FLASK

Flask is a web application framework written in Python.

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It as large community for learners and collaborates and it is open source well.

What is a web framework?

It basically represents collections of a

Libraries

Modules

Web Developer: to write applications without having to bother about any low level details. Such as A) proto call B) thread management and all this etc...

Flask is easy to use

Enthusiasts named Pocoo

Werkzeug WSGI toolkit and Jinga2 Template Engine

1. Python
2. Virtualenv : it is use to help to build multiple python environments

After installation:

|  |
| --- |
| Mkdir newproj |
| Cd newproj |
| Virtualenv lenv |

To activate :

venv\scripts\activate

pip install Flask

pip install virtualenv

route() function

app.route(rule, options)

rule: URL binding with the function

options: list of parameters to be forwarded to the underlying rule object

app.run(host,port,options)

applications:

1. Debug mode

Flask application is started by calling run() method

Enable :

App.debug = True

App.run()

App.run(debug = True)

1. Routing

User remember the application URL

To access a desired page without having directly navigate from the home page

To bind URL to a function

App.add.\_url\_rule()

1. Variable Rules

It is possible to build a URL dynamically

By adding variable parts to the ruler parameter

<Variable>

Int, float, path

1. URL building

url\_for() is used for dynamically building a URL for a specific function

1. HTTP methods

It are the function for data communication in WWW

1. Get: sends data in unencrypted form to sever
2. Head: same as get, but without response body
3. Post: used to send HTML form data to server
4. Put: replaces all current representations of target resources with uploaded content
5. Delete: removes all current representations of target resources given by URL
6. Templates

Can we return the output of a function bound to a UR: in form of HTML

Flask will try to find the HTML file in the templates folder, in the same folder in which this script is present.