# MIS2402 Exam 2 Study Guide

## Overview

Since our last exam, we have studied: JavaScript and the DOM, jQuery, jQuery effects and animations, and two different techniques for form validation (HTML5 controls, and JavaScript/jQuery)

We also discovered Ajax and JSON, and explored the JavaScript objects Number, Math, Date, and String.

The Murach Chapters covered were chapter 6, 8, 9, 10, 12 and 13.

In preparation for the exam, students are advised to review past lectures, challenges, and in-class exercises/demonstrations as references.

## Information about the Exam

The exam will be a hands-on programming challenge broken down into steps. You will have the entire class in which to complete the exam. The exam is open book, open notes. There are also online resources you may use. Here they are:

* <http://www.w3schools.com>
* <http://developer.mozilla.org>
* <http://community.mis.temple.edu>
* <http://jquery.org>
* <http://regexlib.com>

There are approximately 8 steps total the student is expected to complete. Some of these steps are broken down into smaller sub-steps with varying point value. There is a total of 30 points on the exam.

Here are some specific skills you should be comfortable with:

1. Retrieve data from a web resource using getJSON.
2. Implement form validation using nothing but JavaScript/JQuery. Know to trim input, check for isNaN, and check the length of input.
3. Demonstrate proficiency with HTML5 form validation controls.
4. Demonstrate knowledge of selectors implement animation effects: addClass(), toggleClass(), show() and hide()
5. Solve a math problem with a loop.

## Grading

Here are some things your instructor looks for when evaluating code.

1. Does the code run without error or warning in the JavaScript Console found in the Google Developer Tools?
2. Does the code work in the fashion described by the problem?

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## Advisories

1. Transferring your exam work to another student, either deliberately or through negligence, will be considered cheating and result in a zero for the exam. Incidents of academic dishonesty will be escalated to the University Disciplinary Committee.
2. Be advised that classroom and server activity during the exam is monitored.
3. Only one screen per student will be permitted. Students using more than one electronic device will be asked to leave the room, and will earn a grade of zero on the exam.
4. Under no circumstances is the printed exam to leave the classroom. Students who do so will receive a grade of zero on the exam.
5. You have the whole class period in which to complete the exam. If you do not upload your solution before the end of class, you will receive a zero on the exam.