



## Backend Development with Django-8 Projects

### **Description:**

The most widely used Python web development framework is Django. Django is a Python framework that covers all elements of web development, from handling requests and answers to creating dynamic HTML pages using templates and making database access and maintenance simple. This course has it all baked in, and it's all covered in excellent depth. Django is taught from the ground up in this course. We'll start from the beginning and work our way up, learning how to construct Django projects, execute them, and add functionality step by step.

### **Start Date:**

### **Doubt Clear Time:**

### **Course Time:**

### **Features:**

# Course material

- # Course resources
- # On demand recorded videos
- # Practical exercises
- # Quizzes
- # Assignments
- # Course completion certificate

### **What we learn:**

- # Webpages in Django
- # Admin control
- # Sliders
- # Search feilds
- # Navbars
- # Components
- # User authentication
- # Facebook and Google authentication
- # Django message frameworks
- # Django contact forms

### **Requirements:**

- # System with minimum i3 processor or better
- # At least 4 GB of RAM
- # Working internet connection
- # Dedication to learn

### **Instructor:**

### **Name:**

Hitesh Choudhary

## **Description:**

I like to make videos related to code and tech in my free time. I also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

## **>Getting tools ready for Django:**

>>Tools that we need

>>Your first HelloWorld project in Django

>>Understanding file structure

## **>Project 1 - Getting basics done:**

>>our very first Django App

>>Configuring new app

## **>Project 2 - All about templating basics:**

>>Project 2 and templating basics

>>Rendering form HTML Page

>>Adding an about us page

>>Adding contact Us page

>>Extending pre built templates

## **>Project 3 - Interaction with**

## **Database:**

- >>Setting up command project
- >>Creating our first model for sqlite3
- >>Registering models to admin
- >>Create read update and delete from database

## **>Project 4 - Blog with static pages and Unique URL:**

- >>Articles app creation
- >>ForeignKey and many to one relation
- >>Adding articles in database
- >>Configuring URLs
- >>Setting up home page
- >>Adding static files for css
- >>Unique URL for articles

## **>Project 5 - Handlling forms and taking input from user:**

- >>Handling user input via forms - setup
- >>Preparing models and admin
- >>fixing views and other issues
- >>Making templates look great with static files
- >>fetching data from database

>>Interaction with Django forms

>>Taking input from user and storing it in database

**>Project 6- A CRUD Blog from  
user input:**

>>Jump start of CRUD project

>>Reusing admin fields in web page

>>Update from database

>>Delete from database and reverse lazy urls

**>Project 7 - A TODO list with  
sqlite3:**

>>How we will take down this TODO

**>Project 7 - A TODO list with  
sqlite4:**

>>Create models for database

**>Project 7 - A TODO list with  
sqlite5:**

>>Setting up templates and static files

**>Project 7 - A TODO list with  
sqlite6:**

>>Adding a todo and decorators

**>Project 7 - A TODO list with  
sqlite7:**

>>Finishing up Todo

**>Project 8 - Login, Logout and  
SignUp:**

>>Setup URL for login

>>Having a login View

>>A working Login and logout

>>A complete signup app