



Curriculum Of Django

DJANGO INTRODUCTION

- Introduction about Django and Django Components
- Installing & Configuring Django Components Django
- Pre-Requisites Downloading & Installing Django Choosing a Database Creating a New Project

DJANGO VIEW

- The basics: URLConfs, View functions, Shortcuts, Decorators,
- File Uploads: Overview, File objects, Storage API, Managing Files
- Class-based Views: Overview, Built-in display views, Built-in editing views, Using mixins, API reference,
- Advanced: Generating CSV, Generating PDF

DJANGO TEMPLATE

- Basics Overview
- Language overview, Built-in tags and filters
- Template API
- Custom tags and filters
- Django Template Language
- Static and Media file
- Template merging using static and media file.

DJANGO MODEL

- Models: Introduction to models, Field, types, Meta options, Model class
- Query Sets: Making queries, Query Set method, Lookup expressions
- Model Instances: Instance methods, Accessing related objects
- Migration: Introduction to Migrations
- Advanced: Managers, Transactions, Aggregation, Search, Custom fields, Query Expressions, Conditional Expressions Database Functions

DJANGO FORMS AND MODEL FORMS

- The basics: Overview, Form API
- Built-in fields, Built-in widgets
- Advanced: Forms for models, Integrating media, Formsets, Customizing validation
- Session and Cookies Management
- Introduction of Session
- Type of Session storage
- Introduction of Cookies
- Advanced: Forms for models, Integrating media, Formsets, Customizing validation



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DJANGO ADMIN

- Admin site
- Admin actions
- Admin Customizations

DJANGO REST FRAMEWORK

- REST Framework Introduction
- Installation of REST Framework
- Web brows able API
- Creating and Consuming REST API
- Consuming and Sending JSON Data through REST
- Requests and Responses.
- Serialization, Model Serializer
- Access REST using POSTMAN, JavaScript, Console Application,
- Window Application
- Security in REST (BASIC, Session, Token Authentication)

PROJECT WORK

- Introduction E-commerce Project
- Modules of E-Commerce (User, Admin, Customer, Account, Cart etc.)
- Integration of all modules

DEPLOYMENT PROCESS

- Settings : Overview, Full list of Settings
- Cloud Deployment (Digital Ocean, Heroku, Python anywhere)