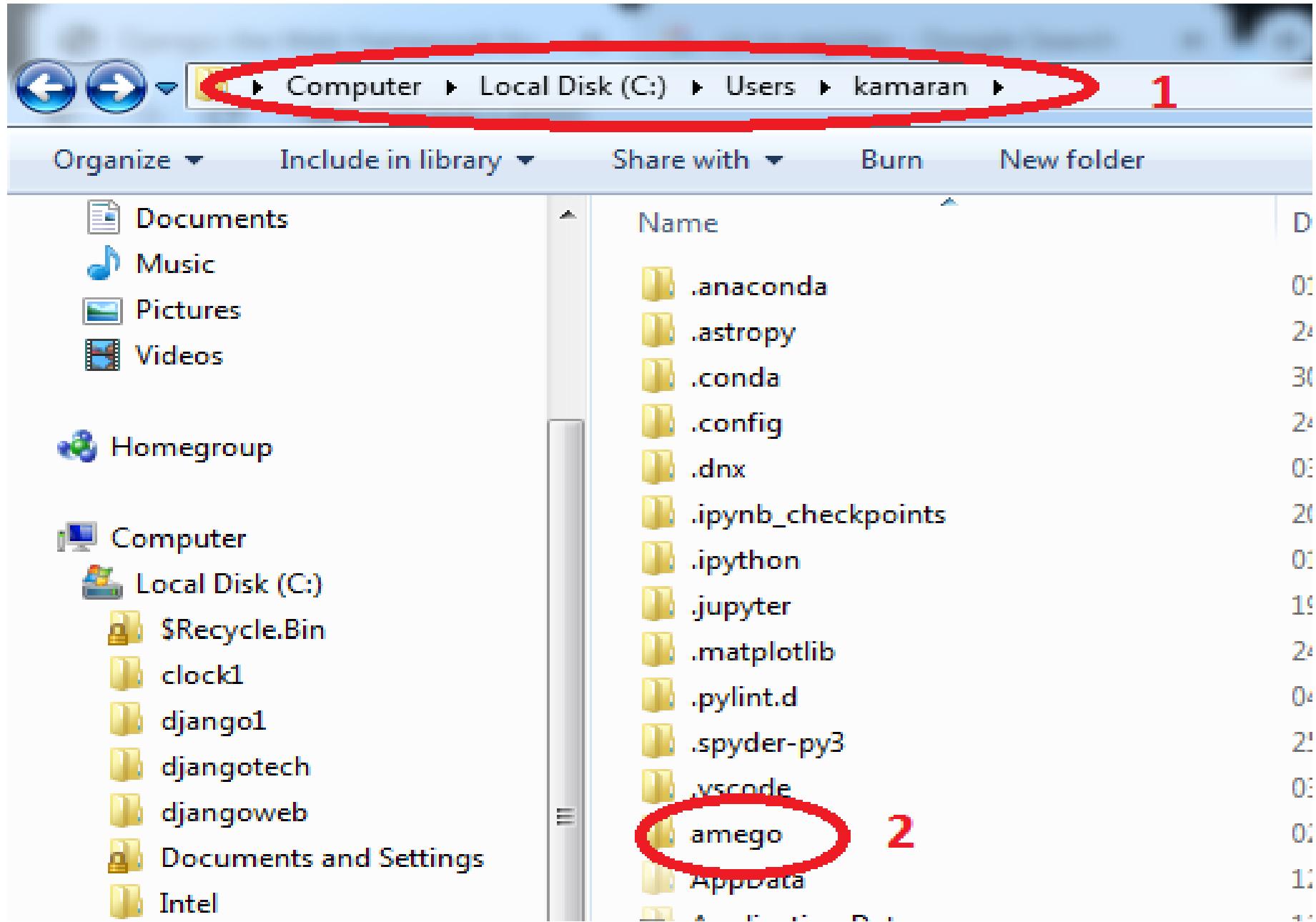
You are seeing this page because DEBUG=True is in your settings file and you have not configured any URLs.

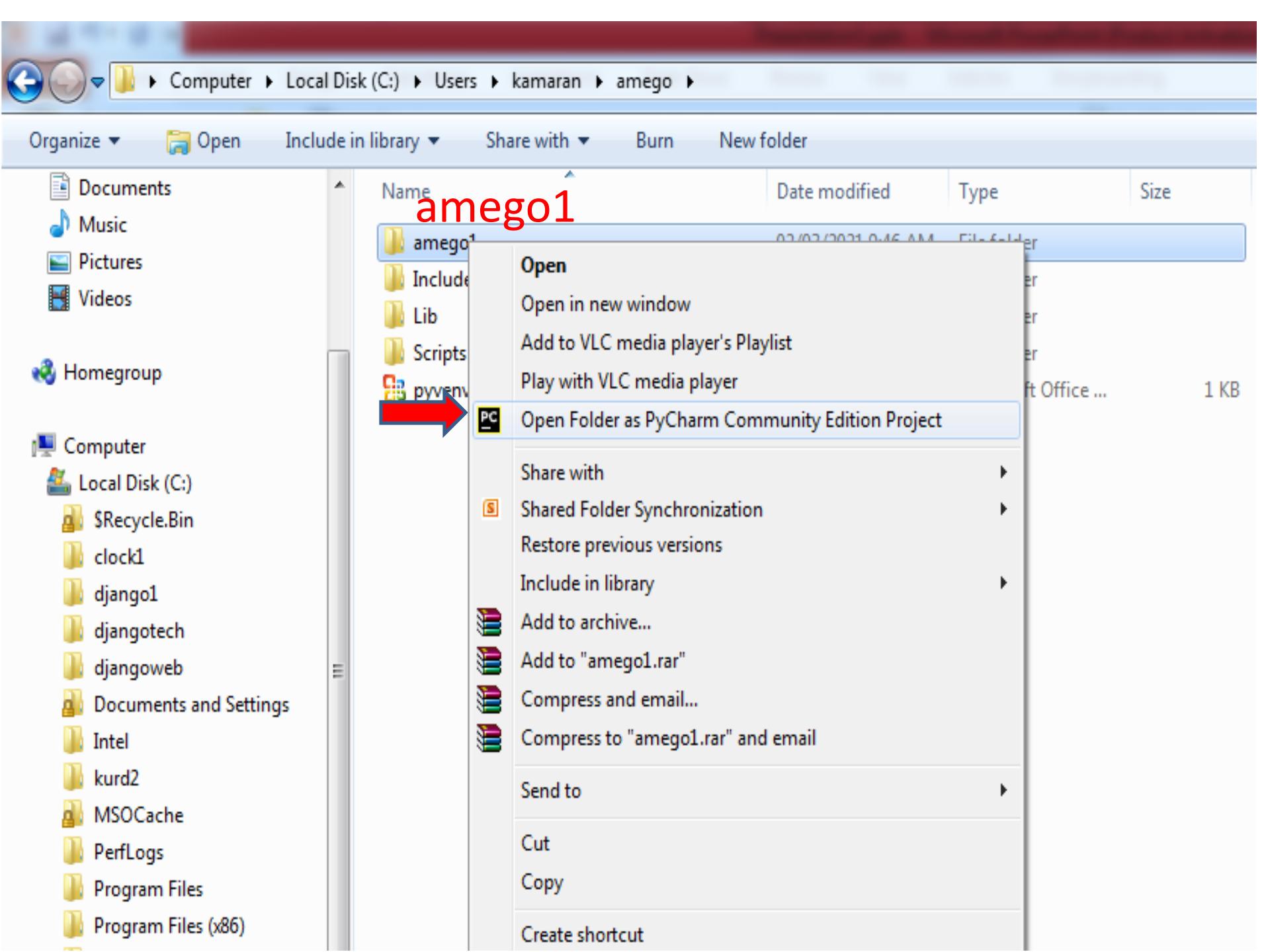
- Close Command Prompt

C:\User\kamaran\site\site1





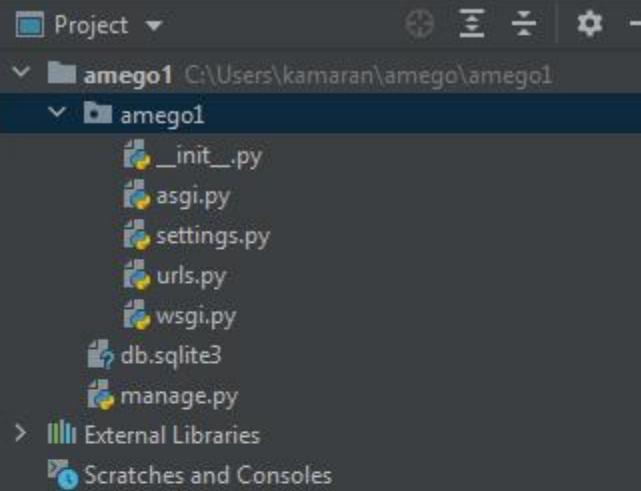




amego1

Edit View Navigate Code Refactor Run Tools VCS Window Help

amego1 amego1



Search Everywhere Double Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open

Terminal: Local +

```
'Scripts' is not recognized as an internal or external command,  
operable program or batch file.
```

```
(base) C:\Users\kamaran\amego>Scripts\activate
```

```
(amego) (base) C:\Users\kamaran\amego>cd amego1
```

```
(amego) (base) C:\Users\kamaran\amego\amego1>
```

TODO Problems Terminal Python Console

Python 3.7 has been configured as the project interpreter // Configure a Python interpreter... (3 minutes ago)

amego1 C:\Users\kamaran\amego\amego1
amego1
 init.py
 asgi.py
 settings.py
 urls.py
 wsgi.py
amego2
 db.sqlite3
 manage.py
External Libraries
Scratches and Consoles

```
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',
    'amego2',
]
```

Terminal: Local +

```
(base) C:\Users\kamaran\amego>Scripts\activate
(amego) (base) C:\Users\kamaran\amego>cd amego1
(amego) (base) C:\Users\kamaran\amego\amego1>python manage.py startapp amego2
(amego) (base) C:\Users\kamaran\amego\amego1>
```

Project

A screenshot of the PyCharm IDE's Project Explorer. The project is named 'amego1'. Inside the 'amego1' directory, there are four files: '_init_.py', 'asgi.py', 'settings.py', and 'urls.py'. Below 'amego1', there is another folder named 'amego2' which contains 'db.sqlite3' and 'manage.py'. At the bottom of the list are 'External Libraries' and 'Scratches and Consoles'.

1

Terminal: Local × +

(base) C:\Users\kamaran\amego>Scripts\activate

(amego) (base) C:\Users\kamaran\amego>cd amego

(amego) (base) C:\Users\kamaran\amego\amego1>python manage.py startapp amego

(amego) (base) C:\Users\kamaran\amego\amego1>

- You are using the Django Framework
PyCharm Professional Edition has specific support for it.

Python 3.7.4 | Jupyter Notebook 6.4.1 | Keras 2.2.4 | TensorFlow 1.13.1 | PyCharm 2018.3.2

bb > bbb > views.py

Project

Project ▾



settings.py x urls.py x views.py x

bb C:\Users\kamaran\b\bb

bb

__init__.py

asgi.py

settings.py

urls.py

wsgi.py

bbb

> migrations

__init__.py

admin.py

apps.py

models.py

tests.py

views.py

db.sqlite3

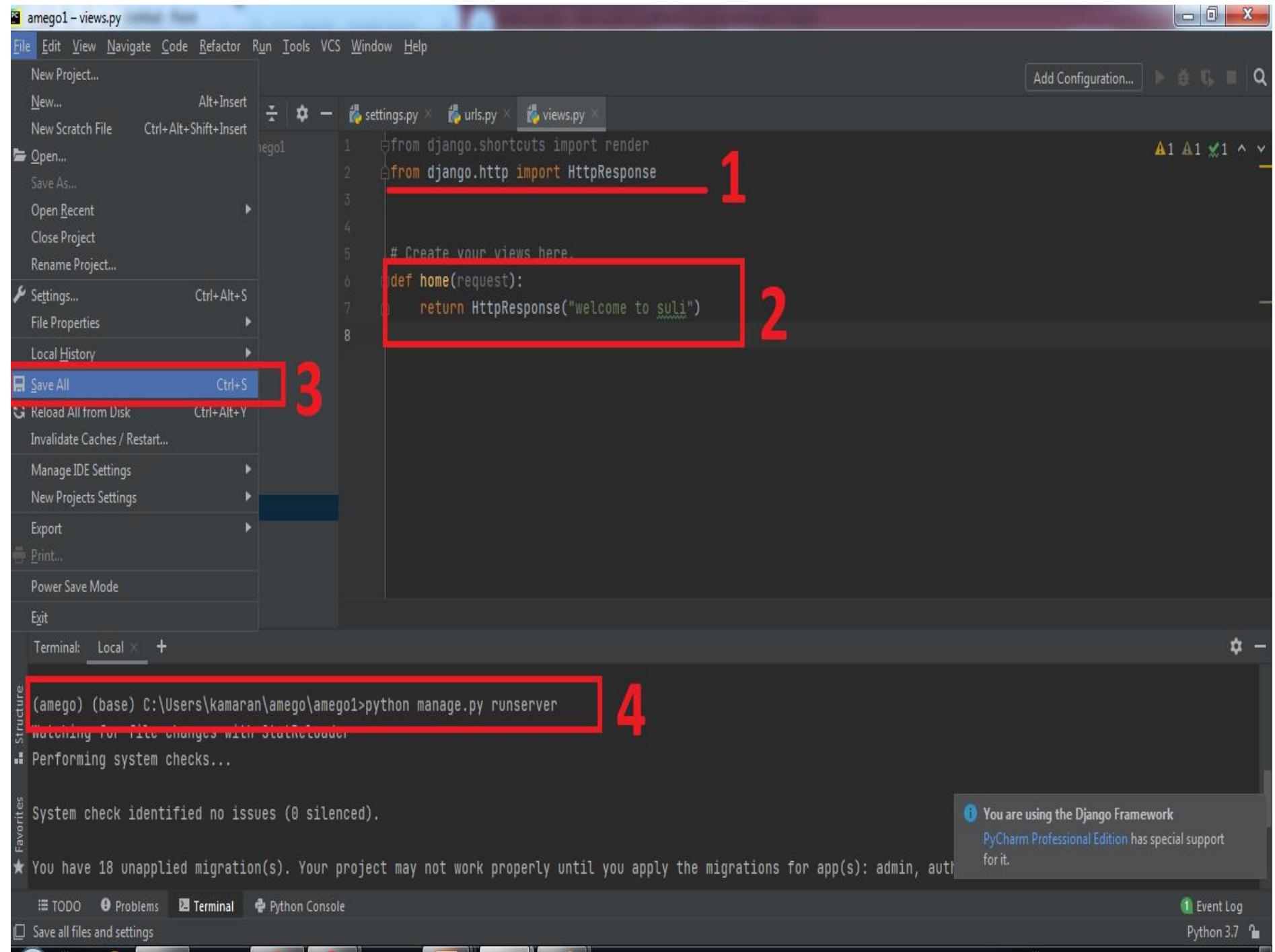
manage.py

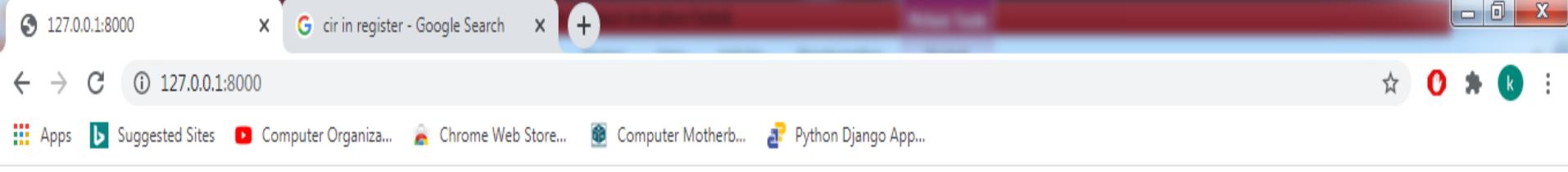
> External Libraries

Scratches and Consoles

```
1 from django.shortcuts import render
2 from django.http import HttpResponseRedirect
3 def home(request):
4
5     # Create your views here.
6     return HttpResponseRedirect("hhhhhh")
```

home()





welcome to suli

Edit View Navigate Code Refactor Run Tools VCS Window Help

01 amego2 views.py

Add Configuration..

Project

⊕ E ÷ ⚙ - settings.py ✎ urls.py ✎ views.py

```
return HttpResponse("Welcome to suli")
```

A1 A1 ✓1 ^ ✓

```
terminal: Local +  
amego) (base) C:\Users\kamaran\amego\amego1>python manage.py migrate  
Operations to perform:
```

```
apply all migrations: admin, auth, contenttypes, sessions
running migrations:
  applying contenttypes.0001_initial... OK
  applying auth.0001_initial... OK
  applying admin.0001_initial... OK
  applying admin.0002_logentry_remove_auto_add... OK
  applying admin.0003_logentry_add_action_flag_choices... OK
  applying contenttypes.0002_remove_content_type_name... OK
  applying auth.0002_alter_permission_name_max_length... OK
  applying auth.0003_alter_user_email_max_length... OK
  applying auth.0004_alter_user_username_opts... OK
  applying auth.0005_alter_user_last_login_null... OK
  applying auth.0006_require_contenttypes_0002... OK
  applying auth.0007_alter_validators_add_error_messages... OK
  applying auth.0008_alter_user_username_max_length... OK
  applying auth.0009_alter_user_last_name_max_length... OK
  applying auth.0010_alter_group_name_max_length... OK
  applying auth.0011_update_proxy_permissions... OK
  applying auth.0012_alter_user_first_name_max_length... OK
  applying sessions.0001_initial... OK
```

amego) (base) C:\Users\kamaran\amego\amego1>

 You are using the Django Framework

TODO Problems Terminal Python Console

Python 3.7 has been configured as the project interpreter // Configure a Python interpreter... (37 minutes ago)

1 Event Log

Python 3.7

Create super user

The screenshot shows the PyCharm Professional Edition interface. The code editor has tabs for settings.py, urls.py, and views.py. The views.py tab is active, displaying the line: `return HttpResponseRedirect("welcome to %s!")`. The terminal window below shows the output of migrations and the creation of a superuser:

```
amego1 - views.py
File Edit View Navigate Code Refactor Run Tools VCS Window Help
amego1 > amego2 > views.py Add Configuration...
Project settings.py urls.py views.py
amego1 C:\Users\kamaran\amego\amego1 amego1
Terminal: Local +
Applying auth.0002_alter_permission_name_max_length... OK
Applying auth.0003_alter_user_email_max_length... OK
Applying auth.0004_alter_user_username_opts... OK
Applying auth.0005_alter_user_last_login_null... OK
Applying auth.0006_require_contenttypes_0002... OK
Applying auth.0007_alter_validators_add_error_messages... OK
Applying auth.0008_alter_user_username_max_length... OK
Applying auth.0009_alter_user_last_name_max_length... OK
Applying auth.0010_alter_group_name_max_length... OK
Applying auth.0011_update_proxy_permissions... OK
Applying auth.0012_alter_user_first_name_max_length... OK
Applying sessions.0001_initial... OK

(amego) (base) C:\Users\kamaran\amego\amego1>python manage.py createsuperuser
Username (leave blank to use 'kamaran'): ali
Email address: kamaranfaraj@yahoo.com
Password:
Password (again):
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.

(amego) (base) C:\Users\kamaran\amego\amego1>python manage.py runserver
```

A tooltip in the bottom right corner says: "You are using the Django Framework. PyCharm Professional Edition has special support for it."

Bottom navigation bar: TODO, Problems, Terminal, Python Console.

Status bar: Python 3.7 has been configured as the project interpreter // Configure a Python interpreter... (48 minutes ago)

Project

Project ▾



site1 C:\Users\kamaran\site\site1\site1

- __init__.py
- asgi.py
- settings.py
- urls.py
- wsgi.py

> External Libraries

Scratches and Consoles



Search Everywhere Double Shift

Go to File Ctrl+Shift+N

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open

Recent

Navigat

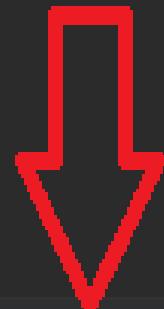
Drop fil

Terminal: Local X +

Microsoft Windows [Version 6.1.7601]

Copyright (c) 2009 Microsoft Corporation. All rights reserved.

(base) C:\Users\kamaran\site\site1\site1>



TODO

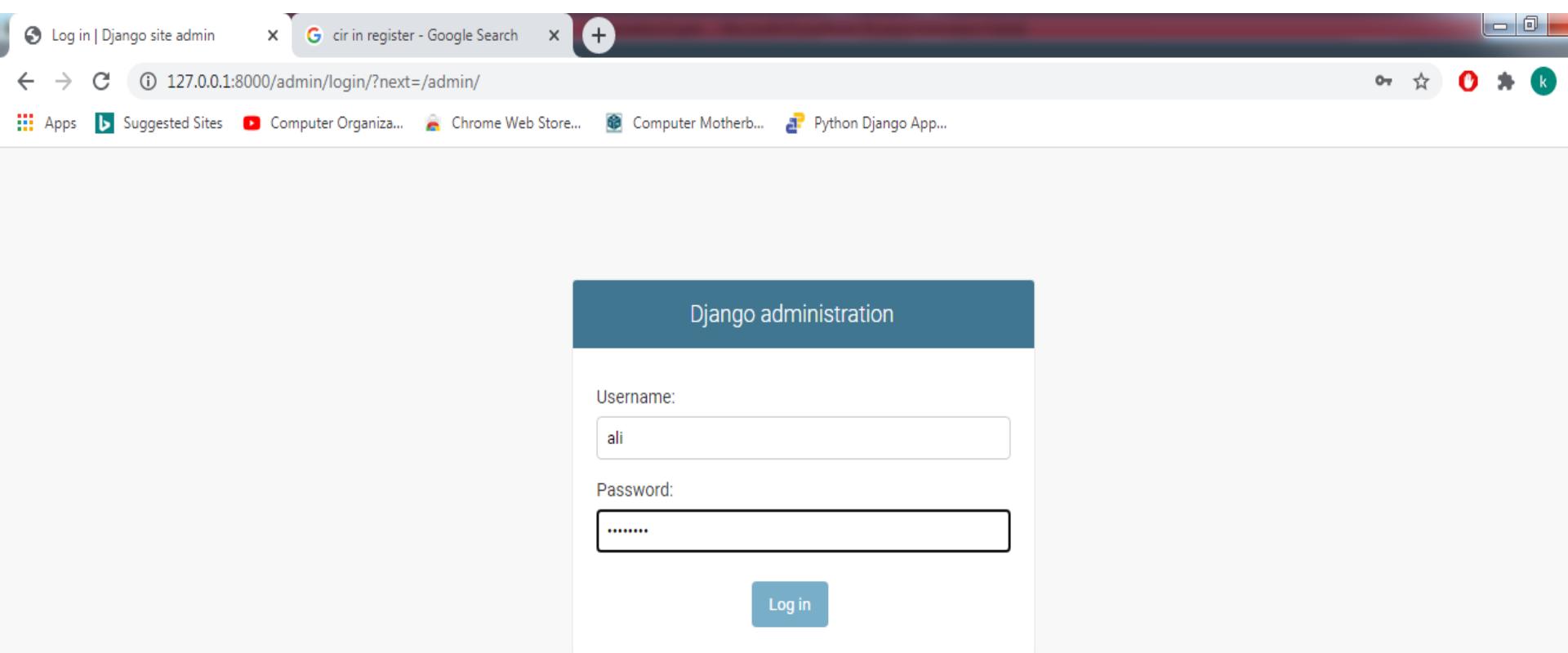
Problems

Terminal

Python Console

Python 3.7 has been configured as the project interpreter // Configure a Python interpreter... (6 minutes ago)

Admin



_apps Suggested Sites Computer Organiza... Chrome Web Store... Computer Motherb... Python Django App... Advanced Data Scie...

Django administration

WELCOME, KAMARAN. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

[+ Add](#) [Change](#)

Users

[+ Add](#) [Change](#)

Recent actions

My actions

None available

Save All

4

Project

1

2

3

```
from django.db import models

# Create your models here.

class Book(models.Model):
    title = models.CharField(max_length=100)
    name = models.CharField(max_length=100)
    content = models.TextField()

    def __str__(self):
        return self.title
```

Terminal: Local +

```
File "C:\Users\kamaran\z\lib\site-packages\django\core\management\base.py", line 330, in run_from_argv
    self.execute(*args, **cmd_options)
```

KeyboardInterrupt

(z) (base) C:\Users\kamaran\z\zz>python manage.py makemigrations

No changes detected

5

Project ▾

kk C:\Users\kamaran\k\kk

- kk
- __init__.py
- asgi.py
- settings.py
- urls.py
- wsgi.py

kkk

- migrations
- __init__.py
- admin.py
- apps.py
- models.py
- tests.py
- views.py

db.sqlite3

manage.py

External Libraries

Scratches and Consoles

settings.py × urls.py × views.py × models.py ×

```
1 from django.db import models
2
3 # Create your models here.
4
5 class Book(models.Model):
6     title = models.CharField(max_length=100)
7     name = models.CharField(max_length=100)
8     content = models.TextField()
9     publish_date = models.DateField(auto_now_add=True)
10
11     def __str__(self):
12         return self.title
```

Book > __str__()

Its done

The screenshot shows the PyCharm IDE interface. The terminal window displays the following output:

```
Terminal: Local × +
Superuser created successfully.

C:\Users\kamaran\k\kk>python manage.py makemigrations
Migrations for 'kkk':
  kkk\migrations\0001_initial.py
    - Create model Play

★ C:\Users\kamaran\k\kk>
```

The project structure sidebar shows a single file: `kkk\migrations\0001_initial.py`. The bottom status bar indicates: "Python 3.7 has been configured as the project interpreter // Configure a Python interpreter... (23 minutes ago)".

File Edit View Navigate Code Refactor Run Tools VCS Window Help

Save All

4

Project

Project ▾

zz C:\Users\kamaran\z\zz

__init__.py
asgi.py
settings.py
urls.py
wsgi.py

zzz

migrations

templates

__init__.py

admin.py

apps.py

models.py

tests.py

views.py

db.sqlite3

manage.py

> External Libraries

1

2

```
1 from django.contrib import admin
2 from zzz.models import Book
3
4 # Register your models here.
5
6 admin.site.register(Book)
```

3

Terminal: Local +

(z) (base) C:\Users\kamaran\z\zz>python manage.py migrate

Operations to perform:

5

Django administration

WELCOME, KAMARAN. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

[+ Add](#) [Change](#)

Users

[+ Add](#) [Change](#)

ZZZ

Books

[+ Add](#) [Change](#)

Recent actions

My actions

[+ Web](#)

Book

How create a template

- Right click on the app name ZZZ, after that click on new then choose directory and name it by templates.
- Next slide picture illustrate how adds template to settings of project.

The screenshot shows a PyCharm IDE interface with a Django project structure on the left and code editor on the right.

Project Structure:

- Project: kk (C:\Users\kamaran\k\kk)
- kk folder:
 - __init__.py
 - asgi.py
 - settings.py (highlighted with a red arrow)
 - urls.py
 - wsgi.py
- kkk folder:
 - migrations
 - templates (highlighted with a red arrow)
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - views.py
- db.sqlite3
- manage.py

Code Editor (settings.py):

```
51 ]
52
53 ROOT_URLCONF = 'kk.urls'
54
55 TEMPLATES = [
56     {
57         'BACKEND': 'django.template.backends.django.DjangoTemplates',
58         'DIRS': [], (highlighted with a red arrow)
59         'APP_DIRS': True,
60         'OPTIONS': {
61             'context_processors': [
62                 'django.template.context_processors.debug',
63                 'django.template.context_processors.request',
64                 'django.contrib.auth.context_processors.auth',
65                 'django.contrib.messages.context_processors.messages',
66             ],
67         },
68     },
69 ]
```

Terminal:

- Terminal: Local
- Logs:
 - [18/Mar/2021 11:50:18] "GET /static/admin/img/icon-unknown-alt.svg HTTP/1.1" 304 0
 - [18/Mar/2021 11:50:18] "GET /static/admin/img/icon-clock.svg HTTP/1.1" 304 0
 - [18/Mar/2021 11:50:18] "GET /static/admin/img/selector-icons.svg HTTP/1.1" 304 0
 - [18/Mar/2021 11:51:06] "POST /admin/auth/user/2/change/ HTTP/1.1" 302 0

Save All

5

The screenshot shows a PyCharm IDE interface with the following elements:

- Project Tree (Left):** Shows a project structure with a root folder "zz" containing subfolders "zz" and "zzz".
 - "zz" folder (highlighted with a red box labeled 1) contains files: __init__.py, asgi.py, settings.py (highlighted with a red box labeled 2), urls.py, and wsgi.py.
 - "zzz" folder contains files: migrations, templates, __init__.py, admin.py, apps.py, models.py, tests.py, views.py, db.sqlite3, and manage.py.
- Code Editor (Right):** Displays the contents of "settings.py".
 - Line 50: 'django.middleware.clickjacking.XFrameOptionsMiddleware',
 - Line 51:]
 - Line 52:
 - Line 53: ROOT_URLCONF = 'zz.urls'
 - Line 54:
 - Line 55: TEMPLATES = [(highlighted with a red box labeled 3)
 - {
 - BACKEND': 'django.template.backends.django.DjangoTemplates',
 - 'DIRS': [os.path.join(BASE_DIR, 'templates')], (highlighted with a red box labeled 4)
 - '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',
 -],
 -]

Save All 4

Project

zz C:\Users\kamaran\z\zz

- zz
- zzz
 - migrations
 - templates
 - book_detail.html
 - home.html
 - _init_.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - views.py

db.sqlite3

1

2

3

4 <h1>Our Book List</h1>

5

6 {% for book in home %}

7 - {{book}}

8 {% endfor %}

9

ul > li > a

Terminal: Local +

```
[25/Mar/2021 12:13:13] "GET /static/admin/js/nav_sidebar.js HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/img/icon-changelink.svg HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0
```

Our Book List

- [Web](#)
- [c++](#)

zz > zz > urls.py

Project

```
Project zz C:\Users\kamaran\z\zz
  zz
    __init__.py
    asgi.py
    settings.py
    urls.py 1
    wsgi.py
  zzz
    migrations
    templates
      __init__.py
      admin.py
      apps.py
      models.py
      tests.py
      views.py
    db.sqlite3
    manage.py
External Libraries
```

Terminal: Local +
System check identified no issues (0 silenced).

March 25, 2021 - 11:56:27

Django version 3.1.7, using settings 'zz.settings'
Starting development server at <http://127.0.0.1:8000/>

Quit the server with CTRL-BREAK.

[25/Mar/2021 11:56:32] "GET / HTTP/1.1" 200 87

[25/Mar/2021 11:56:33] "GET /book/1 HTTP/1.1" 200 76

```
settings.py x urls.py x book_detail.html x views.py x home.html x models.py x
  Add an import... from .views import ...
  Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))

"""
import ...
from zzz import views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', views.home, name='home'),
    path('book/<int:pk>', views.book_detail, name='book_detail')
]
```

2

Save All

5



settings.py x urls.py x book_detail.html x views.py x home.html x models.py x

Project

zz C:\Users\kamaran\z\zz

zz

__init__.py
asgi.py
settings.py
urls.py
wsgi.py

zzz 1

migrations
templates
__init__.py
admin.py
apps.py
models.py
tests.py

views.py 2

db.sqlite3
manage.py

External Libraries

Terminal: Local +

```
System check identified no issues (0 silenced).
March 25, 2021 - 11:56:27
Django version 3.1.7, using settings 'zz.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[25/Mar/2021 11:56:32] "GET / HTTP/1.1" 200 87
[25/Mar/2021 11:56:33] "GET /book/1 HTTP/1.1" 200 76
```

```
from django.shortcuts import render
from django.http import HttpResponseRedirect
from zzz.models import Book 3
```

```
# Create your views here.
def home(request):
    book = Book.objects.all()
    context = {'home': book}
    return render(request, "home.html", context)
```

```
def book_detail(request, pk):
    each_book = Book.objects.get(id=pk)
    context = {'book_detail': each_book}
    return render(request, "book_detail.html", context) 4
```

File Edit View Navigate Code Refactor Run Tools VCS Window Help

Save All 3

Project

zz C:\Users\kamaran\z\zz

- zz
- zz
- _init_.py
- asgi.py
- settings.py
- urls.py
- wsgi.py

zzz

- migrations
- templates

1 book_detail.html

home.html

- _init_.py
- admin.py
- apps.py
- models.py
- tests.py
- views.py

db.sqlite3

2

```
<h1>Our {{ book_detail.title }} book detail</h1>
<h3>By {{book_detail.name}}</h3>
{{ book_detail.content }}
<hr>
```

Terminal: Local +

```
[25/Mar/2021 12:13:13] "GET /static/admin/js/nav_sidebar.js HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/img/icon-changelink.svg HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0
[25/Mar/2021 12:13:13] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0
```

Structure

Favorites

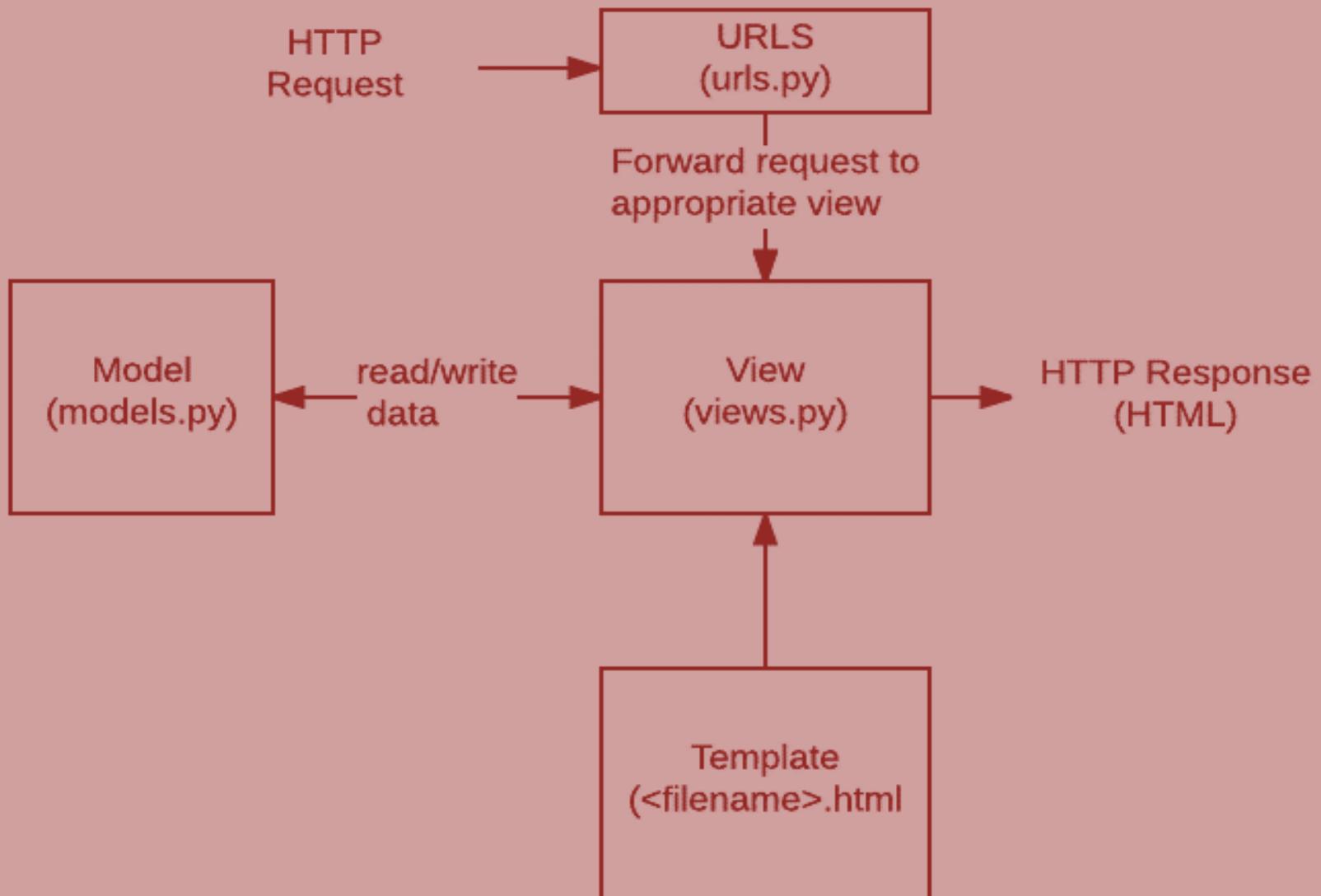


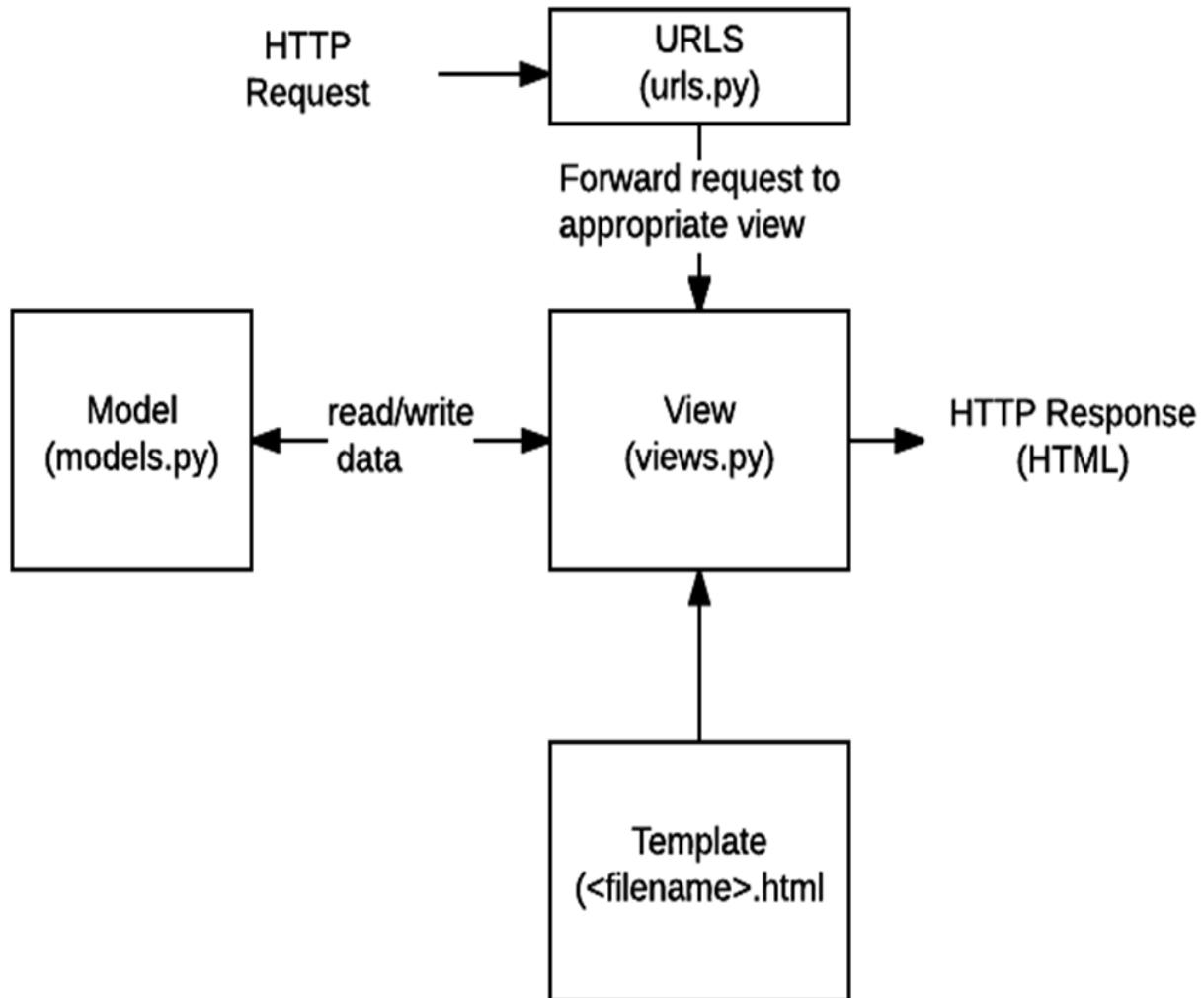
Our Web book detail

By Kamaran

first book in my list

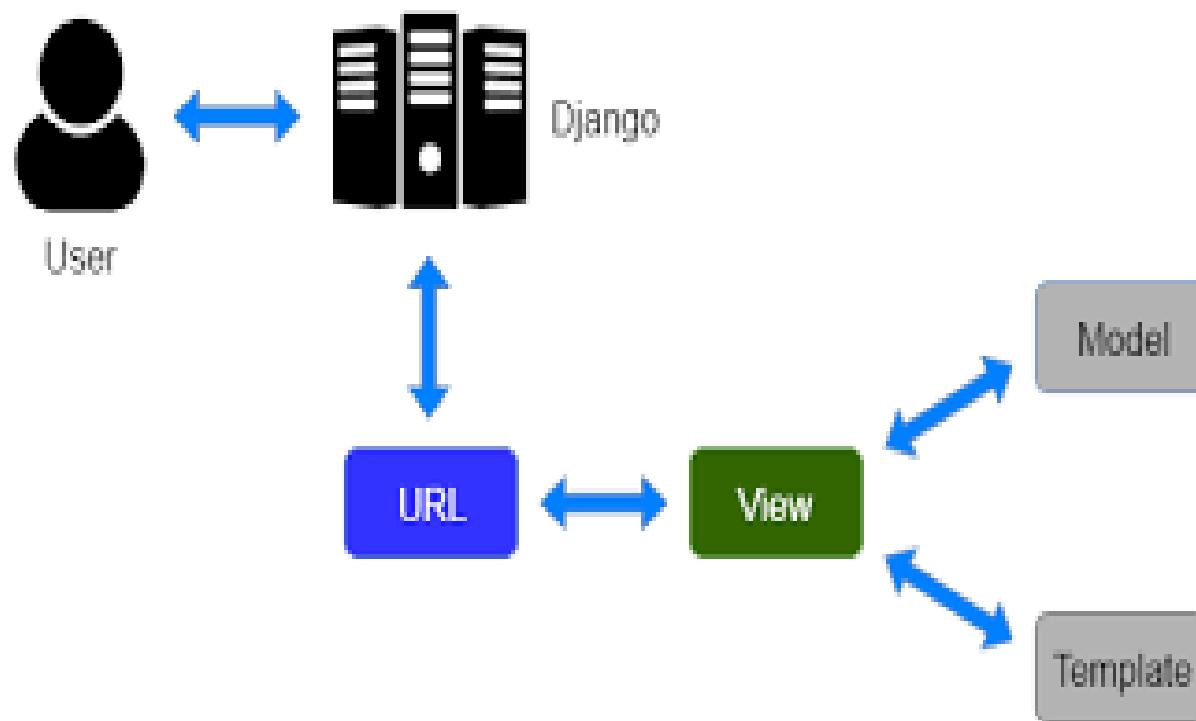
Python with Django





How django work

- M module
- V view (logic)
- T template (HTML file)



M V T

- How to module a person name, D.O.B, P,O,B personal code, insurance code...
- Library:

M writer name, category

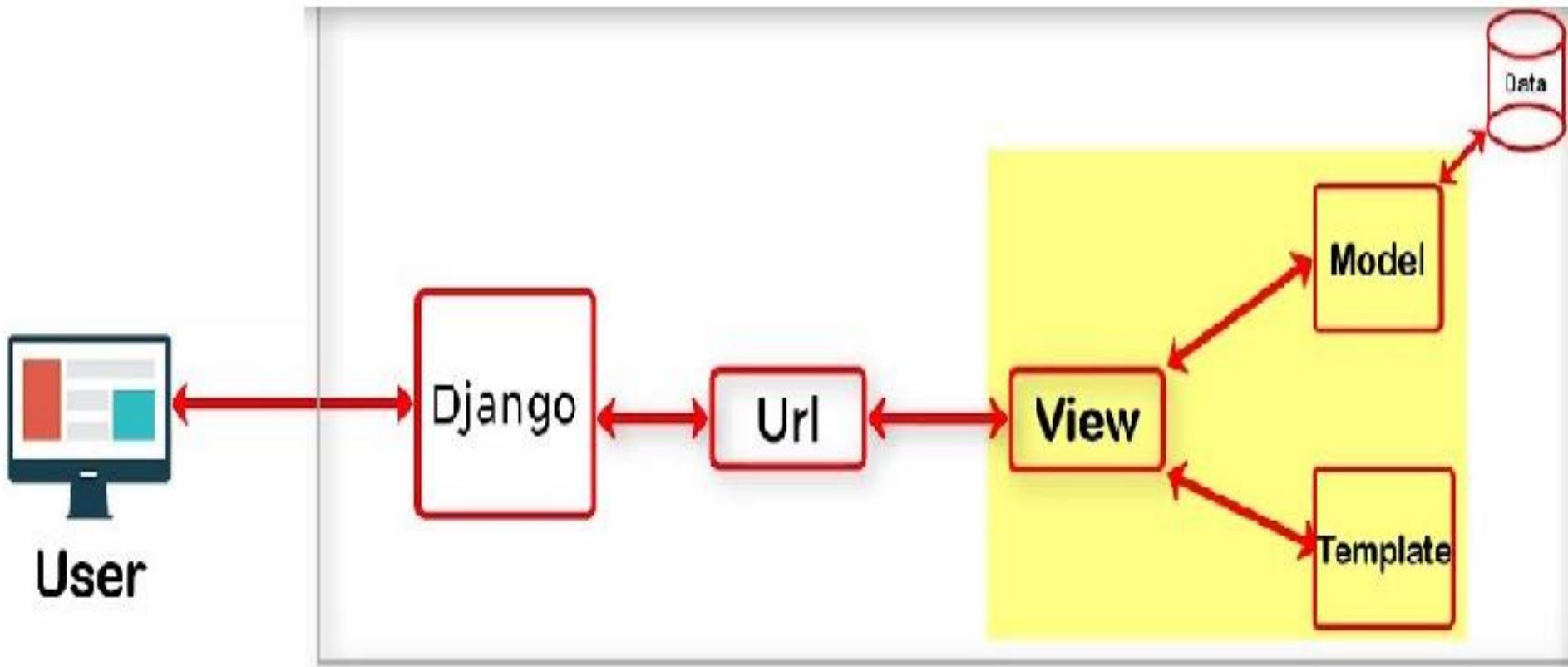
V logic program add book, delete book, search book

T html

View is logic

What is MVT in Django?

- Django MVT. The MVT (Model View Template) is a software design pattern. It is a collection of three important components Model View and Template. The Model helps to handle database. It is a data access layer which handles the data.



MVT

Configuration

