Web App based on Flask

Task description

Your task is to develop a web application. Here, you use another existing web application as a technological basis, namely Another Unseen University.

You will continue to work on the SQL Scheme from part 1 and 2.

AI buddy: in addition to the human team members each team selects and uses an AI buddy during development. This can, e.g., be a ChatGPT account or any other AI tool you select. The activities of the AI buddy are documented. You do not have to share the same AI tool instance (e.g., each member can have its own account), as long as the activities are documented.

Grading

In total a group can reach a maximum of 50 points for project task 4.

35: product as executable Python code that demonstrates features in a web app (source code and config files). Any deliverables (code, docu and other artifacts) are sent as email content or link to the lecturer before the start of the last unit.

5: documentation of the developed product (EITHER a feature documentation (for the end user) OR a technical documentation of the product itself)

5: text about ‚AI buddy‘:

AI Buddy: contribution, what did it help?

describing: What you did and how you did it.

reasoning: What did it help? What did you learn?

5: presentation of result; it shall consist of two parts:

A presentation of your product (powerpoint, pdf, ...). This includes a technical overview (system architecture, how technologies are related to each other).

A feature demo (live).

Grading depends on two criteria: formal (all artifacts delivered) and informal criteria (e.g., quality of your solution).

Requirements for your product

You will create a web app based on your already existing SQL schema. The web app shall contain (at least) the following features

Implement the SQL Schema from part 1 and 2 and populate it with meaningful data.

Register, login, logout (minimum as already implemented)

SEARCHING for data in your database

CREATE, UPDATE, DELETE data in your database

Use the session management mechanism of Flask for (at least) one new feature related to, e.g., searching, creating, etc.

Adapt HTML, CSS and pics according to your needs

(OPTIONAL) usage of further JavaScript code