

chapter 14 exercise instructions:

Overview:

Using Django's builtin project starter (django-admin), create a new Django project named djangohello.

Add an app named hello. Follow the steps outlined in this chapter. Create a view named home which returns the phrase "I am now a Django developer" as an HttpResponse.

Configure the project's urls.py to map the empty URL to the home view.

Use manage.py to start up the site. Go to a browser, type in http://localhost:8000, and view your

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1. Create a New Django Project

- Open your terminal or command prompt.
- Navigate to the directory where you want to create your project.
- Run the following command:

```
django-admin startproject djangohello
```

2. Create a New App

- Navigate into the newly created djangohello directory:

```
cd djangohello
```

- Run the following command to create the app:

```
python manage.py startapp hello
```

3. Create the View

- Open the views.py file inside the hello app.
- Add the following code:

```
from django.http import HttpResponse
```

```
def home(request):  
    return HttpResponse("I am now a Django developer")
```

4. Configure URLs

- Open the urls.py file inside the djangohello project directory.
- Add an import for the include function and modify the url-patterns list as follows:

```
from django.contrib import admin
from django.urls import path, include
```

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('hello.urls')),
    # Include the app's URLs
]
```

- Create a new file named `urls.py` inside the `hello` app.
- Add the following code to the `hello/urls.py` file:

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

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

5. Start the Development Server

- Make sure you are still in the `djangohello` directory.
- Run the following command:

```
python manage.py runserver
```

6. View Your Work

- Open your web browser and go to `http://localhost:8000`.
- You should see the message "I am now a Django developer".
- **django-admin startproject:** creates the basic structure of a new Django project.
- **python manage.py startapp:** creates a new app within your project. Apps help you organize your code into logical units.
- **views.py:** contains the functions (views) that handle user requests and generate responses. In this case, the `home` view simply returns a text message.
- **urls.py (project level):** defines the URL patterns for your entire project. We include the app's URLs using `include('hello.urls')`.
- **urls.py (app level):** defines the URL patterns specific to the `hello` app. We map the empty URL `('')` to the `home` view.
- **python manage.py runserver:** starts the development server, allowing you to view your Django project in a browser.