COEN 276
Homework 3
Due 11/30/15 at 11:59 pm
100 points total

Overview: For Homework Assignment 3, you will create an interactive quiz using JavaScript, jQuery, Prototype, exploitation of DOM elements, and event handling as discussed in Chapters 8, 9, and 11. You may create this quiz in any way you want in terms of presentation and style, as long as it is visually pleasing to your audience.

Quiz Requirements:

1. Your style must be inviting in some way, so you must use decorative and visually pleasing design choices as we have discussed in class.
2. Your quiz must have a timer where your user has only a few seconds to answer the question (recommend 10-15 seconds). If the question is not answered before the timer ends, it is counted as incorrect. The quiz must continue and the next question must show up on the screen.
3. Your quiz game must keep track of the number of correct answers given and display this count.
4. Your quiz game must keep track of the number of incorrect answers given and display this count.
5. Your quiz game must keep track of the total questions asked, regardless of correct or incorrect answers.
6. Your quiz game questions must draw from different topics in the following areas: Physics, Math, Celebrity Facts, Presidents, and Geography. Plan for roughly 10-15 questions per topic. The questions that are displayed must be random within the topic. So if you have 10 questions in Physics, they must display in a random order.
7. **Very Important**: Your quiz game must keep track of the date, and each day your quiz is accessed the subject of questions must remain the same, and change the following day. For example, on November 8 if I was to access your quiz 20 times that day, I must only see ONE topic of questions display. This topic must also be random, so perhaps for November 8 I will only see Physics questions. Then if I was to access your quiz on November 9, I must only see questions from a different subject, such as Celebrity Facts. And so forth.
8. Your quiz must have the ability to start and stop. When a start button is pushed the quiz starts and when the stop button is pushed, the quiz stops as does the timer, and when the start button is pushed again then the quiz must continue.
9. Questions should be of 2 types: multiple choice questions (radio button) and question where answer should be typed in (text field).

Tips: This is separation of concerns at its finest. ☺ Good luck ☺

Other things to note:
1. I will not be testing with IE of any kind, any version. Please ensure your quiz works properly in Firefox or Chrome.
2. Your files must pass the W3C validators we talked about in class. If not, you will lose points.

HTML Validation: http://validator.w3.org
CSS Validation: http://jigsaw.w3.org/css-validator

How to submit: Please submit your files, zipped, to the Camino drop box. All code files must have your name in comments or you will receive a zero. Your zipped file must also have your name. When these files are open I should be able to view the site with no issues, meaning I shouldn't have to correct sub directories nor should I need to modify your code so that the page displays properly.