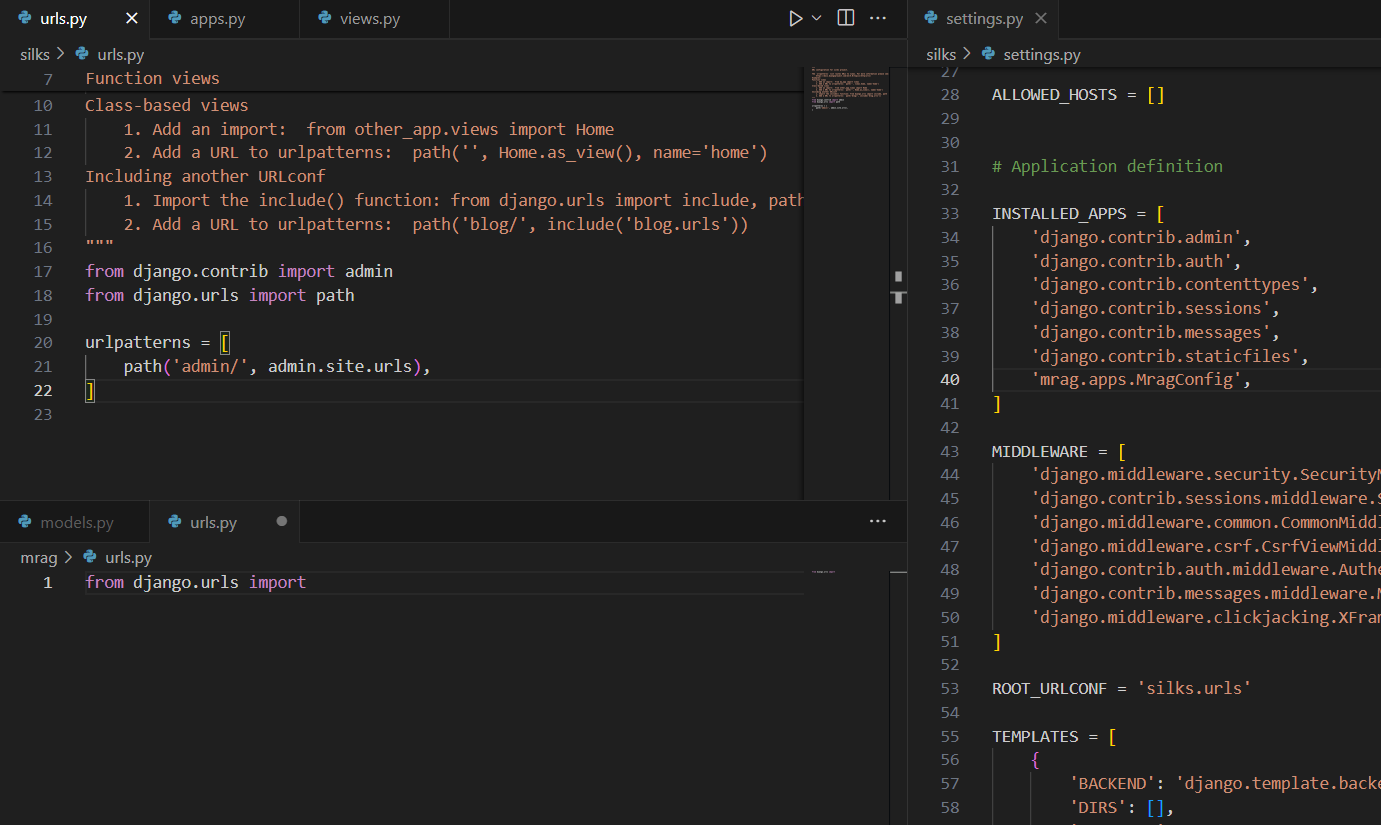
**Django Learning**

**Step-1:**

1. (In command) - virtualenv project\_env,
2. (In command) - project\_env\scripts\activate
3. (In command) - pip install Django
4. django-admin startproject “Project Name(eg:silks)”
5. (cd to project) - python manage.py startapp “App Name(eg:mrag)”
6. To run the server, (cd to project) --- ‘python manage.py runserver’

**Step-2:**

Set-up VS-code as: 

**Step-3:**

Create a file “urls.py” inside the app(mrag) folder and add these lines:

from django.urls import path

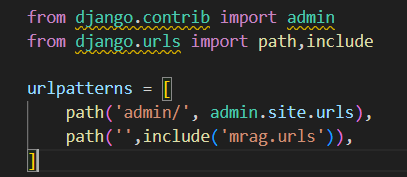
from . import views

urlpatterns = [

    path(" ", views , name = " " ),

]

And add these lines to urls inside “project(silks)” folder.



**Step-4:**

Add the “<app\_name>.app.<app\_name>Config” to “INSTALLED\_APPS” list inside “Settings.py”,

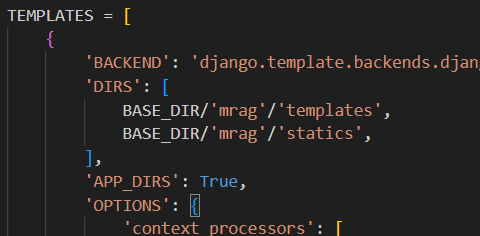
Format : “<app\_name>.app.<app\_name>Config (last\_line)



**HTML and CSS pages**

**Step-5:** (Adding HTML and CSS pages to the app)

Create a “templates” folder. And add its directory in “DIRS” list inside “settings.py”.

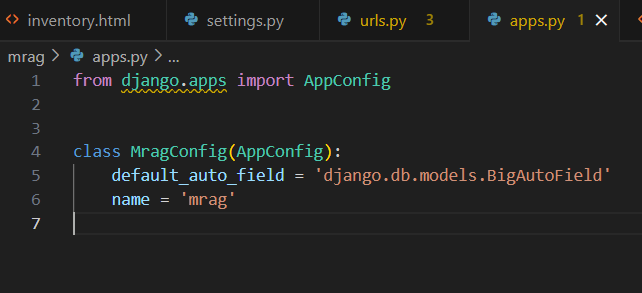


**Step-6:**

use “exclude” and “include” templates.

**Step-6b:**

Includes these in the app(marg) apps.py file.



**Database**

**Step-7:**

Before creating models, u need to create superuser for admin permissions.

*python manage.py createsuperuser*

**Step-8: (Models)**

Create models class for everyTable.

class recipeName(models.Model):

id = models.UUIDField(primary\_key=True, default=uuid.uuid4,editable=False)

    RecipeName = models.CharField(max\_length = 30)

    Author = models.CharField(max\_length = 30, null = True , blank = True)

    Desc = models.TextField(blank = True , null = True)

    #choices

    class CuisineChoices(models.TextChoices):

        INDIAN = 'Indian', 'Indian'

        AMERICAN = 'American', 'American'

        CHINESE = 'Chinese', 'Chinese'

        JAPANESE = 'Japanese', 'Japanese'

    Cuisine = models.CharField(max\_length = 10,choices = CisineChoices.choices)

    def \_\_str\_\_(self):

        return self.RecipeName

Then, run *python manage.py makemigrations*

*python manage.py migrate*

**Step-9:**

Then, add this model class (recipeName) to the admin.py in ur app.

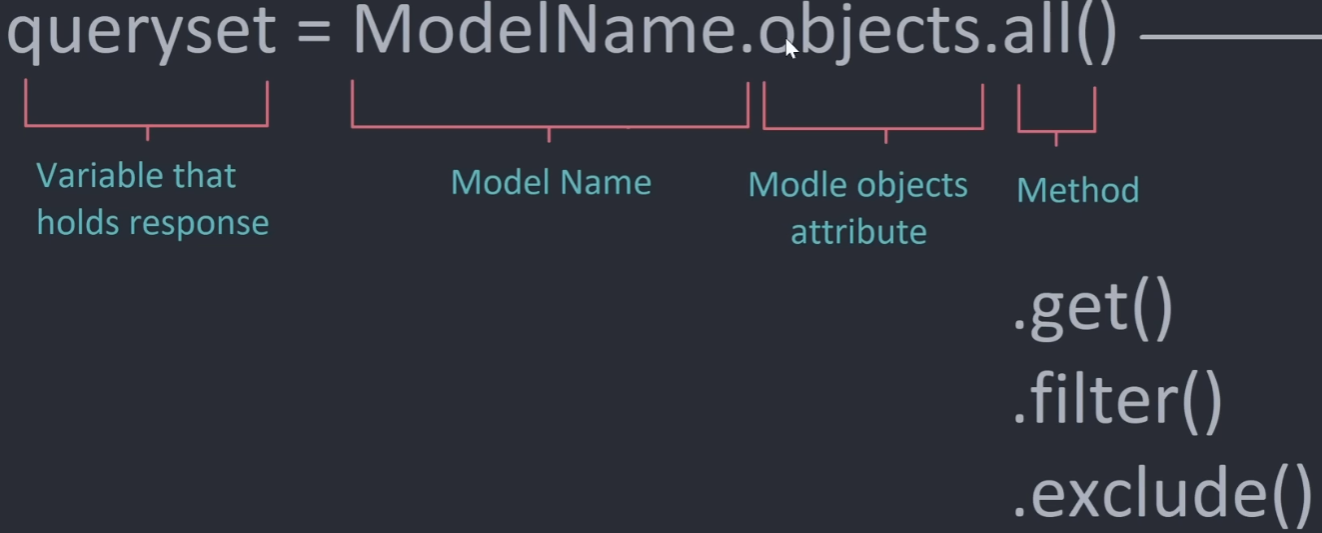
from . import models

admin.site.register(models.recipeName)

then add the data as ur wish to the database (recipeName).

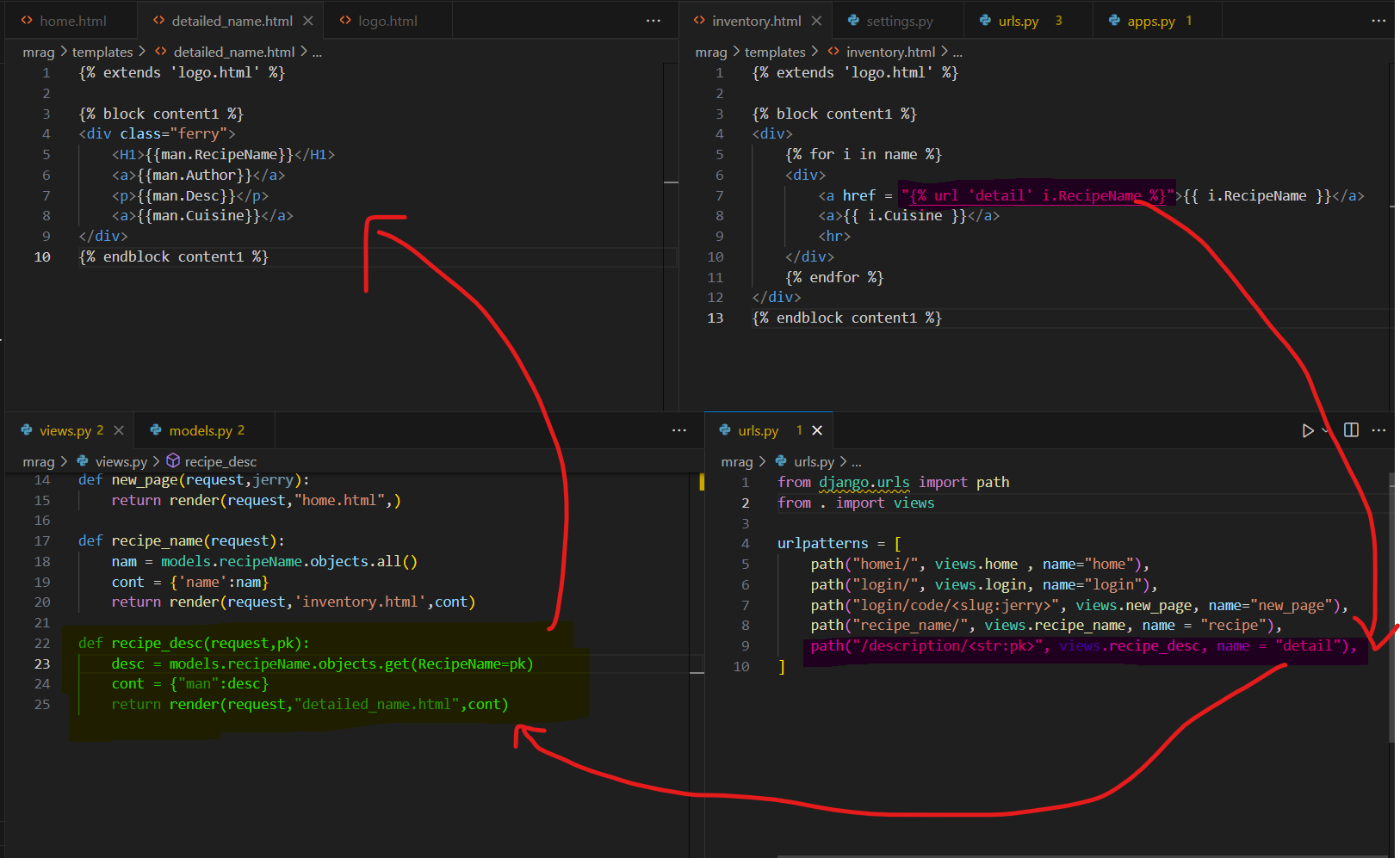
**Step-10:**

Now, after this, come to views.py and try to get data from database and display in the static page.



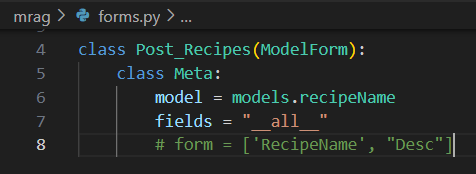
**Step-11:** (HTML page redirection & Fetching data from DB).

1. Once, the href is declared with href = {% url ‘*abc*’ id %},it redirects to url.py
2. Then, the ‘abc’ should only be refered in the name argument in the path function.
3. Also, the <str:xyz> , in the path function, should be mentioned in the views function “views.(fxn\_name)” in views.py as xyz only.
4. Only the keys in the dictionary should be refered in the html page.

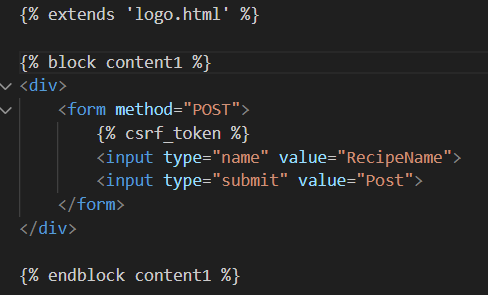


**Step-12:** (Posting Data).

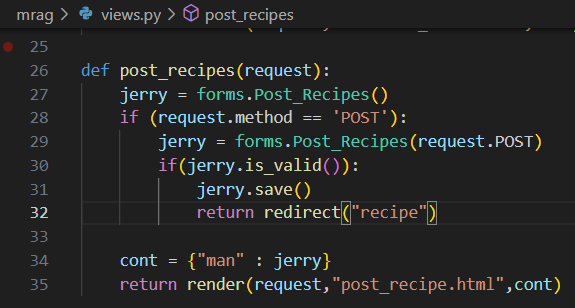
1. Create a “forms.py” do necessary imports and import forms into “views.py”.

****

1. Then, create a new html file for posting into DB. (include csrf\_token).

****

1. Inside forms.py, we do the updates to DB. The “recipe” in the redirect function denotes the name present path function in urls.py.

****

1. Inside urls.py, we need the path as

path("NewRecipes/", views.post\_recipes, name = "create"),