Inte	g with DOM	
		ICATI

Lesson Objectives

- Iterating Through Nodes
- Modifying Properties
- Working with Attributes
- Adding and Removing Nodes
- Modifying Styles
- Working with Classes





August 11, 201

prietary and Confidential +2

Iterating through Nodes

.each(function(index,Element)) is used to iterate through jQuery objects

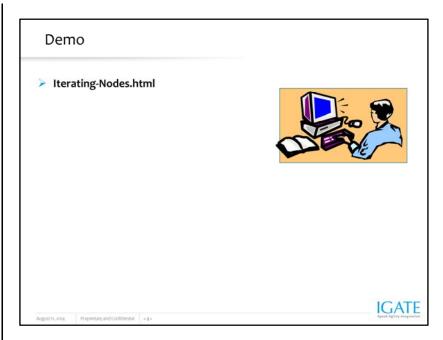
```
$('div').each (function (index){
  alert(index+'='+$(this).text());
});
```

Iterates through each div element and returns its index number and text

```
$('div').each (function
(index,element){
  alert(index+'='+$(element).text());
});
```

August 11, 2014 Proprietary and Confidential + 3 +

IGATE



Modifying Object Properties

The this.ProperyName statement can be used to modify an object's properties directly.

```
$('div').each (function (index){
this.title = "Index = "+index;
});
```

Iterates through each div and modifies the title. If the property does not exit, it will be added

August 11, 2014 Proprietary and Confidential + 5 +



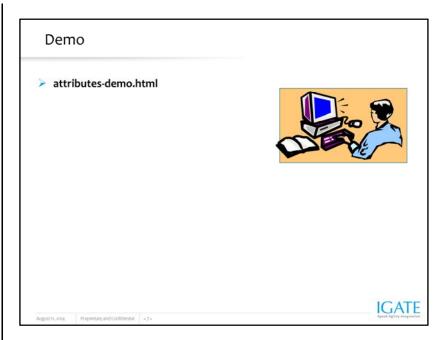
Working with Attributes

- Object attributes can be used using attr():
 - var val = \$('#customDiv').attr('title'); Retrieves the title attribute value
- .attr(attributeName,value) is the method used to access an object's attributes and modify the values.
 - \$('img').attr('title','Image title'); changes the title attribute value to Image title.
- To modify multiple attributes, pass JSON object.

```
$('img').attr({
"title": "image title",
"style": "border:2px solid black"
});
```

August 11, 2014 Proprietary and Confidential +6+

IGATE

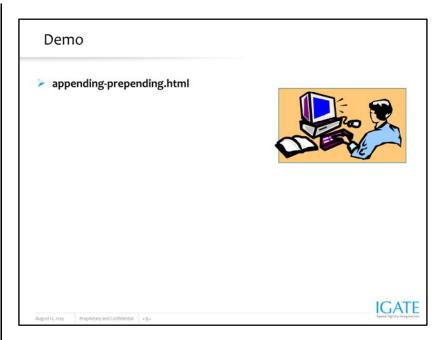


Adding and Removing Nodes

- In traditional approach adding and removing nodes is tedious.
- To insert nodes four methods were available
- Appending adds children at the end of the matching elements
 - append()
 - appendTo()
- Prepending adds children at the beginning of the matching elements
 - .prepend()
 - prependTo()
- To wrap the elements use .wrap()
- To remove nodes from an element use .remove()







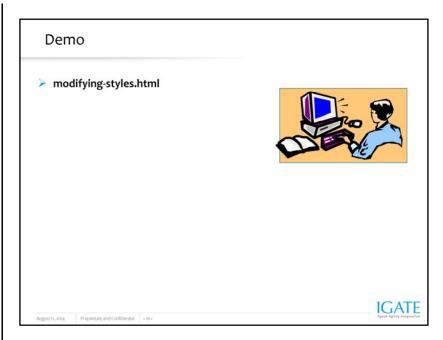
Modifying Styles

- .css() function is used to modify an object's style
 - \$('div').css('color','red');
- Multiple styles can be modified by passing a JSON Object

```
$('div').css({
          "color":"red",
          "font-weight":"bold"
});
```

August 11, 2014 Proprietary and Confidential + 10 +

IGATE



Working with Classes

- The four methods for working with css class attributes are
 - addClass()
 - hasClass()
 - removeClass()
 - .toggleClass()
- .addClass() adds one or more class names to the class attribute of each element.
 - \$('p').addClass('classOne');
 - \$('p').addClass('classOne classTwo');
- .hasClass() returns true if the selected element has a matching class that is specified
 - if(\$('p').hasClass('classOne')) { //perform operation}

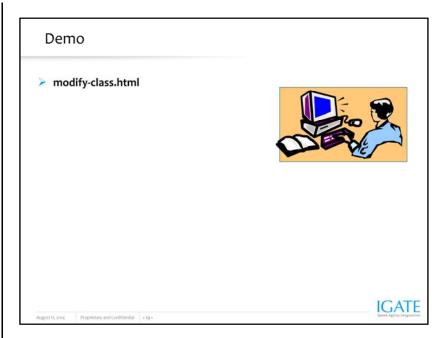


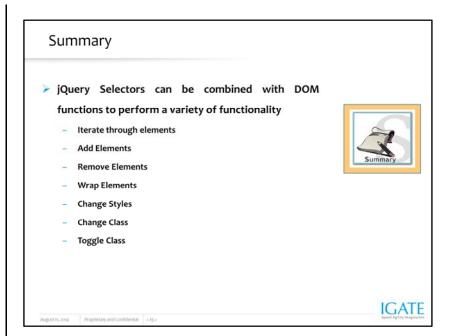
Working with Classes (Contd)

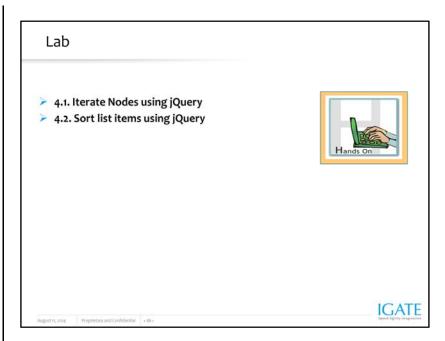
- .removeClass() can remove one or more classes
 - \$('p').removeClass('classOne classTwo');
- > To remove all class attributes for the matching selector
 - \$('p').removeClass();
- .toggleClass() alternates adding or removing a class based on the current presence or absence of the class.
 - \$('#targetDiv').toggleClass('highlight');



August 11 2007 Proprietary and Confide







Review Question Which jQuery method is used to set one or more style properties for selected elements? A. css() B. style() C. html() D. text() Which of the snippets below creates a new div and appends it to the first span on the page? A. \$('span').createElement('div','This is a new div!'); B. \$('<div>','{html:"This is a new div!'); C. \$('span').html('<div>This is a new div!</div>')