Digital Portfolio

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PROJECT TITLE

2. "Web-Based Quiz App for Knowledge Assessment"

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AGENDA

1.Problem Statement
2.Project Overview
3.End Users
4.Tools and Technologies
5.Portfolio design and Layout
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PROBLEM STATEMENT

Lack of engaging and interactive learning tools.

Traditional quizzes are static and not easily customizable.

Need for a simple web-based platform to test knowledge anytime.

Difficulty in quick evaluation of answers manually.

PROJECT OVERVIEW

A web-based Quiz Application built using HTML, CSS, and JavaScript.

Provides multiple-choice questions with instant feedback.

Designed to be lightweight, user-friendly, and responsive.
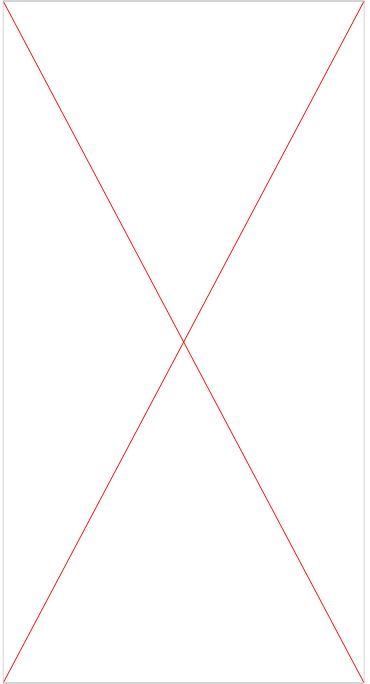
Helps in self-assessment and practice in various subjects.

WHO ARE THE END USERS?

Students – for practicing and testing knowledge.

Teachers/Instructors – to create and share quizzes.

General Users – for fun quizzes and brain training.

TOOLS AND TECHNIQUES

HTML – for structure and layout of quiz pages.

CSS – for styling, colors, responsive design, and user-friendly UI.

JavaScript – for quiz logic, question navigation, timer, and score calculation.

Text Editor – VS Code / Sublime Text.

Browser – Chrome/Edge/Firefox for testing.

POTFOLIO DESIGN AND LAYOUT

Homepage – Start Quiz button, instructions.

Quiz Page – Displays one question at a time, multiple-choice options.

Result Page – Shows score, correct/incorrect answers.

Responsive Layout – works on mobile, tablet, and desktop.

Attractive UI – bright colors, hover effects, and readable fonts

FEATURES AND FUNCTIONALITY

Multiple-choice questions.

Real-time score tracking.

Timer for each quiz.

Highlights correct/incorrect answers instantly.

Option to restart or retake the quiz.

Responsive design for mobile and desktop users.

RESULTS AND SCREENSHOTS

Successfully built a working quiz app.

Screens:

Homepage with "Start Quiz" button.

Question Page with options and next button.

Result Page showing final score

CONCLUSION

The project achieved its goal of creating an interactive quiz platform.

Useful for students and teachers as a learning tool.

Demonstrated the practical use of HTML, CSS, and JavaScript in building real-world applications.

Future enhancements: Add database for dynamic questions, user login system, and leaderboard.