**JQuery**

JQuery is a JavaScript library and it simplifies the JavaScript programing.

JQuery simplifies the lot of complicated things from JavaScript like AJAX calls and DOM manipulations.

JQuery library contains the following features:

* **HTML/DOM manipulation**
* **CSS manipulation**
* **HTML event methods**
* **AJAX**

**$(document).ready(function(){**

// All JQuery methods go here

**})**;

Shorter method for document ready event

**$(function(){**

// All JQuery methods go here

**});**

**JQuery Selectors**

JQueryselectors are allows us to select and manipulate the HTML elements

JQuery selectors are used to select or find the HTML elements based on their name, id, classes, types, attributes and values of attributes.

All selectors in JQuery starts with $ sign and () parenthesis

* Element selector $(“p”)
* Id selector $(“#id\_name”)
* Class selector $(‘’.class\_name”)

**Examples of JQuery Selectors**

|  |  |
| --- | --- |
| **Syntax** | **Description** |
| $("\*") | 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> |
| $("ul li:first-child") | Selects the first <li> element of every <ul> |
| $("[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 |

**JQuery 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 |