Case Study: Quiz Web Application

Project Summary

This quiz web application is designed to provide users with an interactive platform to test their knowledge through multiple-choice questions. The application runs entirely in the browser and does not require any backend or database connection. It's lightweight, responsive, and easy to use.

Technologies Used

- HTML: Provides the structure of the application

- CSS: Styles the application to make it visually appealing

- JavaScript: Handles quiz logic, scoring, and interactivity

Key Features

- Real-time answer validation

- Score tracking and feedback

- Modular code with potential for expansion (e.g., more questions, categories)

Use Case

This application can be used for educational purposes, training assessments, or as a component in larger web projects involving quizzes or user engagement tools.

Future Improvements

- Add timer functionality

- Support for more questions and categories

- Integrate with a backend for dynamic question loading

- Store user scores for history and analysis