Unit3

Client Side Scripting Languages
Javascript & Jquery
(Part 2- jQuery)

Urko Dorronsoro Sagasti

Summary

- Introduction to jQuery

- Adding jQuery to your website

- Basic Sintax

- Selectors

- Events

- Methods

Introduction to jQuery

- A Javascript Library that makes some tasks easier.

- It includes:

  - HTML/DOM manipulation

  - CSS manipulation

  - HTML event methods

  - Effects and animations

  - AJAX

  - Utilities

How to add jQuery to your website

- Download the package from jquery.com

- or...use a CDN (Content Delivery Network)

- How to add it:

- Option 1: After downloading it...

- <script src="jquery-1.11.2.min.js"></script>

- Option 2: CDN

- <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>

Basic Sintax

- Basic sintax: $(selector).action()
- Selectors could be tag names, ids, classes, etc.
- Actions can be those offered by the jquery library itself.
- Examples:
  - $(this).hide() - hides the current element.
  - $("p").hide() - hides all <p> elements.
  - $(".test").hide() - hides all elements with class="test".
  - $("#test").hide() - hides the element with id="test".

More on selectors

- **$("*")**   Selects all elements
- **$(this)**   Selects the current HTML element
- **$("p.intro")**   Selects all <p> elements with class="intro"
- **$("p:first")**   Selects the first <p> element
- **$("ul li:first")** Selects the first <li> element of the first
- **$("ul li:first-child")**   Selects the first <li> element of every
- **$("[href]")**   Selects all elements with an href attribute
- **$("a[target='_blank']")**   Selects all <a> elements with a target attribute value equal to "_blank"
- **$("a[target!='_blank']")**   Selects all <a> elements with a target attribute value NOT equal to "_blank"
- **$(":button")**   Selects all <button> elements and <input> elements of type="button"
- **$("tr:even")**   Selects all even <tr> elements
- **$("tr:odd")**   Selects all odd <tr> elements

Events

Mouse Events	Keyboard Events	Form Events	Document/Window Events
click	keypress	submit	load
dblclick	keydown	change	resize
mouseenter	keyup	focus	scroll
mouseleave		blur	unload

Full list of events here

- Example:

```
$("p").click(function(){
        $(this).hide();
});
```

Methods

- Jquery API list
- Jquery API Cheatsheet

Recap: What we've learnt in this LU

- What is jQuery

- How to add jQuery to your website

- Jquery Basic Sintax

- Jquery Selectors

- Jquery Events

- Basic jQuery Methods

Questions?