

<script>



# ***Client Side Technologies***

## **JavaScript Events**

# What is Events?



- ❑ Events are actions that respond to user's specific actions.
- ❑ Events are controlled in JavaScript using event handlers that indicate what actions the browser takes in response to an event.
- ❑ Event handlers are created as attributes added to the HTML tags in which the event is triggered.
- ❑ An Event handler adopts the event name and appends the word “on” in front of it.

```
< tag onEvent = “JavaScript commands;”>
```

- ❑ Thus the “click” event becomes the onClick event handler

# Mouse Events



| Event handler      | Description   |
|--------------------|---|
| <b>onMouseDown</b> | when pressing any of the mouse buttons.                   |
| <b>onMouseMove</b> | when the user moves the mouse pointer within an element.  |
| <b>onMouseOut</b>  | when moving the mouse pointer out of an element.          |
| <b>onMouseUp</b>   | when the user releases any mouse button pressed           |
| <b>onMouseOver</b> | when the user moves the mouse pointer over an element.    |
| <b>onClick</b>     | when clicking the left mouse button on an element.        |
| <b>onDbClick</b>   | when Double-clicking the left mouse button on an element. |
| <b>onDragStart</b> | When the user has begun to select an element              |

# Keyboard Events



| Event handler     | Description                |
|-------------------|----------------------------|
| <b>onKeyDown</b>  | When User presses a key    |
| <b>onKeyPress</b> | When User holds down a key |
| <b>onKeyUp</b>    | When User a key            |

# Other Events



| Event handler   | Description  |
|-----------------|--|
| <b>onAbort</b>  | The User interrupted the transfer of an image  |
| <b>onBlur</b>   | when loosing focus   |
| <b>onFocus</b>  | when setting focus   |
| <b>onChange</b> | when the element has lost the focus and the content of the element has changed               |
| <b>onLoad</b>   | a document or other external element has completed downloading all the data into the browser |
| <b>onUnload</b> | a document is about to be unloaded from the window   |
| <b>onError</b>  | When an error has occurred in a script.  |
| <b>onMove</b>   | when moving the browser window   |

# Other Events(Cont.)



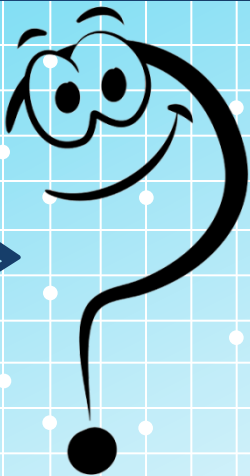
| Event handler        | Description   |
|----------------------|---|
| <b>OnReset</b>       | When the user clicks the <b>form</b> reset button     |
| <b>onSubmit</b>      | When the user clicks the <b>form</b> submit button    |
| <b>onScroll</b>      | When the user adjusts an element's scrollbar          |
| <b>onResize</b>      | When the user resizes a browser window                |
| <b>onHelp</b>        | When the user presses the F1 key                      |
| <b>onselect</b>      | When selecting text in an input or a textarea element |
| <b>onStart</b>       | When A marquee element loop begins                    |
| <b>onFinish</b>      | When a marquee object finishes looping                |
| <b>onSelectStart</b> | When the user is beginning to select an element       |

<script>



JavaScript

</script>

<SCRIPT>  </SCRIPT>

```
<script>document.writeln("Thank  
You!")</script>
```