



KIDS & TEENS FREELANCING TRAINING INSTITUTE

Django Course Outline

Module 1: What is Django?

- Introduction to Django as a web development framework for Python
 - Real-life example: Building a blog or e-commerce website with Django
 - How Django helps create websites quickly and securely
 - Setting up Django using Python and pip
 - Activity: Install Django and start your first project
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Module 2: Django Project & App Structure

- Understanding the difference between a project and an app
 - Overview of Django's folder structure and settings
 - Real-life example: Project = School website, App = Student records
 - Creating your first Django app using `startapp`
 - Activity: Create a project and add an app
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Module 3: Views, URLs & Templates

- Creating web pages using views and templates
 - Mapping web addresses with URL patterns
 - Real-life example: Creating an About page or homepage
 - Introduction to Django templating language
 - Activity: Build a simple website with multiple pages
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Module 4: Working with Models & Databases

- Defining models for storing data in the database
- Using migrations to apply database changes

- Real-life example: Creating a model for blog posts or products
 - Activity: Create and display items from a database
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Module 5: Admin Panel & Forms

- Using Django's powerful built-in admin dashboard
 - Customizing the admin interface
 - Creating and handling user input with forms
 - Real-life example: Submitting a contact form or blog post
 - Activity: Add models to the admin and submit data using a form
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Module 6: User Authentication & Security

- Adding user login, logout, and signup functionality
 - Real-life example: Building a members-only area or user profile
 - Using Django's secure authentication system
 - Activity: Create a basic login system for your app
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Module 7: Static Files, Media & Templates

- Handling images, CSS, and JavaScript files in Django
 - Displaying uploaded content like profile pictures or blog images
 - Real-life example: Uploading and showing user profile photos
 - Activity: Add media files and style your Django website
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Module 8: Deploying Your Django App

- How to host your Django app online using platforms like PythonAnywhere or Render
 - Real-life example: Sharing your blog or portfolio with the world
 - Collecting static files and preparing your app for production
 - Activity: Deploy your project and test it live
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Bonus Materials

- Django cheatsheet and command list
- Mini project ideas: Blog, To-Do App, Portfolio Site

- Access to free Django hosting platforms
- Certificate of Completion for Django Web Development