

MAD – 2

Final Project

Author:

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About Me: I am a budding data scientist, I have learnt a lot under IITM's BSc degree program on how to go from start to finish while building a market ready product.

Description

This project requires us to build a flashcard application for users to revise subjects and revise concepts using flashcards. It is a completely SaaS platform project which aims to provide better user experience versus existing competitors.

Technologies Used

- Flask
- HTML
- CSS
- Vue: To increase responsiveness of the website
- Sqlite3
- Insomnia
- APScheduler: For daily reminders and alerts

DB Schema Design

deck_info: Table for storing info regarding decks

Col1: Deck_id

Col2: Deck_name

Col3: Deck_location

User: User Table

Col1:User_id

Col3:Password

Col4:authenticated

Col5:last_login

Dashboard_Info: Table for storing user dashboard information

Col1:id

Col2:User_id

Col3:Deck_id

Col4:Score

Col5: LastReviewTime

API Design

A user can create, remove, update and delete decks and cards within a deck using the API. Documentation for the API has been provided.

Working and Features of the application

- **Dashboard:** This is the central page where the user can see all his decks and
- **Review:** This is the module which enables users to take the self-evaluated tests
- **Background Alerts:** Periodic alerts and reminders for users to keep a track of their performance and maintain a routine.
- **Export/Import:** This enables a user to export and import decks from and to the platform
- **CRUD:** Allows users to manage his/her decks.
- **Security:** Flask security is ensured to protect user data and the password is stored as a hashcode.

Video Link:

<https://drive.google.com/file/d/1t1LNSHPU4osHTRUYJ7QQH4pXuRPiBcDZ/view?usp=sharing>