Module 4 Challenge

Start Assignment

Due Tuesday by 11:59pm   **Points** 100   **Submitting** a text entry box

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Web APIs Challenge: Code Quiz

As you proceed in your journey to becoming a full-stack web developer, it's likely that you'll be asked to complete a coding assessment, perhaps as part of an interview process. A typical coding assessment is a combination of multiple-choice questions and interactive coding challenges.

To help you become familiar with these tests and give you a chance to apply the skills from this module, this module's Challenge invites you to build a timed coding quiz with multiple-choice questions. This app will run in the browser, and will feature dynamically updated HTML and CSS powered by JavaScript code that you write. It will have a clean, polished, and responsive user interface. This module's coursework will teach you all the skills you need to succeed in this assignment.

> **NOTE**
>
> Coding assessments are an important part of the interview process for developers. In fact, employers often use them to filter out job candidates with a cut-off score. To help you prepare, we've developed a set of technical interview questions that you can answer throughout the course. The difficulty level of these questions will increase as you become a more proficient developer. If you take advantage of these opportunities to practice, you should be well-prepared to shine during the technical interview process toward the end of this course!
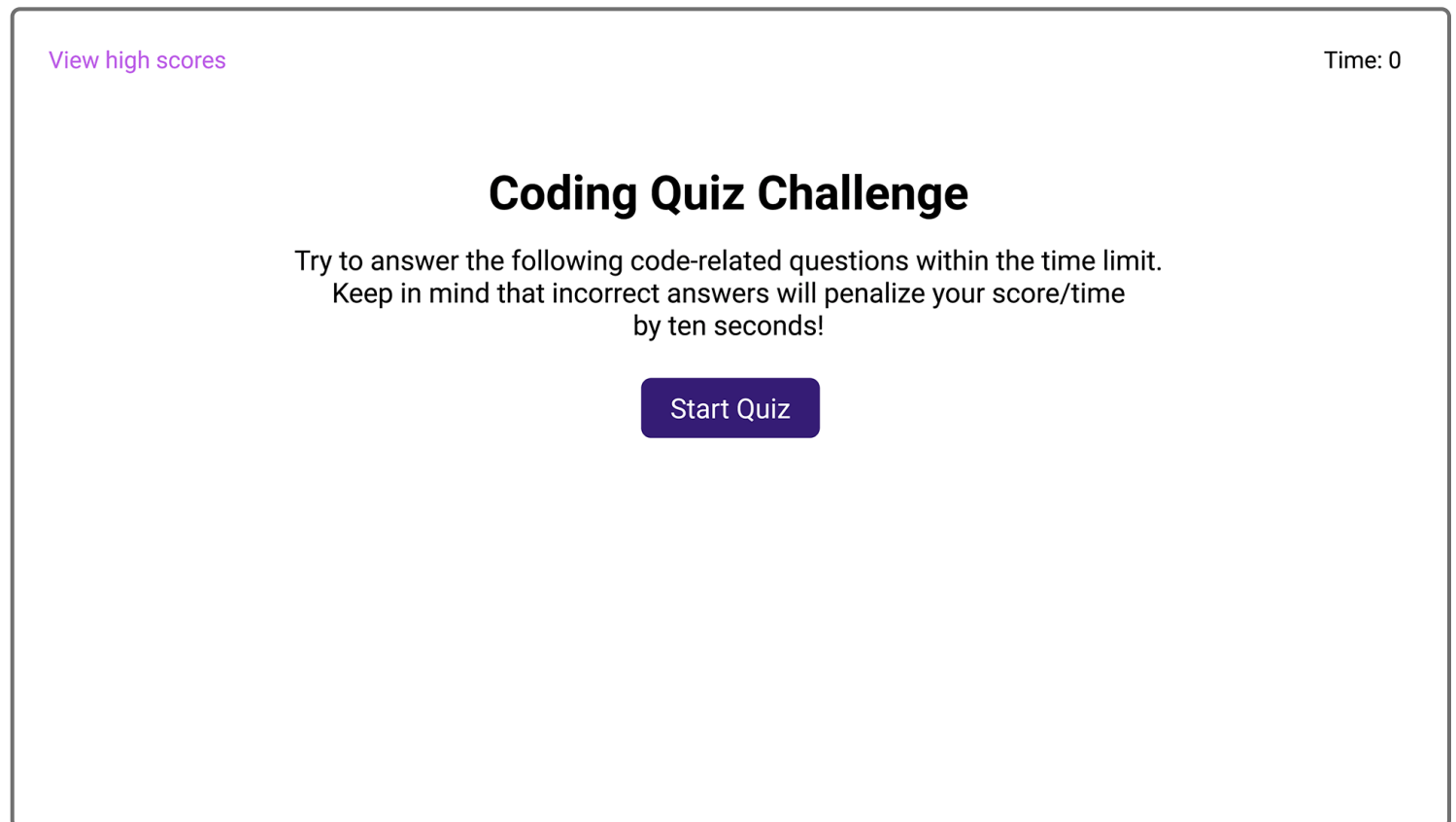

User Story

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AS A coding boot camp 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
```

Mock-Up

The following animation demonstrates the application functionality:

View high scores   Time: 0

Coding Quiz Challenge

Try to answer the following code-related questions within the time limit.
Keep in mind that incorrect answers will penalize your score/time
by ten seconds!

Start Quiz

Grading Requirements

NOTE

If a Challenge assignment submission is marked as "0", it is considered incomplete and will not count towards your graduation requirements. Examples of incomplete submissions include the following:

- A repository that has no code

- A repository that includes a unique name but nothing else

- A repository that includes only a README file but nothing else

- A repository that only includes starter code

This Challenge is graded based on the following criteria:

Technical Acceptance Criteria: 40%

- Satisfies all of the above acceptance criteria.

Deployment: 32%

- Application deployed at live URL.

- Application loads with no errors.

- Application GitHub URL submitted.

- GitHub repository that contains application code.

Application Quality: 15%

- Application user experience is intuitive and easy to navigate.

- Application user interface style is clean and polished.

- Application resembles the mock-up functionality provided in the Challenge instructions.

Repository Quality: 13%

- Repository has a unique name.

- Repository follows best practices for file structure and naming conventions.

- Repository follows best practices for class/id naming conventions, indentation, high-quality comments, etc.

- Repository contains multiple descriptive commit messages.

- Repository contains a high-quality README file with description, screenshot, and link to deployed application.

How to Submit the Challenge

You are required to submit BOTH of 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.

NOTE

You are allowed to miss up to two Challenge assignments and still earn your certificate. If you complete all Challenge assignments, your lowest two grades will be dropped. If you wish to skip this assignment, click Next, and move on to the next Module.

Comments are disabled for graded submissions in BootCamp Spot. If you have questions about your feedback, please notify your instructional staff or the Student Success Manager. If you would like to resubmit your work for an improved grade, you can use the Resubmit Assignment button to upload new links. You may resubmit up to three times for a total of four submissions.

IMPORTANT

It is your responsibility to include a note in the README section of your repo specifying code source and its location within your repo. This applies if you have worked with a peer on an assignment, used code in which you did not author or create sourced from a forum such as Stack Overflow, or you received code outside curriculum content from support staff such as an Instructor, TA, Tutor, or Learning Assistant. This will provide visibility to grading staff of your circumstance in order to avoid flagging your work as plagiarized.

If you are struggling with a Challenge or any aspect of the curriculum, please remember that there are student support services available for you:

1. Office hours facilitated by your TA(s)

2. **Tutoring Guidelines** ▣→
   (https://docs.google.com/document/d/1hTldEfWhX21B_Vz9ZentkPeziu4pPfnwiZbwQB27E90/edit?usp=sharing)
   (schedule a session in the "Tutor Sessions" section of Bootcampspot)

3. Ask the class Slack channel/get peer support

4. AskBCS Learning Assistants