

DJANGO



CURRICULUM

» Introduction

- What is Django..?
- Installing Django
- MVC

» Views

- Your First View
- Mapping urls to Views
- How django process a request..?
- Urlpatterns
- Regular expressions
- 404 Errors

» Templates

- Template Basic
- Dictionaries and Contexts
- Built-in Tags & filters
- Custom Tags & filters
- Using Templates in Views

» Models

- Define models
- Setting up database access
- Creating django apps
- Defining model fields
- Creating a model
- How to create tables for models in Database
- Adding Model String Representations
- Inserting & updating Data
- Filtering Data
- Ordering Data
- Slicing Data
- Deleting Objects

» Django Admin Interface

- Enabling admin interface
- Creating admin user

» Django Forms

- Forms in Django
- Searching Query
- GET & POST methods
- Form fields in django
- Simple validation
- Custom Validation

- Building a form in Django
- Placing form instance into the templates context

» User Authentication

- User objects
- Using the Django authentication system
- Authentication Views
- Extending the existing User model
- Build a login-logout application

» Class-Based Views

- View()
- TemplateView()
- CreateView()
- ListView()
- DetailView()
- FormView()
- UpdateView()
- DeleteView()

» Pagination

- Function based pagination
- class based pagination

» Sending mail

- Configure email setting
- Send_mail funtion

» Generating output in other format

» Django Session Framework

- Introduction about Sessions & cookies
- How to use sessions..?
- Using sessions in views
- Authentication in web requests
- Login & Logout with session

» Django Middleware

- Activating middleware
- Write your own middleware
- Expire session due to inactivity

» Django Rest API Framework

» Deploying Django Project

» Projects

- Blog
- E-commerce web application

Partners :



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