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The Python Django Certification course provides a thorough understanding of the Django REST framework and Django web framework. The course equips the delegates with the essential knowledge and skills required to create and deploy robust web applications and apps using Django. The course helps the delegates to gain proficiency in Python programming. The delegates will be introduced to the basics and the advanced concepts like working with Databases, writing Python scripts, creating views, Templates, file operations in Python and much more. By the completion of the course, the delegates will be able to create safe web applications by using security implications and integrating features of Django.

Django is the most popular Python web framework. It is extensively used by the large corporations in the world such as NASA, Facebook, Disqus and Instagram. Learn core concepts of Django starting from scratch to advanced level with our two day Python Django Certification program. Throughout the course, the candidates will learn how to make successful web applications by increasing reusability and using effective interface systems. The delegates will also learn to create the Django admin interface and configure Django to liaise with powerful databases. The course is beneficial for Python and web developers who want to enhance their working knowledge with Django.

Prerequisites

No specific pre-requisites are required for attending the course. However, understanding of HTML and elementary programming constructs would be beneficial.

Course Objectives

- Understand the data structures used in Python
- Explain exceptions and errors in the program
- Explore the core construct of the Python Programming Language
- Play with databases and data persistence in the Database or some flat files
- Learn how to use the Django Template System
- Get insights into the Debug programs
- Create Views and map URLs in Django
- Learn how to create REST APIs
- Describe the approach of the Object-Oriented programming paradigm
- Explain Database Models for representing tables

Overview of Django

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Django Environment

- Installing Python
- Installing Django
- Setting Up a Database

Starting a Project

Life Cycle of Apps

Admin Interface

Dynamic Web Pages

Template System

- Using the Template System
- Template Tags and Filters
- Limitations
- Template Loading
- Template Inheritance

Interacting with a Database Models

Django Administration Site

Form Processing

Generic Views

Sessions and Registrations

Caching

Middleware

RSS and Ajax

Deploying Django

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