ITMD-461 CLASS 14 APRIL 21, 2015

TONIGHT'S AGENDA

- Google Maps API examples
- More JavaScript DOM
- jQuery Introduction
- Readings & Assignments

JAVASCRIPT EVENT HANDLING

Event Handling

Three Methods (see page 478)

- As attribute on HTML element
- As a method attached to a DOM object
- Using the add event handler method of a object
 - object.addEventListener("click", myFunction);
 - IE < 9 needs to use a different format attachEvent
 - object.attachEvent('onclick', modifyText);

```
https://developer.mozilla.org/en-US/docs/DOM/element.addEventListener
function addEventHandler(elem,eventType,handler) {
  if (elem.addEventListener) {
    elem.addEventListener (eventType,handler,false);
} else if (elem.attachEvent) {
    elem.attachEvent ('on' + eventType,handler);
}}
```

JAVASCRIPT DOM

JavaScript & DOM Reference

http://reference.sitepoint.com/javascript/domcore

http://www.javascriptkit.com/domref/elementproperties.shtml

https://developer.mozilla.org/en-US/docs/DOM/element

https://developer.mozilla.org/en/docs/JavaScript

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JQUERY

JQUERY

- Most popular JavaScript library
- Written in 2005 by John Resig
- Simplifies and abstracts some browser inconsistencies of JavaScript
- Still need to use basic JavaScript stuff we discussed but this simplifies many of the DOM scripting tasks
- Add the jQuery JavaScript file to your html page as a external script then you can use jQuery
- Use Google's cdn to load the library for performance increases.
- jQuery UI adds additional widgets and effects

JQUERY

- All code should go in the document ready function
- Code will execute when the page DOM is ready to be manipulated

```
$(document).ready(function(){
   //code goes here
});
```

- Elements are selected using CSS style selectors
 - var element = \$('#id');
 - Returns a jQuery object
- Jquery API docs http://jquery.com/

JQUERY SLIDESHOWS

- Dev7 studios Nivo Slider & Lean Slider
 - http://dev7studios.com/products/nivo-slider-wordpress-plugin
 - http://dev7studios.com/lean-slider/
- BxSlider
 - http://bxslider.com/
- Many, Many, others
- Just search jQuery Slideshow
- http://cube3x.com/30-free-jquery-slider-plugins/
- http://vandelaydesign.com/blog/web-development/jqueryslideshow/

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READINGS AND ASSIGNMENTS

READING & ASSIGNMENTS

BOOK

- Read all JavaScript Chapters. Ch 19-20
- Look through additional JavaScript Books I uploaded to Blackboard. They will give you more details regarding jQuery.

Assignment (Everything that is remaining)

- Lab 7 Due Saturday, April 25 11:59pm Chicago Time
- Final Project Due Saturday, May 2 11:59pm Chicago Time
- Basic JavaScript Quiz will be assigned sometime next week.
- Final Exam will be a blackboard exam similar to midterm and will be assigned during finals week.

