Quiz application documentation

Final specialized platform development project

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☐Introduction

- ☐ This Quiz Application is a comprehensive web-based platform designed to facilitate interactive learning and assessment through quizzes. This application enables users to take various quizzes and receive immediate feedback on their performance, thus enhancing the learning experience. This project is developed with a focus on usability, scalability, and security, using vue js and firebase.

☐Project Overview

- ☐ The primary objective of the Quiz Application is to provide a seamless and engaging user experience for both quiz participants and administrators. Key features of the platform include user authentication, quiz creation and management, real-time feedback, and robust data storage. By utilizing Firebase for authentication and Firestore for data storage, our application ensures secure handling of user information and quiz data.

☐Key features

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☐ **Main pages:**

☐ Authentication:

- Select login type (User or Admin), adding the possibility to log in as either an admin or a user.

A – User Dashboard :

☐ HomeView provides:

- Header with links to Home, Profile, Quizzes, and Global Leaderboard pages with icons.

- A list of popular quizzes with their title, category, difficulty, and options to start the quiz or view its leaderboard.

☐ Leaderboard:

- Global : Displays a global leaderboard of top users across all quizzes.

- Specific: Displays a list of top scores for a specific quiz.

☐ History:

- Providing users with a detailed history of their past quiz scores.

☐ List of all quizzes:

- A filter search by category and difficulty.

B – Admin Dashboard :

☐ Manage quizzes:

- Adding new questions or removing existing questions.

- Creating new quizzes or deleting existing quizzes.

☐ Manage Users:

- Viewing users informations and scores.

- Blocking users

ATTENTION:

There are 6 already registered admins in our database

- To enter as <u>admin</u> use this email:

    Email: admin1@example.com

    Password: password123

- To enter as user use sign-up .

☐ Conclusion

The Quiz Application is designed to revolutionize the learning and assessment process by offering an intuitive, user-friendly platform for quiz-based education. With a comprehensive set of tools, it caters to the needs of both educators and learners, enhancing the educational experience through features such as real-time feedback, progress tracking, and customizable assessments. The application leverages modern technologies like Firebase to ensure robust security, scalability, and seamless user interaction.

Its clean interface, detailed quiz management, and accessibility option, make it an invaluable tool for enhancing educational outcomes. By promoting collaborative learning and providing immediate performance feedback, the Quiz Application makes learning more interactive, personalized, and efficient.