

# ITMD-461

Class 14  
Dec 3, 2014



# Agenda

- Final Project & Server Index Page
  - Server Index Page See Blackboard
- Continue Google Maps Demo - Briefly
- jQuery Demos
- AJAX

# 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');` // this is a jquery object not DOM
  - Returns a jQuery object, allows for chaining of methods
- JQuery API docs <http://jquery.com/>



# Slideshows

- Nivo Slider  
<http://dev7studios.com/plugins/nivo-slider/>
- BxSlider - <http://bxslider.com/>
- Many, Many, others
- <http://cube3x.com/30-free-jquery-slider-plugins/>
- <http://www.1stwebdesigner.com/design/jquery-slider-plugins/>
- <http://vandelaydesign.com/blog/web-development/jquery-slideshow/>



# AJAX

- XMLHttpRequest (XHR)
- <http://en.wikipedia.org/wiki/XMLHttpRequest>
- <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.
- Request is sent to server and response is received and processed by JavaScript without a full page reload.



# AJAX

- 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](http://en.wikipedia.org/wiki/Same_origin_policy)



# AJAX

- There is Ajax support builtin 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

