

Django Course

1. INTRODUCTION TO FRONT END

- Html
- CSS
- Java script
- Bootstrap

2. INTRODUCTION TO DJANGO

- Features of Django
- Django web server
- Understanding Django environment
- A simple 'Hello world' application

3. DISPLAYING HYPERLINKS - PROJECT

- Django architecture
- MVC and MTV
- Starting a project
- Django apps
- Activating our first app
- A view that displays a hyperlink
- Mapping the views to URLs
- Running our first app
- Improving the views using templates
- The improved templates
- Template inheritance
- Sending data from URL to view
- Sending data from view to template

4. CREATING A WEBSITE - PROJECT

- Starting a project
- Creating an app inside the project
- Activating the app
- Creating model for our site
- Converting the model into a table

- Examples for Fields in Models
- Basic data access using Django shell
- Saving objects into database
- Retrieving objects from database
- Modifying objects of database
- Sorting objects
- Filtering objects
- Deleting objects
- Making changes in the data model

5. CREATING ADMINISTRATION PANEL

- Using the admin interface
- Customizing the admin interface
- Adding users
- Data access and modification using admin panel
- Giving permissions to users

6. CREATING FIRST PAGE OF OUR SITE

- The Django template system
- Template Inheritance
- Improving the website
- Adding background color for web pages
- Adding banner to the web site
- Adding background image in the web pages
- Storing and displaying images
- Adding users to our site
- Uploading the information by user
- Changing the administration interface title

7. DJANGO FORMS CREATION

- Forms basics
- Creating Contact Us form
- Form field examples

8. DJANGO'S EMAIL FUNCTIONALITY

- Configuring email settings
- Sending emails with Django

9. DJANGO TEMPLATE LANGUAGE

- Django template tags
- If/else
- If/ elif /else
- For
- Comments
- Filters
- Using templates to display data in the site

10. INTEGRATING BOOTSTRAP INTO DJANGO

- Introduction to Bootstrap
- Creating tables
- Creating grids
- Creating carousels

11. SESSIONS AND COOKIES

- Difference between session and cookie
- Creating sessions and cookies in Django

12. USING OTHER DATABASES IN DJANGO

- Using SQLite
- Configuring MySQL database
- Working with MySQL in Django
- Configuring Oracle database
- Working with Oracle in Django

13. DJANGO RESTful API

- CRUD operations

14. LIVE PROJECT IMPLEMENTATION