Author

Name - Mangu Singh
Roll No. - 21f1002015
Email I'd - 21f1002015@student.onlinedegree.iitm.ac.in
Introduction - I am from Rajasthan and my father is a driver. Currently I'm pursuing my B.Tech. degree in Electrical and Electronics engineering from National Institute of Technology Calicut along with this program. My hobbies are playing cricket and coding.

Description

As I see the problem and after taking help from ankiweb website. I understand that there should be some decks which can be edited, deleted and adding a card in a deck is also possible. And whenever we open a deck it asks about what is behind the cards and based on our answer we can mark them as easy, medium or difficult.

Technologies used

Flask - as a framework.
SQLAlchemy, **flask_sqlalchmey** - for communicating with databases and getting desired results.
Sqlite database - for storing the data

DB Schema Design

Cards : this is for storing cards which belong to different decks.

```
sno INTEGER PRIMARY KEY AUTOINCREMENT,
deckname TEXT NOT NULL,
front TEXT,
back TEXT
```

Users: this is for storing the data of users.

```
id INTEGER PRIMARY KEY AUTOINCREMENT,
name TEXT,
username TEXT NOT NULL UNIQUE,
password TEXT
```

Decks: This is for storing which deck belongs to which user.

```
deckid INTEGER PRIMARY KEY AUTOINCREMENT,
username TEXT NOT NULL,
deckname TEXT NOT NULL
```

API Design

Architecture and Features

Before adding or seeing any deck it is required to login and before login it is important to have a user account and if the user account does not exist the page will redirect to the register page. All the templates are inside the templates directory and all the controllers are inside the controllers.py file in the application directory itself. The database file is project.db which is created by running the program in the create-db-table.py file.

Video

https://drive.google.com/file/d/1QdSmNdx_hoHeIObrln6g1pTjbPRpIme8/view?usp=sharing