Quiz Master- V1

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Description

Quiz Master is a multi-user quiz management system developed using Flask, SQLite, and Jinja2. It provides user authentication, quiz creation, question management, and result tracking.

Technologies Used

- **Programming Language:**Python

Framework: Flask

- **User Authentication:**Flask-Login, Flask-Bcrypt

Database Migrations: Flask-Migrate

Database Migrations: Flask-Migrate Installation & Setup

1. Create a Virtual Environment

```
python -m venv venv

source venv/bin/activate

'venv\Scripts\activate'    # On Windows use
```

2. Install Dependencies

```
pip install -r requirements.txt
```

3. Set Up the Database

```
flask db init

flask db migrate -m "Initial migration."

flask db upgrade
```

4. Run the Application

```
flask run or python app.py
```

5. Access

Open `http://127.0.0.1:5000` in your browser.

Database Schema

- **User** - Stores user information including authentication details

- **QuizLevel** - Defines different quiz difficulty levels

- **Subject** - Stores subjects related to quizzes

- **Chapter** - Subcategories within subjects

- **Question** - Stores quiz questions with multiple-choice answers

- **Score**- Tracks user quiz performance

- **Quiz** - Manages quiz events and scheduling

Features

- User authentication (Admin & Non-Admin)

- Quiz creation and management

- Question bank with options & correct answers

- Score tracking and history

Notes

- Default admin credentials should be set in the database manually.

- The `config.py` file must be correctly configured before running the project.

- All dependencies should be installed in a virtual environment to avoid conflicts.

admin login

admin email: admin@example.com

admin password: admin1

Video Demonstration

https://drive.google.com/file/d/1EXW7cmMo9vy5rbsUmOQeLM4Hr1TQK0Jl/view?usp=sharing