

Project Overview

This interactive quiz application is built using **HTML**, **CSS**, and **JavaScript**. It is designed to test users with randomly selected questions and provide immediate feedback on their answers, including explanations and images to aid learning. The app is fully dynamic, user-friendly, and styled for an engaging user experience.

Features

Core Functionality

- Displays **one question at a time**.
- Each question includes:
 - Multiple choice options
 - A **15-second timer**
 - **Optional image** related to the question
- After selection, user proceeds to the next question.
- **Random 5 questions** are selected from a pool of 10 on each quiz attempt.

End of Quiz Options

- User sees their **score**.
 - Can click "**Review Answers**" to:
 - See what they answered
 - What was correct
 - Detailed **explanations**
 - Embedded **images** for reference
 - Can click "**Start New Quiz**" to reset and get a fresh set of 5 new questions.
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Technologies Used

- **HTML** – Page structure
- **CSS** – Styling and layout
- **JavaScript** – Logic for question navigation, timer, scoring, and interactivity

How It Works

1. Loading Questions

- On page load, 5 random questions are picked from a bank of 10.

2. Timer

- Each question has a 15-second countdown.
- If user doesn't answer, it auto-skips to the next question.

3. User Interaction

- User selects an option and clicks "Next".
- The app moves to the next question and stores the answer.

4. Final Score

- After all 5 questions, the score is shown.
- User can choose to review answers or start a new quiz.

5. Review Mode

- Shows each question, the user's answer, correct answer, image, and a brief explanation.
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Instructions for Use

1. **Open index.html** in any browser.
 2. Click options as questions appear.
 3. Stay alert – you only get **15 seconds per question**.
 4. After all 5 questions, review your score.
 5. Click "Review Answers" to understand mistakes.
 6. Click "Start New Quiz" to retry with different questions.
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Files Included

- index.html — Main HTML structure
- style.css — Styles for layout, buttons, timer, etc.

Quiz Application Documentation

- `script.js` — JavaScript logic (question loading, answer checking, timer, etc.)
 - `images/` — External image links used in questions (loaded via URL)
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Final Thoughts

This quiz app is designed not just to test, but to **teach**. With randomization, visuals, explanations, and an elegant UI, it keeps the user engaged and informed. Perfect as a learning tool or just some fun brain training.