# 04 Web APIs: Code Quiz

As you proceed in your career as a web developer, you will probably be asked to complete a coding assessment, which is typically a combination of multiple-choice questions and interactive challenges. Build a timed code quiz with multiple-choice questions. This app will run in the browser and feature dynamically updated HTML and CSS powered by your JavaScript code. It will also feature a clean and polished user interface and be responsive, ensuring that it adapts to multiple screen sizes.

## User Story

```

AS A coding bootcamp student

I WANT to take a timed quiz on JavaScript fundamentals that stores high scores

SO THAT I can gauge my progress compared to my peers

```

## Acceptance Criteria

```

GIVEN I am taking a code quiz

WHEN I click the start button

THEN a timer starts and I am presented with a question

WHEN I answer a question

THEN I am presented with another question

WHEN I answer a question incorrectly

THEN time is subtracted from the clock

WHEN all questions are answered or the timer reaches 0

THEN the game is over

WHEN the game is over

THEN I can save my initials and score

PSEUDO CODE

1. Create start button (Start quiz)

2. Create a timer which can be reset and which doubles as the score (JS) – start timer at 100 decrement 10 for each missed answer – (make these variables)

3. Write the score (timer) to local storage (JS)

4. Display the score (JS & HTML)

5. Display remaining time (JS & HTML)

6. Create an unordered list of questions which can be randomized (JS & HTML)

7. Display to user whether they are right or wrong (on screen) and include a sound file (Wah Wah Wah!) and (Awright Awright Awright) (JS & HTML)

7. Create a list of questions and corresponding answers (JS)

8. Create an entry form for entering initials (JS & HTML)

9. Store Initials and score at end of game with submit button

10. Build High Scores HTML with a “clear high scores” button and “go back” button

The following animation demonstrates the application functionality:

![code quiz](./Assets/04-web-apis-homework-demo.gif)

### Review

You are required to submit the following for review:

\* The URL of the functional, deployed application.

\* The URL of the GitHub repository. Give the repository a unique name and include a README describing the project.

- - -

© 2019 Trilogy Education Services, a 2U, Inc. brand. All Rights Reserved.