view Preparation   Data Science   Topic-wise Practice   C++   Java   Python   Competitive Pro

Django Tutorial

Difficulty Level : Easy   ●   Last Updated : 30 May, 2022

Read   Discuss

Django is a Python-based web framework that allows you to quickly create efficient web applications. It is also called batteries included framework because Django provides built-in features for everything including Django Admin Interface, default database – SQLlite3, etc. When you're building a website, you always need a similar set of components: a way to handle user authentication (signing up, signing in, signing out), a management panel for your website, forms, a way to upload files, etc. Django gives you ready-made components to use and that too for rapid development.

Why Django Framework ?

- Excellent documentation and high scalability.
- Used by Top MNCs and Companies, such as Instagram, Disqus, Spotify, Youtube,

Start Your Coding Journey Now!   Login   Register

lots and lots of advance stuff.

[Recent Articles on Django !!](#)

Django Basics

- [Django Basics](#)
- [Django Introduction and Installation](#)
- [When to Use Django? Comparison with other Development Stacks](#)
- [Django Project MVT Structure](#)
- [How to Create a Basic Project using MVT in Django ?](#)
- [How to Create an App in Django ?](#)

Django Forms

- [Django Forms](#)
- [How to create a form using Django Forms ?](#)
- [Render HTML Forms (GET & POST) in Django](#)
- [Django Form Fields](#)
- [form field custom widgets](#)
- [Initial form data – Django Forms](#)
- [ModelForm – Create form from Models](#)
- [Render Form Fields Manually](#)
- [Django Formsets](#)
- [Django ModelFormSets](#)

Django Templates

- [Django Templates](#)

Django Views

- [Django Views](#)
- [Function Based Views](#)

- [Create View](#)
- [List View](#)
- [Detail View](#)
- [Update View](#)
- [Delete View](#)
- [Class Based Generic Views Django](#)
  - [Createview](#)
  - [ListView](#)
  - [DetailView](#)
  - [UpdateView](#)
  - [DeleteView](#)
  - [FormView](#)

Start Your Coding Journey Now!   Login   Register

- if – Django Templates
- Template Inheritance

Misc

- Handling Ajax request in Django
- User groups with Custom permissions in Django
- Django Admin Interface
- Extending and customizing django-allauth
- Django – Dealing with warnings
- Sessions framework using django
- Django Sign Up and login with confirmation Email

Data

- Basic App Model – Makemigrations and Migrate
- model data types and fields list
- Add the slug field inside Django Model
- Intermediate fields in Django
- Uploading images in Django
- Render Model in Django Admin Interface
- Change Object Display Name using __str__ function – Django Models
- Built-in Field Validations – Django Models
- Custom Field Validations in Django Models
- How to use Django Field Choices ?
- Overriding the save method – Django Models

Projects

- Google authentication and Fetching mails from scratch
- ToDo webapp using Django
- Django News App
- Weather app using Django
- College Management System Using Django
- E-Commerce Website Using Django
- Creating Word Counter App Using Django
- Youtube Video Downloader Using Django