MAD-1 PROJECT REPORT

Student Details:

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Program: BS Degree in Data Science and Applications

Level: Diploma

Project Statement:

Link: https://docs.google.com/document/d/e/2PACX-1vRllAS2DdX7vEvlXfCCadSYMZeYalLUEEaE5xiPSPNSfZfg-yRmtyPeX6eQBliwJyxK1lcQIFc7yoYf/pub

Project Details:

My project is about Quiz Master where the users can write the quizzes available to test their knowledge and admin where he can operate like CRUD operations regarding quiz.

Start:

I started out by reading the project statement multiple times and understanding what all need to be implemented. I first carefully learned the basics of Flask and SQLite Database and I never had a problem with Frontend HTML and took Chatgpt assistance for designing using BootStrap. I was always focused on implementing only the core functionalities as for me I have never worked on a project before so it was big task for me to handle.

Core Functionalities:

I implemented all the Core Functionalities everything with just simple Flask. I didn't use any JavaScript (JS) as I haven't had any learning with

JS so my focus was to always create tables in my project as they don't require any JS and moreover, they get updated even with small level of code.

Failed Attempts:

Timer:

Timer is implemented when an user is writing an quiz the timer indicates in how much time the quiz has to be attempted .it has to be done using js. As I am not aware JS,I am no able to implement the timer.

Blocking and Searching of Users:

Admin can block the user if he is suspected as suspicious .The Admin can search user by his id or name.I am not able to implement these functions.

Database:

I faced several problems with Database as I always got various new ideas to implement so I always need to delete the existing database and again create a new.

Conclusion:

Finally, I concluded the project by adding all the conditional statements not terminate all the errors caused during the web. Also protected the API from being accessed without proper login by warning them.
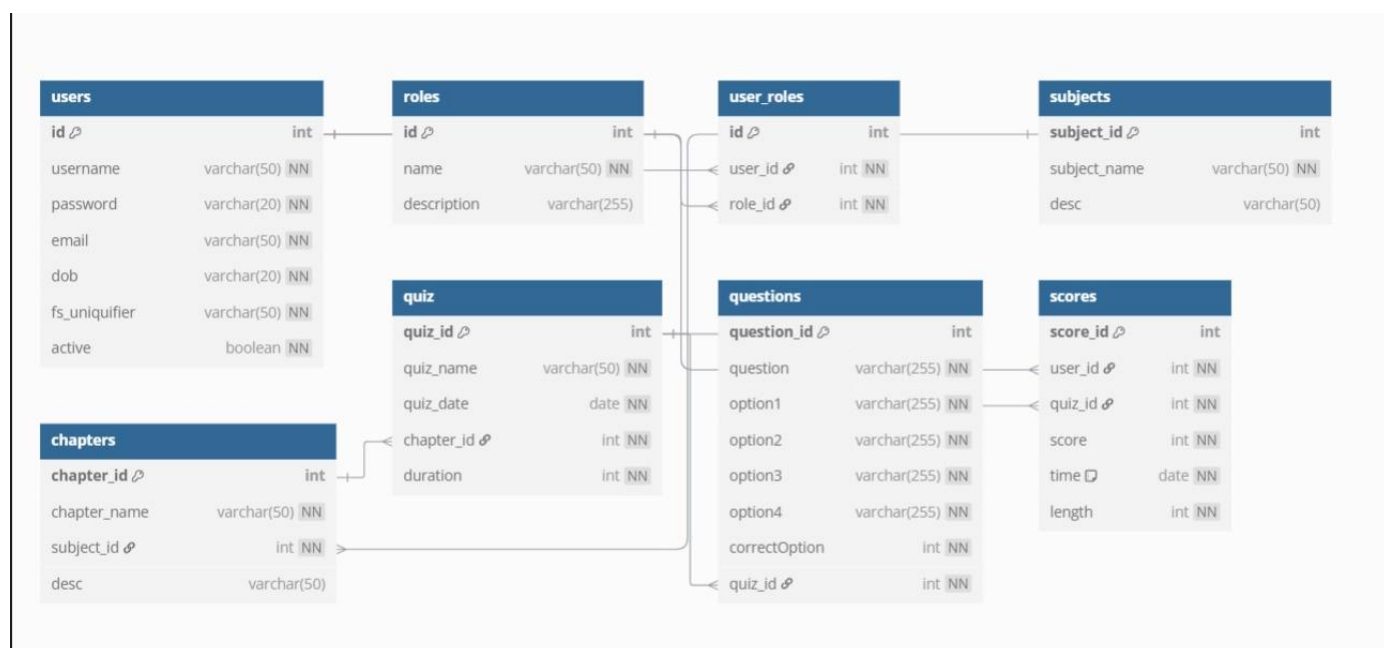
Frameworks and Libraries:

Frontend:

HTML, BootStrap

Backend:

Flask, SQLAlchemy

Others:

Jinja2, SQLite (Database)

ER Diagram:

Sources:

For HTML I used Geeks for geeks and For Styling I used BootStrap by Chatgpt Assistance

Used dbdiagram.io for creating ER Diagram

Presentation Video:

Link:

https://drive.google.com/file/d/13kGxKQWBrDSB1Vskf9OFFF5Z6Zg1_pX7/view?usp=sharing