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MODULE 1: Introduction to Django

- Introduction to Django
- How to Install Django?
- Understanding Django Architecture | MVT Architecture
- Creating Your First Django Project

MODULE 2: Django Basics

- Django Views
- Django URLs
- Django Templates

MODULE 3: Django Models

- What is Data Modeling?
- Django Models
- Relations in Django Models
- Django DateTimeField
- Django Foreign Key
- Circular Relationships in Models
- Django Generic Relationship

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MODULE 4: DB and Django ORM

- Django Database
- Migrations in Django
- MySQL With Django
- Generating Dummy Data in Django
- Django ORM Introduction
- Resetting DB in Django
- Manager & QuerySet in Django Models
- Django ORM Queries
- Q Objects and F Objects
- Django Sorting
- Selecting & Deferring Fields
- Aggregating and Annotating Objects
- Grouping Data
- Django Querying General Relationships
- Django Custom Managers
- The QuerySet Cache
- Django QuerySet and CRUD
- Django CRUD on objects
- Django Transactions
- Django Running Raw Queries

MODULE 5: Django Admin

- Django Admin
- Setting Up Django Admin
- Customizations in Django
- Working on List Page in Django
- Custom actions in Django Admin
- Custom Forms
- Data Validation in Django
- Generic Relations and Pluggable Apps

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MODULE 6: DRF

- Django REST API
- Installation and Intro to DRF
- API Views Using DRF
- Serializers in Django
- Serializers Advance
- Deserialization in Django
- Data Validation Using DRF
- Saving and Deleting Objects in in DRF

MODULE 7: Advanced Django

- Django Class-Based Views
- Using and Customizing Generic Views in Django
- Viewsets
- General and Nested Routers
- Filtering
- Searching, Sorting and Pagination in Django

MODULE 8: Authentication in Django

- Django Authentication System
- Django User Model
- Profiles and Groups in Django
- Permissions (Inbuilt and Custom) in Django
- Building User Flow
- User Permissions in Django

MODULE 9: Django Deployment

- Deploy Django App on Heroku
- Setting up Django for Production - 1
- Setting up Django for Production in Django

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MODULE 10: Expanding Djangos Horizon

- Celery and Redis with Django
- Creating and Executing Tasks Using Message Broker in Django
- Emails with Django
- Upload File in Django
- Validation of Uploaded Content in Django
- Django Crispy Forms
- Signals in Django
- Managing Uploaded via Admin
- How to Create a Basic Single-Page App Using Django?
- Testing Django Project - 1/Testing Django Project - 2

MODULE 11: Build with Django

- Popular Django Projects