Flask

Web Application framework developed in python.

It is developed my Armin Ronacher.

It is based on WSGI (Web Server Gateway interface) concept and it is also based on Jinja2 template engine.

Web server gateway interface is the standard protocol used to communicate between the web server and web application

Jinja2 template engine is a web templating system, it combines a web template with a data source. This helps render dynamic pages.

Layout of a Basic Flask app:

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def welcome():

    return "Welcome to my Flask app!"

@app.route('/members')

def members():

    return "Members, welcome to my flask app"

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug = True)

Dynamic URL Handling:

In this method we redirect to different URLs based on certain specified use cases:

from flask import Flask, redirect, url\_for

app = Flask(\_\_name\_\_)

@app.route('/')

def welcome():

    return "Welcome to my Flask app!"

@app.route('/success/<int:score>')

def success(score):

    return "You have passed with a score of: " + str(score)

@app.route('/fail/<int:score>')

def fail(score):

    return "You have failed with a score of: " + str(score)

@app.route('/results/<int:marks>')

def results(marks):

    result = ""

    if marks >= 50:

        result =  'success'

    else:

        result =  'fail'

    return redirect(url\_for(result , score =marks ))

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug = True)