Django Cheat Sheet

Activate Environment:

Step By Step Instructions:

** Please note that where it says your_project_name or your_app_name, etc, those are just placeholders. Replace them with the actual project, app, or html name.

In Terminal:

Step One: Creating Project
cd into the folder / space you want your project to be saved in.
*Run this in your terminal: `django-admin startproject your_project_name`

Step Two: Creating an App
cd into the project you just created
Run this in your terminal: `python manage.py startapp your_app_name`

Step Three: Runserver
Make sure you're in your project folder <u>NOT</u> your App Folder (in terminal), run

`python manage.py runserver`

Step Four: Open VS Code
While still in the project file on terminal, type *code .* to open the project folder in VS Code.

In VS Code:

Step Five: Add app
In the project *folder* head to the <u>settings.py</u>.
find `INSTALLED_APPS = [ ]` and add your app. => `'your_app_name'` to the list.

If not adding to the end of list, make sure you add **, after your app name. ('your_app_name',)

Step Six: Add include to urls.py

Navigate to urls.py (In project folder) and add this code:

`from django.urls import path, include`

```
urlpatterns = [path(' ', include('_your_app_name_.urls')),]
```

** NOTE: You will not need the admin stuff so you can delete or comment it out

Step Seven: Close project folder

Close your *settings.py* and *urls.py* files (in project folder). You will not need to touch these again.

Step Eight: Create urls.py app file

Navigate to *your_app folder* and create **urls.py** file.

In **urls.py** paste this code.

```
from django.urls import path
from . import views

urlpatterns = [
path(' ', views.method_name),
]
```

Step Nine: Create Method

Navigate to *views.py* file.

Create new method that matches what you just created in your **urls.py**

Step Ten: Define Method Return Type

Define what you want your method to do. (render, redirect, HttpResponse)

** If you use redirect or HttpResponse you will need to bring it in.

Like this: from django.shortcuts import render, redirect, HttpResponse

ADVANCED
*** Using render*

Step Eleven: Create templates folder

In your app folder, create a new folder called *templates*

–This is where we will put our HTML files

IMPORTANT: The name MUST be the <u>exact</u> same as what you see here. This is a key word for Django and spelling, capitalization and everything must match.

Step Twelve: Create HTML files

Navigate to the templates folder you just created and make a new file inside.

```
Your_html_file.html
```

** If the ! does not work to bring up the boilerplate, check the bottom right of your VS Code. If it says Django HTML, the boilerplate will not show up. To fix this, click on the *Django HTML* and a search bar will appear. Type in HTML and when it shows up, click on it. That should fix the problem.