

# Project Report Quiz Master app

## MAD-1 project

### Author

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I am passionate about data sci and keen to learn AI/ML also have some good projects related to machine learning and deep learning.

### Description

It is a Web Base Quiz Master app where there is a single admin which can manage multiple users, can create subjects , new chapters and quizzes for the users and the users can attempt those quizzes and their results will be showcased to that user as well as to the admin It also tracks the timing when the quiz is attempted and the previous other results of the quizzes attempted by the user.

### Technologies used

Tech Stack used are:

Flask : - for the web application

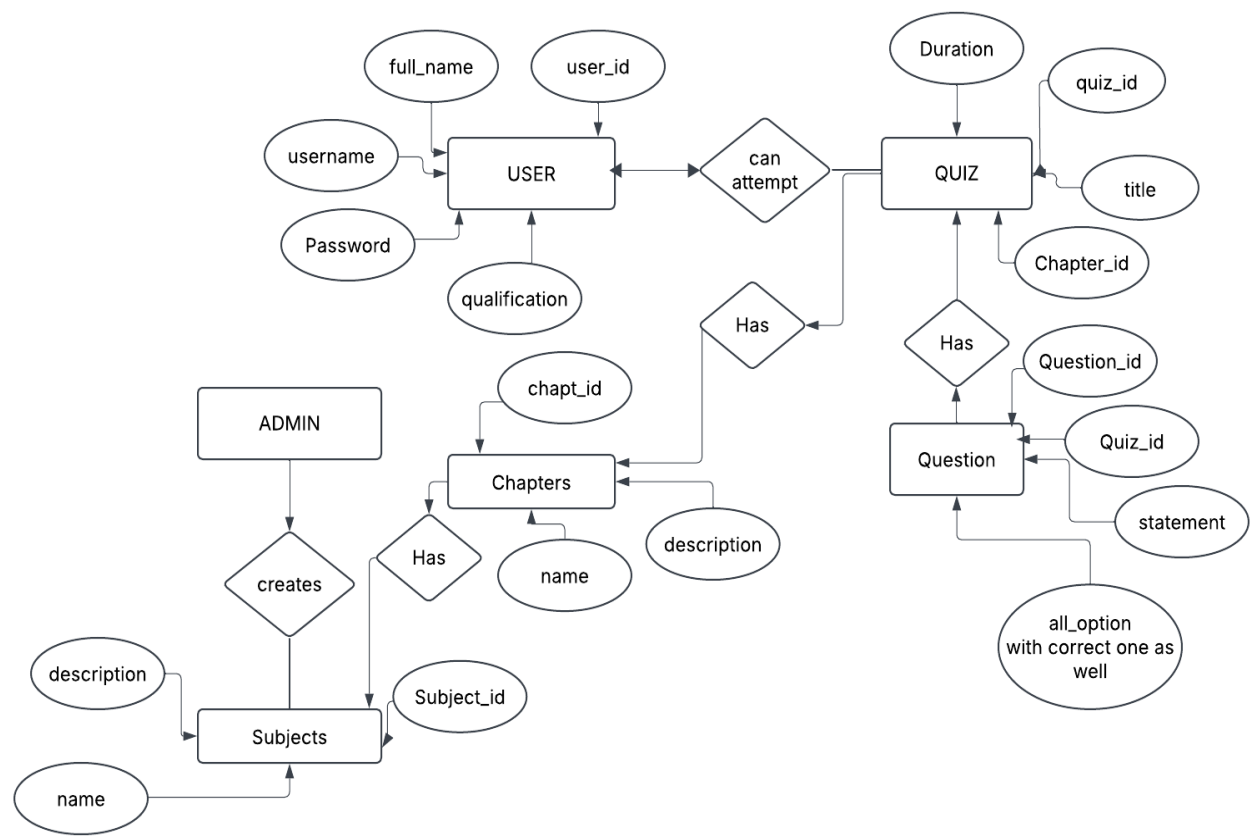
SQLITE:- for Database

Jinja2:- for generating HTML pages combining with Python

HTML/CSS/BOOTSTRAP: - for website designing and building

Flask\_login:- for login management

## DB Schema Design



## API Design

Apis for CRUD operations on subjects chapters quizzes and questions have been implemented

## Architecture and Features

Models are defined using flask\_sqlalchemy controllers have admin auth and user files which have flask routes, templates have all the html pages for frontend for admin, authorization and user roles

multiple user can login and attempt the quizzes whichever they want , created by the admin

Admins can create, edit delete new subjects , chapters quizzes and questions

Admin can view the previous quiz result of all the users

User will also have the option to view their detailed result of the quiz

## Video

[Video Link drive for Quiz master app](#)