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# Create a directory for your virtual environment
# and Django project
mkdir tut1
cd tut1

# Setup Django virtual environment
pipenv install django==3.0

# Start the virtual environment
pipenv shell

# Create a project that will hold the apps
# Make sure you use a underscore and not a dash
# in the project name
django-admin startproject tut1 .

# Create a new app called pages
python manage.py startapp pages

# A Django project contains multiple apps that provide
# an individual piece of functionality.
# A different app for each user authentication,
# displaying database information, processing payments,...

# Project default files
# 1. admin : Config file for Django admin app
# 2. apps : Config file for the app
# 3. migrations : Tracks changes to the models file
# 4. models : Define db models that Django translates
# into db tables
# 5. tests : Used to test the app
# 6. views : Handles requests and responses with user

# You must add the app to the projects settings.py file
# Make sure it is added at the end
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'pages.apps.PagesConfig', <---- ADDED HERE
]

# Change the timezone to New York with
# https://en.wikipedia.org/wiki/List\_of\_tz\_database\_time\_zones
TIME_ZONE = 'America/New_York'

# Django apps are made up of normally 4 files being
# urls.py in the project folder along with models
# views and the HTML template in the app folder

# When a user visits your site the url is mapped to

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# a view which merges the HTML template with the model
# which is data from the database
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# We'll set it up so that when the user requests a URL
# that we'll respond with Hello Django
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# 1. Update views.py
from django.http import HttpResponse
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def HomePageView(request):
    return HttpResponse('Hello Django')
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# 2. Create urls.py in the pages app
from django.urls import path
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# Import views by looking in the directory for views.py
from .views import HomePageView
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# Match for an empty request following the website
# name, reference the view named homePageView and
# an optional URL pattern
urlpatterns = [
    path('', HomePageView, name='home')
]
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# 3. Update the projects urls.py file to include our app
# This line says if they go to the website and don't
# provide a directory they will be sent to our app
from django.contrib import admin
from django.urls import path, include
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urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('pages.urls')),
]
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# 4. Start the server to test the app
# http://127.0.0.1:8000/
python manage.py runserver
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