



Seneca

INM320 Web Development II

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This Week

- Rest of the semester
- Bootstrap info
- jQuery





Rest of the
semester

It's the final countdown

Fall term ends Wed, Dec 14



Monday classes (SCC, SDD)

- Nov 15: jQuery
- Nov 22: Headless CMS, last assignment
- Nov 29: JavaScript + json
- Dec 6: Work Session for final assignment
- Dec 13: Work Session, assignment due

Friday classes (SAA, SBB)

- Nov 18: jQuery
- Nov 25: Headless CMS, last assignment
- Dec 2: JavaScript + json
- Dec 9: Work Session, assignment due?

You can see we're missing a week due to semester ending on a Wednesday. Do you want me to request a make up class for an additional work session?



Bootstrap Demo

Sub Rows



Bootstrap Demo



Sub Rows in Content Column

- Start with the typical bootstrap code structure:

```
<div class="container">  
  <div class="row">  
    <div class="col">1</div>  
    <div class="col">2</div>  
    ...
```

- You can break up a content column into a new row with another 12 column template
- <https://codepen.io/alutz/pen/oNyeZyy>



jQuery

JavaScript Library



jQuery



What is jQuery?

- A lightweight, "write less, do more", JavaScript library
- Make it much easier to use JavaScript on your website
- jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code

Getting Started

- Need to add jQuery to your web pages
- Can download from <http://jquery.com/download/> or load from CDN
- Benefit of CDN: library will be loaded from cache when they visit your site, which leads to faster loading time

jQuery



Syntax

- Syntax is tailor-made for **selecting** HTML elements and performing some **action** on the element(s)
- Basic syntax is: `$(selector).action()`
- A `$` sign to define/access jQuery
 - A (**selector**) to "query (or find)" HTML elements
 - A jQuery **action**() to be performed on the element(s)

jQuery



Document Ready Event

- Many examples show

```
$(document).ready(function(){  
    // jQuery methods go here...  
});
```
- Need to wait for the document to be fully loaded and ready before working with it
- Can also use

```
$(function(){  
    // jQuery methods go here...  
});
```
- Same thing but shorter

jQuery

Selectors

- Selectors are one of the most important parts of the jQuery library
- Based on existing CSS Selectors and has some own custom selectors
- Element selector `$("p")`
- #id selector `$("#test")`
- .class selector `$(".test")`



jQuery



Events

- All the different visitors' actions that a web page can respond to are called events
- An event represents the precise moment when something happens
- For example moving a mouse over an element, selecting a radio button, clicking on an element

```
$("#p").click(function(){  
    // action goes here!!  
});
```



Exercise

TODO

Exercise 1

TODO:

- Check out the w3schools jQuery Exercises
https://www.w3schools.com/jquery/jquery_exercises.asp





Questions?

Assignments

I want you to succeed. Here's what I expect:

- Use `lite-server` package with `node` to run your projects.
- Start with your `template` for all your projects.
- Delete `node_modules` folder
Less to upload!
- Submit assignments in a zip
called `firstname_lastname.zip` eg `amanda_lutz.zip`
- Submit via Blackboard
Blackboard is the place to submit work



Assignment Rules



Submit on time

- All assignments will be due 11:59pm ET (Toronto time)
- Request extensions before due date
- Late submission will lose 25% for the first week
- After 7 days (including weekends) assignments will receive zero

Resubmissions

- If you receive < 50% you can resubmit
- The highest grade a resubmission can get is 50%
- Resubmission cut off dates will be announced on Blackboard

Assignment

Bootstrap

Supplied with a Figma design create as much of the web page as you can.

SCC, SDD Due: 11:59 pm ET November 21, 2022

SAA, SBB Due: 11:59 pm ET November 24, 2022

Worth: 20% of final grade



Roundtable

Share something cool

