

Freelancing with Python Django - Class Outline

Duration= 4 months - (20000 tk)

Total class = 32 classes

Course duration = 64 hours (4 Months)

Class 1: Orientation Class.

Class 2: Introduction to Django & HTML

- Overview of Django framework and its use in web development.
- Basic HTML structure: tags, headings, paragraphs, links, images, and forms.
- Build a simple HTML page.

Class 3: HTML + CSS Styling

- CSS basics: selectors, properties, and values.
- Flexbox and Grid layout systems.
- Style an **e-commerce product card** (image, title, price, button).

Class 4: Basic JavaScript for DOM & Interactivity

- DOM manipulation: `getElementById`, `querySelector`.
- Event listeners: click, submit, etc.
- Build an **“Add to Cart”** button with a dynamic cart counter.

Class 5: Building the E-Commerce Homepage(Ready Mate Template Customization)

- Find suitable frontend template for project.
- Template Modification.

Class 6: Python Basics & Setup

- Installing Python & IDE (VS Code / PyCharm / etc.)
- Writing & running Python scripts
- Variables & data types (int, float, str, bool)
- Input/output (`print()`, `input()`)
- Basic operators (+, -, *, /, %, //, **)

💡 Mini Task: Write a script that takes user input (name & age) and prints a welcome message.

Class 7: Control Flow

- Conditional statements (`if`, `elif`, `else`)
- Comparison & logical operators
- Indentation rules in Python
- Nested conditions

💡 Mini Task: Write a program that asks for a number and prints whether it's positive, negative, or zero.

Class 8: Loops & Collections

- `for` and `while` loops
- `break` and `continue`
- Lists, tuples, and sets
- Iterating over collections

💡 Mini Task: Write a program that prints all even numbers from 1–50 using a loop.

Class 9: Dictionaries & Functions

- Dictionary basics (key-value pairs)
- CRUD operations with dictionaries
- Functions (`def`, return values, parameters)
- Scope of variables (local vs global)

💡 Mini Task: Create a function that takes a dictionary of students and marks, and prints the name of the student with the highest mark.

Class 10: Python OOP Basics (For Django Models)

- Introduction to classes & objects
- Attributes & methods
- `__init__` method
- Example: Representing a `Student` as a class

💡 Mini Task: Create a `Book` class with attributes `title`, `author`, and `price`. Add a method `discounted_price()` that returns the price after a 10% discount.

Class 11: File Handling & Django-Oriented Concepts

- Reading & writing text files (`open`, `with`)
- Exception handling (`try`, `except`)
- Python virtual environments (very basic intro)
- How Python connects with Django (why we need all these basics)

💡 Mini Task: Write a program that saves a user's details (name, email) into a file, then reads and prints it.

Class 12: Django Setup & First Project

- Install Django & virtual environment
- Create project & run server
- Project structure explained

💡 Task: Create a project and run it.

Class 13: Apps & URL Routing

- What are apps in Django?
- Create `store` app
- Setup `urls.py` for project & app
- First simple view

💡 Task: Create `/products/` route that shows "Products Page".

Class 14: Templates & Static Files

- Template rendering (`render()`)
- Template inheritance (`base.html`)
- Using static files (CSS/JS/images)

💡 Task: Create homepage with navbar + footer using inheritance.

Class 15: Models & Database

- Create `Product` model (`name`, `price`, `desc`, `image`)
- Migrations (`makemigrations`, `migrate`)
- Django admin setup

💡 Task: Add products via admin.

Class 16: Displaying Products

- Queryset basics (`objects.all()`)
- Passing data to templates
- Looping in templates

💡 Task: Show product list in `/products/`.

Class 17: Product Details Page

- Dynamic URLs (`path('<int:id>/')`)
- `get_object_or_404`
- Product detail template

💡 Task: Show product details at `/products/1/`.

Class 18: User Authentication (Signup & Login)

- Django built-in auth system
- User registration
- Login/logout functionality

💡 Task: Create `/signup/` & `/login/`.

Class 19: User Authentication (Profiles & Restrictions)

- Restrict cart & checkout for logged-in users
- User profile basics
- Logout & redirect

💡 Task: Restrict checkout to logged-in users only.

Class 20: Shopping Cart (Session-Based)

- Use sessions for cart
- Add product to cart
- View cart items

💡 Task: Add "Add to Cart" button to product detail.

Class 21: Cart Management

- Increase/decrease quantity
- Remove item from cart
- Cart total calculation

💡 Task: Implement "Remove" button in cart.

Class 22: Checkout Process

- Checkout form (shipping details)
- Save order data in DB
- Connect cart → order

💡 Task: Create **Order** model with user & address.

Class 23: Order History

- Show user orders in profile
- Display order details
- Track order status (pending, confirmed, delivered)

💡 Task: Show logged-in user's past orders.

Class 24: Admin Customization

- Customize product admin list view
- Add categories to products
- Manage orders from admin

💡 Task: Add category filter for products in admin.

Class 25: Final Project Review & Polishing

- Improve templates
- Add search bar & product filtering
- Add messages (success/error notifications)
- Project walkthrough (end-to-end flow)

💡 Task: Polish UI & test full workflow (Browse → Cart → Checkout → Orders).

Class 26: Problem Solving & Q/A

Class 27: Freelancing Mindset & CV Building

- Introduction to freelancing opportunities (local & international)
- Choosing the right niche (web dev, Django, full-stack)
- How to write a tech-focused CV (skills, projects, achievements)
- Common mistakes in CVs

💡 **Task:** Create/update a CV with one Django project included.

Class 28: LinkedIn Profile Optimization

- Why LinkedIn matters for freelancers
- Optimizing headline, about, and experience sections
- Adding portfolio/projects to LinkedIn
- Networking strategies (connections, posts, recommendations)

 **Task:** Create/optimize LinkedIn profile with a professional photo & updated project.

Class 29: Freelancing Platforms Overview

- Fiverr vs Upwork vs Local marketplaces
- How to choose the right platform for beginners
- Creating a professional portfolio outside platforms (GitHub/Portfolio site)
- Understanding client needs & market demand

 **Task:** Research 3 Django-related gigs on Fiverr & 3 job posts on Upwork

Class 30: Fiverr – Getting Started

- Setting up Fiverr account
- Writing gig titles & descriptions
- Choosing keywords & tags
- Pricing strategies (3 packages: Basic, Standard, Premium)
- Creating portfolio images/videos for gigs

 **Task:** Create one Fiverr gig (e.g., “I will build a Django eCommerce website”).

Class 31: Upwork – Getting Started

- Setting up Upwork account
- Building a strong profile & portfolio section
- Connecting payment methods
- Writing winning proposals (structure + samples)
- Client communication basics

 **Task:** Write & submit a sample proposal for a Django job.

Class 32: Growth & Client Management

- How to get first orders (early client strategies)
- Handling clients (professional communication, reporting progress)
- Time management & pricing upgrades
- Building long-term clients & referrals
- Scaling up freelancing → agency / team

 **Task:** Draft a weekly freelancing growth plan (hours to spend, platforms to focus, networking steps).