

# Week 4: Assignment 4: Quiz App

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**Due** Sep 18 at 11:59pm      **Points** 30      **Questions** 5  
**Available** Sep 12 at 12am - Oct 2 at 11:59pm 21 days      **Time Limit** None

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## Instructions

### Description

You will create a question-and-answer experience – a browser-based quiz – for this assignment, using the jQuery library. Review this week's Screencast for an example of working with the jQuery library, the Web browser, and an array of object values for managing content like questions and answers.

For this assignment, you will use the jQuery library provided via <http://jquery.com> (<https://jquery.com>). This shared library is written in JavaScript and defines a default function, `$()` or `jQuery()`, that lets us easily access and manipulate the browser and objects in the web page.

- Plan your code by developing a simple flowchart for your code.
- Once you have a plan, create an HTML file.
- Load the jQuery library in your file, and write JavaScript code that renders a user interface that displays a question counter, space for question text, and multiple buttons – one for each answer option.
- Display of the next question should happen after notifying user if choice for current question is correct or wrong.
- Allow user to try to answer again if user's choice is wrong.
- Show a message on the screen once the last question is answered.
- The code you write should use at least one loop control structure and one conditional.
- Save the file and/or upload it to your Cloud9 workspace.
- Visit the page in your browser. It should display the UI and support a simple quiz experience with at least 3 multiple choice questions displayed.
- If you see the expected behaviors, then everything is working properly.

### Purpose

Practice coding with JavaScript events and using the components of the JavaScript language including control structures. Learn how to create interactive experiences using logic and shared code libraries.

### Tools

- Cloud9 IDE code editor and file manager
- Chrome browser with Chrome developer tools
- Browser-based flowcharting tool found at <https://www.draw.io/> (<https://www.draw.io/>)
- jQuery JavaScript library found at <http://jquery.com/> (<http://jquery.com/>)
- JavaScript code validator found at <http://esprima.org/demo/validate.html> (<http://esprima.org/demo/validate.html>)

### Due Date

This assignment is due by the last day of this module by 11:59pm Pacific time.

### Submission Directions

1. If you have not already done so, share your Cloud9 workspace with the instructor's account, **srjcewilde**.  
For instructions on sharing a workspace, see <https://docs.c9.io/docs/share-a-workspace> (<https://docs.c9.io/docs/share-a-workspace>).
2. Create a folder inside of your Cloud9 workspace.

3. Name your folder "module04".
4. Upload the jQuery shared library file into your "module04" folder.
5. Create an HTML file with embedded JavaScript code to meet the requirements of the assignment listed above.
6. Make a screenshot of the validation confirmation screen. Upload the screenshot to question 4.1.
7. Make a PDF of your flowchart diagram. Upload the flowchart PDF to question 4.2.
8. Preview your HTML file containing your JavaScript in Cloud9 using the running application, and copy the URL where your file can be viewed on the Internet. Enter the preview URL for your page for question 4.3.
9. Complete the reading in Ch. 18, pp. 255-269 and Ch. 19 of the textbook and answer remaining questions based on textbook.

Take the Quiz

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