

Quiz Web Application

This test focuses on building a simple quiz application with user authentication using the MERN stack (MongoDB/MySQL, Express.js, React.js, and Node.js). It incorporates full CRUD operations with some intriguing functionalities.

Admin: -

- Create a login authentication. If entered credentials are invalid it should show error message otherwise it should redirect to dashboard.
- Admin should be able to Add, Edit, and Delete Quiz and its questions. Quiz should contain title, description (optional), Timer.
- Admin should be able to view all quizzes added to application.
- All questions should be Multiple Choice Questions (MCQs) for easy implementation.
- View scores of all users that attempted Quiz or any particular quiz.
- View all necessary data on dashboard.

User: -

- View all available on web application which admin has added.
- Able to answer all question which user has not attempted. If user has attempted quiz previously it should display appropriate message for the same.
- After completing quiz of particular subject user should be able to view its score.
- View all previously attempted quizzes and scores of particular quizzes.
- View all necessary data on dashboard.

Additional Notes: -

- **Token-Based Authentication:** Implement JWT (JSON Web Token) authentication to secure access to protected resources (quizzes). Middleware function is must.
- Make all page responsive.