

# **Assignment**

- Create a Library web app
- It should contain the following pages:
  - Home: Display a Welcome message using Templates
  - Book List: Use <u>function based</u> views to list books using Templates
    - Book <u>data to be read from "book list.json"</u>
  - Book Detail: Use <u>function based</u> views to display detail of single book. Take id from URL parameter and display appropriate book data from "book\_list.json"
  - Author List: Use <u>class based views</u> to list Authors
    - Author data to be read from the following API: https://random-dataapi.com/api/v2/users?size=10.

## views.py

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∠ Library

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      > .idea
       > jsonFiles
                                        9 def home(request):
                                               return render(request, 'libraryApp/home.html')
       wsqi.py
                                           > migrations
                                           def book_details(request,book_id):
       models.pv
                                                with open('jsonFiles/book
books = json.load(f)
       tests.py
                                                    for book in books:
  if book['id'] == book_id:
                                                   return render(request, 'libraryApp/bookdetails.html',{'book':book})
return HttpResponseNotFound('Book not found')

    db.sqlite3

      manage.pv
                                                def get(self, request):
    response = requests.get('http://random-data-api.com/api/v2/users?size=10')
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                                                   authors = response.json()
return render(request, 'libraryApp/author.html', {'authors': authors})
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     > TIMELINE
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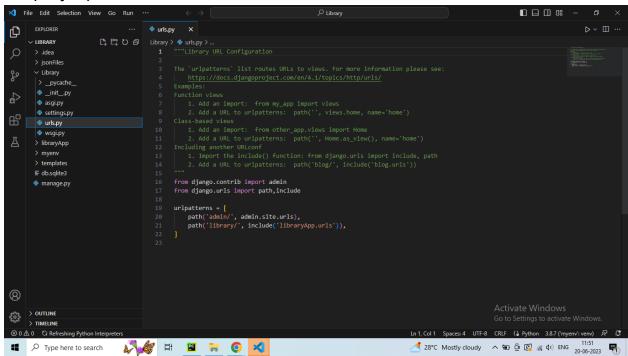
### URL(App)

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         __init__.py
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         asgi.py
         settings.py
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          wsgi.py
          > migrations
          admin.pv
                                                           from django.urls import path
from . import views
          apps.py
          models.py
                                                               upat('', views.home, name='home'),
path('booklist/', views.book_list, name='bookList'),
path('bookdetails/<int:book_id>/', views.book_details, name='bookDetail'),
path('authorlist/', views.AuthorListView.as_view(), name='authorList')
          views.py
         > myenv
         > templates

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## **URL(Project)**



Settings.py

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                                                                               INSTALLED APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'libraryApp'
₽
             asgi.py
            settings.py
             wsgi.py
            > libraryApp
                                                                               MIDDLEMARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonWiddleware',
    'django.middleware.csef.CsrffviewMiddleware',

    db.salite3

           manage.pv
                                                                                        'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
                                                                                               'BACKEND': 'django.template.backends.django.DjangoTemplates',
'DIRS': [str(BASE_DIR.joinpath('templates'))],
                                                                                                       'context_processors': [
    'django.template.context_processors.debug',
    'django.template.context_processors.request',
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## **Templates**

#### Home.html

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                                  <head>
<title>Library-Home Page</title>
     asgi.py
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                                        body {
     wsgi.py
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                                       h1 {
    font-size: 60px;
    color: ■#FF5733;
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     _init_.py
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font-size: 40px;
color: ■#ccc
     apps.py
     views.py
     > myenv

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## **Booklist.html**

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      _init_.py
လူ
                                           <title>Welcome to the Library</title>
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      settings.py
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                                                  width: 100%;
border-collapse: collapse;
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                                               th, td {
    padding: 8px;
      > migrations
      __init__.py
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      admin.pv
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                                               th {
    background-color: ■#f4f4f4;
      models.py
     > myenv

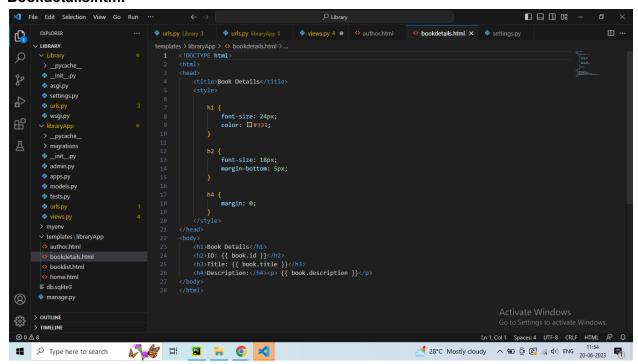
∨ templates \ libraryApp

      author.html
                                           ◆ booklist.html

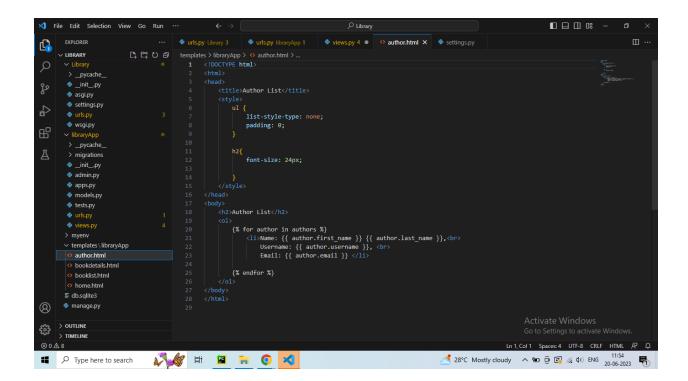
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#### **Bookdetails.html**



#### Authorlist.html



## **Library Pages**

### Home



## WELCOME TO THE LIBRARY

"Reading is essential for those who seek to rise above the ordinary." - Jim Rohn



#### **BookList**



#### **Book List**

• 10 Situations When You'll Need to Know About Django

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

· 5 Bad Habits That People in the Django Industry Need to Quit

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· 20 Things You Should Know About Diango

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· 7 Answers to the Most Frequently Asked Questions About Django

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• 7 Answers to the Most Frequently Asked Questions About Django

Activate Windows



## **BookDetails**



#### **Book Details**

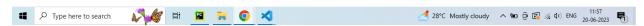
ID: 4

#### Title: 7 Answers to the Most Frequently Asked Questions About Django

#### Description:

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the painto electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Lertaest sheets containing Lorem Ipsum, passages, and more recently with desktop publishing lorem Legel Maker including versions of Lorem Ipsum.

Activate Windows
Go to Settings to activate Windows



## **AuthorList**

