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Hello there, I am a second-year student in Manipal University Jaipur. I aspire to be a Data Scientist but I am still exploring different domains. I am originally from Delhi.

Description

I need to make a login and registration portal for a flash card app. Also, I need to make a flashcard app where one can store a question and an answer.

Technologies used

I used sqlite3 to connect python to SQL database, Flask to host the website, In flask – I used render_template, request, HTML to make the structure of the website, CSS for styling, Javascript to make the website dynamic, JSON and SQL to store website data.

DB Schema Design

SQL database has 2 columns – Name and Password
JSON is used to store flashcard data

Architecture and Features

The Zip file contains app.py file where main Flask code is written to host the website. Database_code.py is the file used to create an SQL database (user_data.db) using python where the information for user's name and password is stored. Template folder contains all html files for websites (Login page, Registration page and main flashcard page). Static folder contain css and js files for the html files in templates folder. Static has two sub-folders called css and js.

To add and get login details, I have used "GET" and "POST" method in the login page and the registration page. The data entered in the input area is posted in the sql data base. In the main Flashcard app, add card button makes the create card box display from none to block (Implemented using js) whereas close button makes the create card box display from block to none. Delete card button deletes all the flashcards simultaneously. After hitting save, in the div with flashcard class, flashcard is created with default dimensions already given in css file to flashcard class. The information added in the question and answer field is saved in JSON format.

Video

https://drive.google.com/file/d/1zynq3abGhZoiZdyvoEv18lWZdVpAVR_D/view?usp=sharing