

Lesson Objectives

- Introduction
- jQuery Ajax Functions
- Loading HTML Content from the Server
- Making GET Requests
- Making POST Requests
- Introduction to the ajax() Function





jQuery Ajax features

- Allows part of a page updated
- Cross-Browser support
- Simple API
- GET and POST supported
- Load JSON,XML, HTML ...

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jQuery Ajax functions

- jQuery provides several functions that can be used to send and receive data
 - \$(selector).load(): Loads HTML data from the server
 - \$.get() and \$.post(): Get raw data from the server
 - \$.getJSON(): Get / Post and return JSON data
 - \$.ajax(): Provides core functionality
- jQuery Ajax functions works with REST APIs, Webservices and more

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Loading HTML content from server

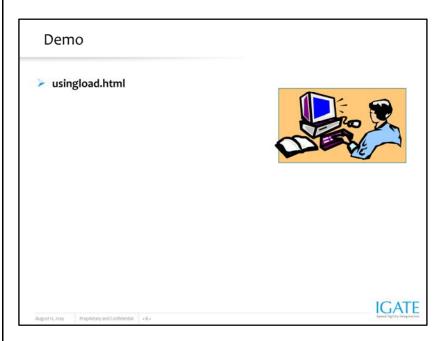
- \$(selector).load(url,data,callback) allows HTML content to be loaded from a server and added into DOM object.
 - \$("#targetDiv").load('GetContents.html');
- A selector can be added after the URL to filter the content that is returned from the calling load().
 - \$("#targetDiv").load('GetContents.html #Main');
- Data can be passed to the server using load(url,data)
 - \$('#targetDiv').load('Add.aspx',{firstNumber:5,secondNumber:10})
- load () can be passed a callback function

```
$('#targetDiv').load('Notfound.html', function (res,status,xhr) {
    If (status == "errror") { alert(xhr.statusText); }
});
```

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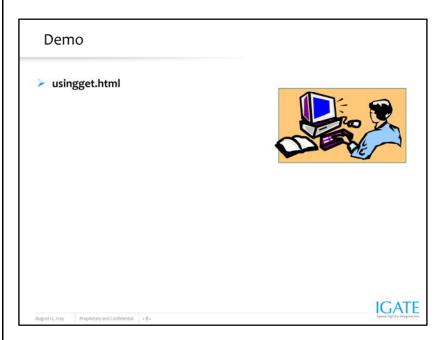
Using get(), getJSON() & post()

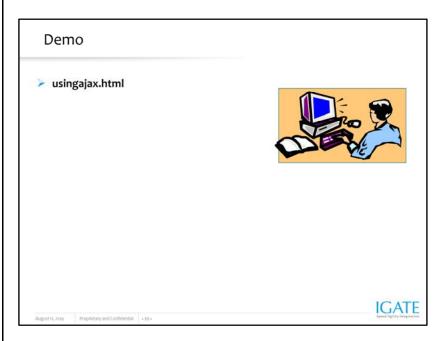
\$.get(url,data,callback,datatype) can retrieve data from a server.

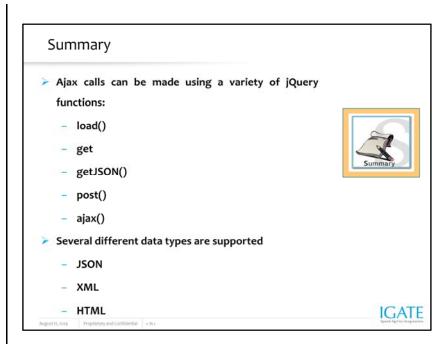
- datatype can be html, xml, json
- \$.getJSON(url,data,callback) can retrieve data from a server.

\$.post(url,data,callback,datatype) can post data to a server and retrieve results.

results.







Lab 6.1. Using jQuery load() function 6.2. Using jQuery post() function 6.3. Using jQuery ajax() function 6.4. Insert record using RESTful Service(POST verb) 6.5. Retrieve record(s) using RESTful Service (GET verb) 6.5. Delete record using RESTful Service (DELETE verb)

Review Question

- What does \$('#myDiv').load('page.html') do?
 - A. It adds the string 'page.html' as the contents of the #myDiv div.



- B. It fires an AJAX request, fetches the result of page.html as text, and inserts it into the div.
- Which jQuery method is used to perform an asynchronous HTTP request?
 - A. jQuery.ajax()
 - B. jQuery.ajaxSetup()
 - C. jQuery.ajaxAsync()
 - D. jQuery.ajaxStart()

