

## Author

Anshuman Singh

21f1001263

[21f1001263@student.onlinedegree.iitm.ac.in](mailto:21f1001263@student.onlinedegree.iitm.ac.in)

Currently an undergraduate student, passionate about Robotics and Computer Science. Wish to start a startup one day focusing on tools that can be used with the help of Robots.

## DESCRIPTION

The flash-card application is near to finishing at this moment. I have made great changes since my last submission of this project from MAD-1 where the project was limited in this functionality. Currently the project includes most of the CORE requirements. I am currently trying to fix a bug in the api section of my project.

To add, an elaborated API could have been made. Also, the webhooks functionality is to be tested at this stage.

## TECHNOLOGIES USED

Flask, SQLAlchemy, API, Database- SQLAlchemy, Celery and Redis, HTML/CSS/JS

## DB SCHEMA DESIGN

The database contains the typical tables - Users, Cards and Decks which contains the information of the Users signed up on the Flask Application, The cards which are created by the user containing the question and the answer fields. The Deck card is the decks of the cards created which references the respective cards using Foreign Key.

## API DESIGN

The API is separated for various actions: Adding/Deleting/Updating a Card. Adding/Deleting a Deck. To add, there is another API specific to the actions which are related to Quiz resulting about the various actions depicting results of the Quiz.

## ARCHITECTURE AND FEATURES

The User can signup for the Flashcard Quiz and then login to the application. On the dashboard, the user can see the performance in previous quizzed and using the navigation bar, the user can go to creating cards inside deck option and can also then use the Quiz functionality afterwards to take a Quiz on the cards created. The files are separated in various modules in folders clearly depicting, the functionality of modules residing inside them.

## VIDEO

<https://drive.google.com/file/d/1NZ3wYiRA20IS--CKRYh7IxAiyWMm13JT/view?usp=sharing>