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I'm currently pursuing my B.tech along with iitm B.sc in Information technology. Currently in 2nd year I'm interested in various technologies

Description

In this project user can sign up, make decks, and add cards to decks and then review cards. On the basis of difficulty and that score will be updated in deck along with time of last review. Features of creating decks and editing deck, adding card, deleting deck should also be present.

Technologies used

Vue is used for front end, vue router is used for links, axios for making request in vue. Flask is used for backend server, is currently hosted on repl.it/flask. Flask_sqlalchemy is used to access database, jwt is used to encode/decode token, flask_cors is used to provide access to api via vue. (*Note: many other things are imported in code but are not being used currently, might get used in future)

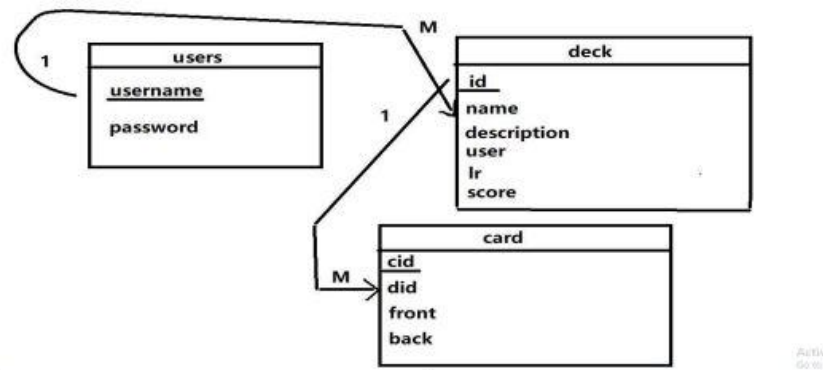
DB Schema Design

Tables:

users: name(PRIMARY KEY, TEXT, NOT NULL), password(TEXT, NOT NULL)

deck: id(PRIMARY KEY, INT, NOT NULL, AUTO INCR), user(TEXT, NOT NULL), score(INT, NULLABLE), description(TEXT, NULLABLE), lr(TEXT, NULLABLE)

card: did(INT, NOT NULL), cid(INT, NOT NULL, PRIMARY KEY, AUTO INCR), front(TEXT, NOT NULL), back(TEXT, NOT NULL)



API Design

I have created login api which returns a token to further authorize user,signup is used for new account creation,dashboard api to add decks,decks api to delete decks and add cards,review for fetching card for review and posting score all necessary apis use token for authorization which is stored in local storage

Architecture and Features

Model and controllers both are in main.py and database in db static and templates are present but not used

All the previous feature which were in previous flash card app are implemented but this time they are on vue using vue router and apis there is no need for page to reload and transition is smooth.

Video

<https://drive.google.com/file/d/14w5PIb8GMRDMXaMsN-nw4WBMg3OApFSv/view?usp=sharing>