Django The Python Web Framework

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Abstract- This article gives you an overview of why to choose Django over any other framework. Django is a high- level Python framework by using it the development speed will be faster and cleaner. Django is built by the much more experienced people, so it takes care of the web development process in easier way. With takes care of much of the hassle of web development, so we can focus on writing our app without needing to reinvent the wheel. Django is also open source and free and it follows the principle of "Don't Repeat Yourself". At the same time as growing a website selecting the high-quality framework for the specified application is the most important step. Since there are one-of-a-kind forms of frameworks it isn't always a smooth mission. Besides, if the wrong framework is chosen it could negatively affect the internet site. Large quantities of personal statistics and records are being sent and recovered on a day by day basis from net programs. Every application incorporates personal records and therefore has its very own integrity policies. Injection assaults normally takes manipulate over the websites database with the aid of facts injection into the utility. This Research paper studies approximately a python-based web framework called Django. It is an open source framework which follows the fundamental Model View Template shape with afew changes which are explained in the paper and it additionally help us to recognize why we use Django over other web frameworks which might be to be had in the industry and how we are able to install it on our system and create a fundamental task using this framework following .

Key words-Python, Web Development, Model-View-Template. Django, web framework, websites, Template shape, model, template, views, urls, patterns

HISTORY

In 2003 by Lawrence, Django was designed and developed and released to the open public under BSD license in 2005.Currently, Django Software Foundation takes care of maintenance and new releases.
Django is widely accepted and used byvarious well-known sites such as:

1. Spotify
2. Youtube
3. Dropbox
4. Pinterest
5. NASA

MVT Structure of Django

To know the MVT Structure of Django firstly we need to know what is MVT structure. Thefull form of MVT is Model View Template. MVT Structure has three parts 1. Model 2. View 3. Template.

Creating App in Django
Method 1:
To create an app we need to move inside theproject directory through the terminal and type and execute this command:
python manage.py startapp <APPNAME>

Method 2:
To create an app we will move inside the project directory through terminal and type and execute the following command:

I. INTRODUCTION

We've all made sandwiches using bread at some point of time in life. Frameworks in web development are like the bread, they are the base on which sandwiches, here web applications, web services and software are built. Just like you have umpteen options in making a sandwich regarding choice of bread, fillings used, flavour and so on. We get number of options when it comes to web application development frameworks – including the correct framework, specific language, correct libraries and so on.Web framework is largely a tool that facilitates construct a website hence keeping off the bugs and keeping time. Django is a web application framework which is open supply and