

CMSI 185-01

COMPUTER PROGRAMMING

Fall 2014

Assignment 1204

We wrap up the semester with some full-blown programs. Welcome to our world :)

Outcomes

This assignment ranges the full set of proficiency measures, from 1 to 5b.

Background Material

All but the first two items are available as links on the course website.

- Dionisio/Toal Chapter 6 up to Section 6.4
- Dionisio/Toal Chapter 9 up to Section 9.3, and optionally 9.4 if you can make it that far
- Christian Heilmann's video "Essentials of the DOM and JavaScript in 10 Minutes"
- Any other background materials from previous assignments that you have missed

Finally, completely optional but recommended for the holiday break: catch *The Imitation Game* in movie theaters if possible.

For Submission

Instructions from the syllabus continue to apply, but now for triples rather than pairs. Upload your work to Blackboard/MyLMUConnect as a PDF.

These guidelines for questions that require the submission of code continue to apply:

1. Do your work in jsFiddle and save your links; supply the jsFiddle address in your submission
2. Include your source code, properly formatted, directly in the PDF as well

It is also no longer enough that your programs function correctly. They must also be structured well (2), stick to recommended practices (3), and be presented well (5a).

1. Textbook Chapter 5, Problem 32 (2, 3, 5a)
2. Textbook Chapter 5, Problem 38 (1, 2)
3. Textbook Chapter 6, Problem 6 (you're welcome) (2, 3, 5a)
4. Suppose you have been given an intern who can test the web app you wrote in the previous problem. Write a sequence of test cases for them to follow and verify that you think will ensure the quality of your web application—actions to take, values to try, expected results in each case. Include both correct and erroneous possibilities. (4)
5. Textbook Chapter 6, Problem 7 (2, 3, 5a)
6. What test cases would you now write for this new version of the program? (4)
7. Textbook Chapter 9, Problem 4 (1, 2)
8. Textbook Chapter 9, Problem 19 (2, 3)...starter code for this will be supplied separately