

# Project brief

Status **Completed** ▾

Timing Jan 31, 2025 to Mar 30, 2025

Owners 24F1001827 ASHMIT2506

## Overview

A quiz app for students to undertake quizzes, analyse their scores, and learn more about their preparation!

## Author

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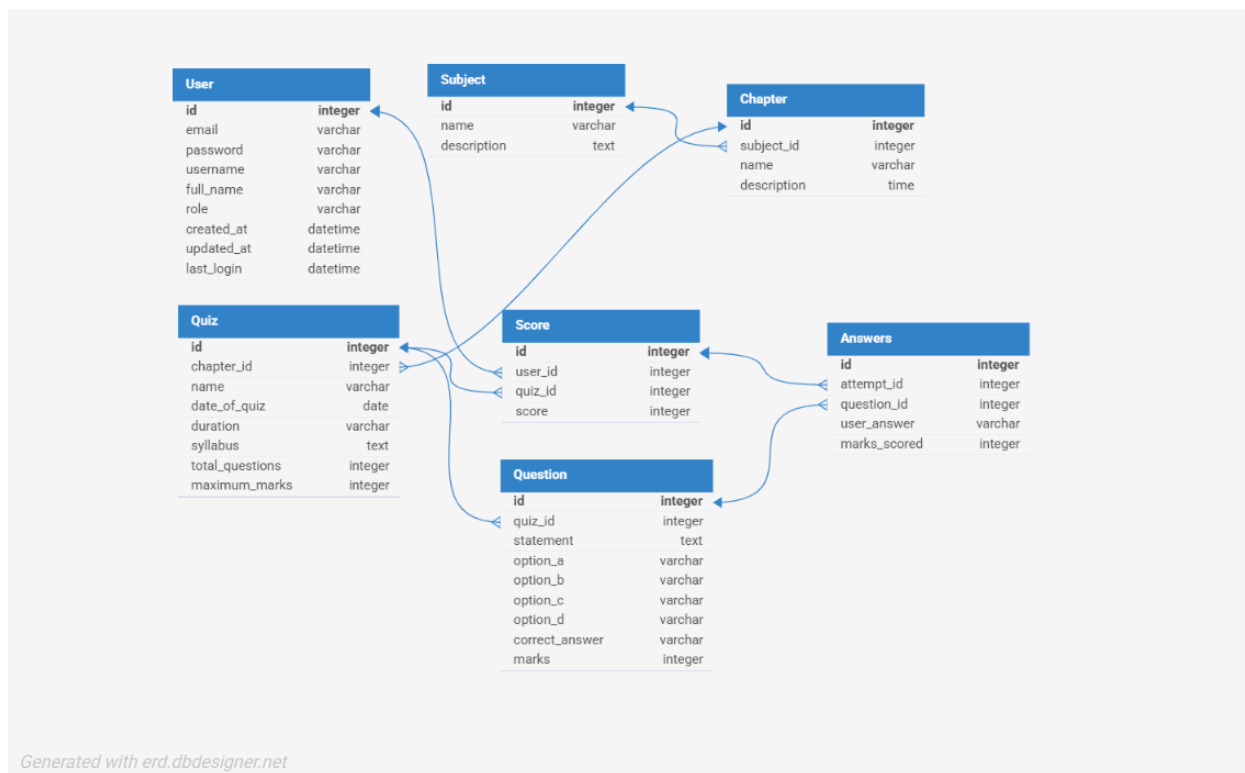
## About Me

I am currently pursuing BS in Data Science and Applications from IIT Madras. I am in the Diploma level currently, and my CGPA as of this term is 9.42.

# Technologies Used

- Flask - the framework for the web application
- Flask-Login - flask's login framework
- Flask-SQLAlchemy - flask's extension for supporting SQLAlchemy ( Python's SQL toolkit)
- Bootstrap framework - for the frontend
- ChartJS - for the summary reports and displaying charts

## DB Schema Design



### Relationships:


- User and Score: One-to-Many (User has many Scores)
- Quiz and Score: One-to-Many (Quiz has many Scores)
- Score and Answers: One-to-Many (Score has many Answers)
- Question and Answers: One-to-Many (Question has many Answers)
- Subject and Chapter: One-to-Many (Subject has many Chapters)
- Chapter and Quiz: One-to-Many (Chapter has many Quizzes)
- Quiz and Question: One-to-Many (Quiz has many Questions)

# Project Structure

quiz-master/ (Root folder)

- |— controller/ (contains all the routes and the models file)
- |— static/ (contains an image of the app logo and a styles.css file)
- |— templates/ (contains all HTML templates of our application)
- |— main.py (the main file to be run )
- |— requirements.txt

## Video

 MAD1\_project\_demo.mp4