

[Flask Server]

General Information & Licensing

Code Repository	https://github.com/pallets/flask
License Type	BSD 3-Clause
License Description	<ul style="list-style-type: none">• Redistribution of source code and in binary form is allowed if the copyright notice is there• Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
License Restrictions	<ul style="list-style-type: none">• Endorsements and promotions for products made with flask is not allowed unless prior permission is given
Who worked with this?	Ibrahim

- When we run the server file which in our case is flask_server.py, the python interpreter assigns "__main__" to the "__name__" variable.
- Python sets the __name__ variable to the module name which in our case is flask_server.py

Flask(Class)

Purpose

What does this tech do for you in your project?	<ul style="list-style-type: none">• Creates an instance of a Flask object, which implements a WSGI application• Python assigns the module name to __name__ which we then pass into Flask as the first parameter.• __name__ represents the name of the application package and is used by Flask to identify resources like templates, static assets and the instance folder
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Documentation	<ul style="list-style-type: none">• https://flask.palletsprojects.com/en/1.1.x/api/
How does this technology do what it does for you in the Purpose section of this report?	<ul style="list-style-type: none">• The first parameter that's passed gives the hostname to listen on• The second parameter gives the port of the web server• The third parameter will enable or disable debug mode, in the local development server it will automatically be enabled• Then these 3 will be passed into another method call to run_simple• run_simple then proceeds to call make_server which creates a new server instance• And finally serve_forever() is called which gets it to handle requests until shutdown
Where is the specific code that does what you use the tech for?	<ul style="list-style-type: none">• Flask.run - app.py 805• Serving.py- run_simple()- app.py 920• serving.py- make_server()- serving.py 1049• run_simple- serve_forever()- serving.py 1075