Flask Dokumentation

We like to use Flask, to build up the Web Service.

App.py file:

Is used for the most response file, to build the structure. And defines which html file should be returned, for a specific client request.

To start the sever, the flask app needs to be set in the terminal via "set FLASK_APP=app" or "export FLASK_APP=app". To start the server, run "flask run" in the terminal. The standard port that is used to reach the server is 5000, but it can be changed over -p {portnumber}.

The access to the webpage is possible through 127.0.0.1: {portnumber}.

Templates:

This folder contains all HTML files. HTML files are instrumental in determining the visual design of a website. HTML establishes the structure of the content.

Basic HTML files that serve as templates can be used. Other files can inherit these templates files. This practice simplifies the design process for multiple similar HTML files. By establishing a common structure and layout in the base HTML file, changes made to it will automatically apply to all files that inherit from it. This modular approach enhances consistency and streamlines the design of a collection of web pages.

Which an html file is returned for which request, is defined in the appl.py file.

Static Folder and Image - Folder:

Static Folder contains two subfolders. One folder for CSS-files and one for JS- files. Here all structure information, that is used as help to build up a webpage like tone or so is used.

CSS files define the presentation and styling of a website. They determine how HTML elements should be displayed, specifying attributes such as colours, fonts, spacing, and layout. By separating design concerns from HTML content, CSS enables consistent and efficient styling across multiple web pages.

JS files contain JavaScript code that adds interactivity and dynamic behaviour to web pages. The files enhance the functionality of a website by enabling features such as form validation, animations, and real-time updates without requiring a page reload.

The images folder in a Flask project is used to store image files, that are utilized in the web application. These images could include icons, graphics, or any visual elements required for the website's design or functionality. The required image needs to be referenced in the HTML templates.

Source tutorial page

https://www.digitalocean.com/community/tutorials/how-to-make-a-web-application-using-flask-in-python-3#step-3-using-html-templates