Django: Getting Started

STARTING A DJANGO PROJECT

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Overview

Introducing Django

Requirements

Project demo

Create a project and run it

Python web framework

Build web apps quickly

With less code

Named after Django Reinhardt

Batteries Included

ORM	**Templates**	**Forms**
Admin	**URL mapping**	**Packages**

What You Should Know Already

Python

Basics

Web development

Basic HTML

Basic CSS

Databases

Basic concepts

Tables, rows

INSERT/UPDATE

Software Requirements

Any operating system: Linux, Mac OS, Windows

Python 3.6, 3.7, or 3.8. Latest version is recommended.

An editor with Python support. I use Pycharm Community Edition.

Project Preview

Demo

Starting a Django project

- Start a Pycharm project

- Install Django

- Create a Django project

- Run the project

- Inspect the results

```
# Install the latest Django release

python -m pip install django


# Starting the project

django-admin startproject my-project-name
```

Starting a Django project

Best practice: always install packages inside a virtual environment

Pycharm creates an environment for you when starting a project

The django-admin script is installed inside the virtual environment

So it should be active when running this

```
# Move into the project directory

cd my-project-name


# Run the development server

python manage.py runserver
```

Running the project

This runs the Django development server

Will reload Python code automatically

Stop the server with Ctrl+C

Do NOT use the Django
development server
in production

Course Materials

https://github.com/codesensei-courses/
django_getting_started

Summary

Installing Django

Setting up a Django project

Running the project

Exploring the project contents