

CIT 281 WEB PLATFORMS

281 Project 1

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CIT 281 The Web Platform

Project 1

Due 1700 M 7/28





Due: 1700 Mon 7/28.

PROJECT REQUIREMENTS

[40 pts] Complete the Unix Shell Learning Module.

Complete this learning module:

Blackboard > Learning Modules > LM: The Unix CLI

Complete this 20-question Quiz

Blackboard > Exams/Review > *Unix CLI Assessment*.

1. [30 pts] 281/p1/js/FizzBuzz.js.

See Ch. 4, p. 142, for the FizzBuzz specs. This problem was covered in your CIS 110 textbook, **Figure -.- Ch. 10 Algorithms**, where it was called the BizzBuzz algorithm.

Command-Line JavaScript: Use the DevTools Console to test a function named fizzBuzz that uses a *for* loop as described **to**

generate this output (the .htaccess credentials are CIT:CIT).

The fizzBuzz function does not accept an argument, and returns a string value.

Use Sublime to *define* your function. Store it in ~/Documents/repos/Projects/Chapter4/FizzBuzz.js.

Use the Chrome DevTools Console to *test* your function.

When the function is tested and correct, upload it to 281/p1/js/FizzBuzz.js on the uoregon.edu server.

2. [10 pts] 111/js/array-functions.js.

Command-Line JavaScript: Ex. 5, p. 145. Write a function named isElement that accepts an array of strings and a string, and returns true if the string is contained in the array, false otherwise. Use the DevTools JavaScript Console to test the function. Store the function in 111/js/array-functions.js.

3. [10 pts] 111/js/object-functions.js.

Write a JavaScript function named `getProps` that accepts an object and returns an array of the object's properties.

Example:

```
var student = { name : "David Rayy", sclass : "VI", rollno : 12 };  
console.log(getProps(student)); =>[name, sclass, rollno]
```

Use the DevTools JavaScript Console to test the function.
Store the function in 111/js/object-functions.js.

4. [10 pts] 111/js/library.js.

Write a JavaScript program to display the reading status (i.e. display book name, author name and reading status) of this **library of books represented as an array of objects**.

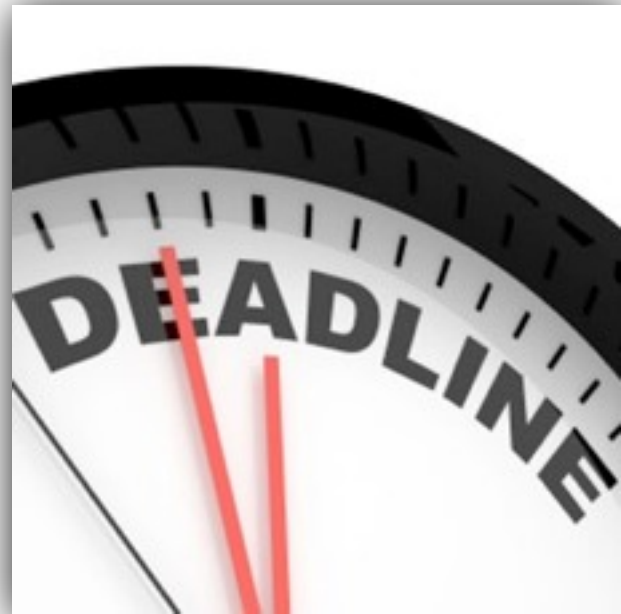
Use the DevTools JavaScript Console to test the program.
Store the program in 111/js/library.js.

Note: an array of objects is sometimes called a *JavaScript database*.

Meeting the Deadline

How to Handle the 17:00 Deadline

- Start working on your project early. Do not delay.
- Turn in what you have by the deadline-- partial credit is better than none.



[Instructors] are a Superstitious Sect, Great Keepers of Set Times and Places.

-- from *Poor Richard's Almanac*

