7th March 2020

Python and Flask Bootcamp: Create a website using Flask. Udemy Jose Portilla

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| [Flask logo.svg](https://en.wikipedia.org/wiki/File:Flask_logo.svg) | |
| [**Developer(s)**](https://en.wikipedia.org/wiki/Software_developer) | [Armin Ronacher](https://en.wikipedia.org/wiki/Armin_Ronacher) |
| **Initial release** | April 1, 2010; 9 years ago |
| [**Stable release**](https://en.wikipedia.org/wiki/Software_release_life_cycle) | 1.1.1 / July 8, 2019; 7 months ago[[1]](https://en.wikipedia.org/wiki/Flask_(web_framework)#cite_note-1)[[2]](https://en.wikipedia.org/wiki/Flask_(web_framework)#cite_note-2) |
| [**Repository**](https://en.wikipedia.org/wiki/Repository_(version_control)) | [github.com/pallets/flask](https://github.com/pallets/flask) |
| **Written in** | [Python](https://en.wikipedia.org/wiki/Python_(programming_language)) |
| [**Type**](https://en.wikipedia.org/wiki/Software_categories#Categorization_approaches) | [Web framework](https://en.wikipedia.org/wiki/Web_framework) |
| [**License**](https://en.wikipedia.org/wiki/Software_license) | [BSD](https://en.wikipedia.org/wiki/BSD_licenses) |
| **Website** | [palletsprojects.com/p/flask/](https://palletsprojects.com/p/flask/) |

Front end design: html, css, bootstrap 4

Templates for displaying webpages in Flask, Forms for user input, databases for storing user input.

Get user input, store it, report it back.

Blueprints for larger applications.

OAuth (outside authorization) like login thru google, facebook, twitter

‘conda’ is the package manager for anaconda. Atom.io

Create virtual environment: conda create –n <enviornName> python=3.7

Activate the virtual enviro: conda activate <enviro name> // deactivate

Download the libraries from file(to the virtual environment): pip install –r requirements.txt

Bootstrap will provide automatic styling and components through CSS and JS

Flask is the web framework that allows to connect python code to web

Flask can do everything that Django can with the use of tonnes of 3rd party libs

Workflow: user > front-end>flask>database.CRUD create, read, update, delete

Forms use WTfoms library. Jinja2 grabs information from python and flask and sends as html

Environment name: myflaskenviro

Html: strong for bold and ‘em’ for emphasis

https://developer.mozilla.org/en-US/ for html tag learning.

Self closing tags in html. <img src=”” alt=””> // label ‘for=’ tag is for ‘id’ of a ‘form input’. // placeholder // dropdown - <select name=”fruits”> <option value=> banana </option> option .. </select> // <textarea rows= cols = >

Stylesheet: define property-value pair for elements. In Html: link to stylesheet using: <link rel=”stylesheet” href=”/file.css”>

CSS file:

h1 {

color: blue;

}

p {

color: red

}

label {

color: rgba(255, 0, 0, 0.5);

}

title {

color: #eab06c

}

HTML file:

<!DOCTYPE html>

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<link rel="stylesheet" href="style.css" >

<title></title>

</head>

<body>

Hi this is my fist comment!

<h1> Hello, my comment </h1>

<form>

<label for = 'email\_id'> EMAIL </label>

<input type="text" width="20" >

<input type='email' id='email\_id'>

</form>

</body>

</html>