<https://github.com/Iforgotaboutitin2seconds/Sprint.git>

<https://github.com/users/Iforgotaboutitin2seconds/projects/1>

I assume that you are new team member and are trying to understand stuff before you mess everything up.

Welcome!

If you are not the new team member, it is about time that you remember how to do all these basic stuffs.

Ignore the above, the old documentation maker was not really taking their med.

Anyways, welcome to the team. This documentation will help you setup the basic environment that displays home page.

You will gain basic understanding of Django with python code that:

Create Model.

Detail View and List View.

Create, Edit and Delete actions for your model.

For the new member, just scroll down and read everything in order.

For the old member that come back for review, go to the [Index](#_Index) page.

Ctrl + Left Click on the blue title to jump right into it.

For the people that wonder why all the documents are in comic sans, is because the maker is really in sans.

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# Step 0: Requirements (Windows 11)

Please know that all the documents are made for windows 11 system. If you do not have the windows 11, please let team lead know, he will help you in person or online.

For you to get started, you will need to install the following, Ctrl + Left Click on the blue underlined word to open link:

* [Git](https://git-scm.com/downloads)(If you need help with this, really? Call the team lead)
* [GitHub](https://desktop.github.com/) Desktop(You will need a GitHub account)
* [Python 3](https://www.python.org/downloads/)(Recommend install it from Microsoft Store)
* [Pip](https://phoenixnap.com/kb/install-pip-windows)(If the website is down, please let team lead know)
* [Visual Studio Code](https://code.visualstudio.com/)

# Step 1: Setup the VM(Virtual Environment)

Why do we need the virtual environment?

* Isolates your project's dependencies.
* Manages different Python and library versions.
* Enhances security.
* Simplifies deployment.
* Aligns with best practices in Python development.

What? You think this is too short and want to know more about it? We have Google for a reason you know.

Step 1: Open Terminal.

Press Windows key:

图片包含 键盘, 电脑, 游戏机, 电路

描述已自动生成

Type cmd:

图形用户界面, 应用程序

描述已自动生成

then press Enter key:

蓝色的键盘

低可信度描述已自动生成

You should see the following:

背景图案

中度可信度描述已自动生成

Step 2: Find a location you want.

For example: C:\Users\kenyo\Desktop\Sprint

Step 3: type “cd C:\Users\kenyo\Desktop\Sprint” in your terminal.

图形用户界面, 文本, 应用程序

描述已自动生成

Step 4: Create the Virtual Environment.

Type “python -m venv yourVMname”

When you see this:

文本

描述已自动生成

You done, check the file to see if it is there:

图形用户界面, 文本, 应用程序

描述已自动生成

# Step 2: Use VM to setup Django

Go to your VM’s file and go under Scripts:

C:\Users\kenyo\Desktop\Sprint\myWorld\Scripts

Type “cd C:\Users\kenyo\Desktop\Sprint\myWorld\Scripts”

Active the VM:

Type ”activate”



Once you see it is activated, type “pip install django”

If you see “A new release of pip is available:”

Type “python -m pip install --upgrade pip”

Now the Django has been installed. Time to use it.

# Step 3: Create Django Project!

Type “django-admin startproject projectname” to create a new Django project.

Replace projectname with whatever name you want.

Type “cd projectname” to go to it.

Type “python manage.py migrate” to apply the changes in the project

Type “python manage.py runserver” to run the server.

文本

描述已自动生成

Go to the link <http://127.0.0.1:8000> to see the home page.

图形用户界面, 文本, 电子邮件, 网站

描述已自动生成

Use Ctrl + C in the terminal to close the website.

# Step 4: Visual Studio Code!

Time to use Visual Studio Code:

电脑屏幕截图

描述已自动生成

Go to the folder that has your vm and Django project:

图形用户界面, 文本, 应用程序

描述已自动生成

Go to extension:

图片包含 图标

描述已自动生成

Install Pylance, Python, SQLite Viewer. Use the search bar:

图形用户界面, 文本, 应用程序

描述已自动生成

手机屏幕的截图

描述已自动生成

Find activate.bat file in the folder click on it(1) and then click run(2).

文本

描述已自动生成

You should be able to see this at the bottom of the vscode.

文本

描述已自动生成

# Checkpoint For Django

At this point, you have understood how to set up the basic environment for Django and a basic homepage for Django.