# ITMD-461 CLASS 15 APRIL 28, 2015

### TONIGHT'S AGENDA

- More jQuery Examples
- Ajax example
- Readings & Assignments

#### 17MD-461

# JQUERY



## 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

Continue Through jQuery site documentation and examples

### 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/

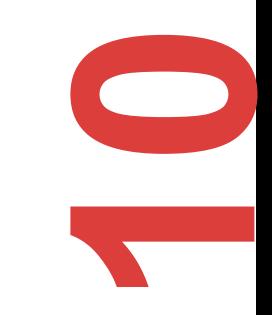
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## 

- XMLHttpRequest (XHR)
  - <a href="http://en.wikipedia.org/wiki/XMLHttpRequest">http://en.wikipedia.org/wiki/XMLHttpRequest</a>
  - https://developer.mozilla.org/en-US/docs/DOM/XMLHttpRequest
- All modern browsers and IE 7 + support the native XMLHttpRequest object.
- For IE < 7 support you would need to use the active x version.</li>
- Request is sent to server and response is received and processed by JavaScript without a full page reload.

- AJAX Asynchronous JavaScript and XML
- Allows you to send or receive data from client to server asynchronously in the background without a complete page reload
- Uses the XMLHttpRequest object
- Use of XML is not required even though it is in the name.
   XML, JSON, text/HTML are common
- Same-Origin Policy
  - Script code must come from same server, domain, subdomain, protocol, port as the ajax call
  - http://en.wikipedia.org/wiki/Same origin policy

- There is Ajax support built-in to most JavaScript libraries including jQuery
- jQuery ajax support is based on \$.ajax(); function
- See jQuery docs for api reference
- http://api.jquery.com/
- Using jQuery can simplify your use of Ajax



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# READINGS AND ASSIGNMENTS

# READING & ASSIGNMENTS

### Assignment (Everything that is remaining)

- Final Project Due Saturday, May 2 11:59pm Chicago
   Time
- Basic JavaScript Quiz Due Saturday, May 2 11:59pm
   Chicago Time
- Final Exam will be a blackboard exam similar to midterm and will be assigned during finals week. Assigned Monday May 4 early morning. Due Friday May 8 – 11:59pm Chicago time.