DHA SUFFA UNIVERSITY
Department of Computer Science

CS-1201L
Introduction to Information and Communication Technology
Fall 2022

LAB 07– JavaScript Events

OBJECTIVE(S)

- Learn about some new input types in HTML5.
- Learn about JavaScript Events

New Input Types

HTML5 introduces a number of new input types. These new input types give hints to the browser about what type of values need to be entered.

Attribute	Description
url	For entering a URL. It must start with a valid URI scheme like http://, etc.
tel	For entering phone numbers. It does not enforce a particular syntax for validation, so if you want to ensure a particular format, you can use pattern.
email	For entering phone numbers. It does not enforce a particular syntax for validation, so if you want to ensure a particular format, you can use pattern.
search	A text input field styled in a way that is consistent with the platform's search field.
number	For numeric input, can be any rational integer or float value.
color	For choosing colors.
range	For number input, but unlike the number input type, the value is less important. It is displayed to the user as a slider control.
datetime-local	For entering a date and time value where the time zone provided is the local time zone.
date	For entering a date (only) with no time zone provided.
time	For entering a time (only) with no time zone provided.

week	For entering a date that consists of a week-year number and a week number, but no time zone.
month	For entering a date with a year and a month, but no time zone.

Font Awesome Basic Icons

To use the Font Awesome icons, add the following line inside the <head> section of your HTML page:

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

You can place Font Awesome icons by using the prefix fa and the icon's name.

Example Code:

<head>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

</head>

<body>

<ul class="fa-ul">

  <i class="fa-li fa fa-check-square"></i>List icons

  <i class="fa-li fa fa-spinner fa-spin"></i>List icons

  <i class="fa-li fa fa-square"></i>List icons

</body>

HTML 5 Standard Events

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Some of the standard HTML5 events are listed here.

Attribute	Description
onclick	Triggers on a mouse click
ondblclick	Triggers on a mouse double-click
onfocus	Triggers when the window gets focus
onkeydown	Triggers when a key is pressed
onkeypress	Triggers when a key is pressed and released
onkeyup	Triggers when a key is released
onmousedown	Triggers when a mouse button is pressed
onmousemove	Triggers when the mouse pointer moves
onmouseout	Triggers when the mouse pointer moves out of an element
onmouseover	Triggers when the mouse pointer moves over an element
onmouseup	Triggers when a mouse button is released
onmousewheel	Triggers when the mouse wheel is being rotated
onresize	Triggers when the window is resized
onscroll	Triggers when an element's scrollbar is being scrolled
onsubmit	Triggers when a form is submitted

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LAB ASSIGNMENT

1. Create a webpage of your choice and use at least five of the HTML5 new input types and five JavaScript Events in different ways.

SUBMISSION GUIDELINES

- Take a screenshot of each task.
- Place all the screenshots in a single word file labeled with Roll No and Lab No. e.g. **'cs191xxx_Lab01'.**
- Convert the file into PDF.
- Place all the related files along with the PDF file in a folder labeled with Roll No and Lab No. e.g. 'cs192xxx_Lab01'.
- Submit the folder at LMS
- **-100%** policies for plagiarism.