Online Quiz Platform

Project Description:

You are tasked with building an online quiz platform where users can take quizzes on various topics. The quizzes are multiple-choice questions with a single correct answer. Users can sign up, create quizzes, take quizzes, and view their results.

The project must be built using Django Rest Framework with JWT authentication. The following features must be implemented:

1. User Authentication: Users should be able to sign up, log in, and log out. The authentication system should use JWT tokens.
2. Quiz Creation: Users should be able to create quizzes. Each quiz should have a title and a set of questions with multiple choices.
3. Quiz Taking: Users should be able to take quizzes. Each quiz should have a set of questions with multiple choices, and the user should be able to select their answer. After the user has completed the quiz, the system should display their score.
4. Quiz Results: Users should be able to view their quiz results. The system should display the user's score for each quiz they have taken.
5. Quiz Listing: The system should display a list of available quizzes that users can take.
6. Quiz Filtering: Users should be able to filter quizzes by topic, difficulty level, and date created.
7. Quiz Analytics: The system should display analytics on each quiz, such as the average score, the number of times the quiz has been taken, and the percentage of users who have passed the quiz.
8. User Profile: Users should be able to view their profile, which should display their username, email, and a list of quizzes they have created.
9. User Management: Admin users should be able to manage users, including creating, editing, and deleting user accounts.

Technical Requirements:
- The backend should be built using Django Rest Framework with JWT authentication.

Deliverables:
- Source code for the project hosted on GitHub.