**3RD Assignment**

Make a note and show practical demonstration (by creating a single web page) on the following elements

* Date
* Date-time
* Date time local
* Month
* Week
* Quotation and Citation Elements
* Tables
* Textarea
* Drop down List (with multiple select feature)
* HTML Symbols / Character Entities
* HTML Validation
* Drag and Drop Feature
* File Upload

**ANSWER**

Date: The <input type="date"> is used for input fields that should contain a date

<form>  
  <label for="Date">Pick Date:</label>  
  <input type="date" id="date" name="picked\_date">  
</form>

Date-time Local: The <input type="datetime-local"> specifies a date and time input field, with no time zone.

<form>  
  <label for="time">(date and time):</label>  
  <input type="datetime-local" id="time" name="time">  
</form>

Month: The <input type="month"> allows the user to select a month and year.

<form>  
  <label for="month">(month and year):</label>  
  <input type="month" id="month" name="month">  
</form>

Week: The <input type="week"> allows the user to select a week and year.

<form>  
  <label for="week">Select a week:</label>  
  <input type="week" id="week" name="week">  
</form>

Quotation and Citation Element:   
The HTML <q> tag defines a short quotation.

<p>  
 The next set of text will be quoted:   
 <q>  
 Build a future where people live in harmony with nature.  
 </q>  
</p>

The HTML <cite> tag defines the title of a creative work (e.g. a book, a poem, a song, a movie, a painting, a sculpture, etc.).

<p><cite>The Scream</cite> by Edvard Munch. Painted in 1893.</p>

Tables: The <table> tag defines an HTML table.

An HTML table consists of one <table> element and one or more [<tr>](https://www.w3schools.com/tags/tag_tr.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp), and [<td>](https://www.w3schools.com/tags/tag_td.asp) elements.

The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

<table>  
  <tr>  
    <th>Header 1</th>  
    <th>Header 2</th>  
  </tr>  
  <tr>  
    <td>Row 1 Column 1</td>  
    <td>Row 1 Column 2</td>  
  </tr>  
</table>

Textarea: The <textarea> tag defines a multi-line text input control.

The <textarea> element is often used in a form, to collect user inputs like comments or reviews.

<form>  
  <label for="large\_text">Large text area:</label>

<textarea id="large\_text" name="large\_text"   
 rows="4" cols="50"></textarea>  
</form>

Drop down List (with multiple select feature): The <select> element defines a drop-down list.

The <option> elements defines an option that can be selected.

Use the multiple attribute to allow the user to select more than one value:

<label for="cars">Choose a car:</label>  
<select id="cars" name="cars" size="4"multiple>  
  <option value="volvo">Volvo</option>  
  <option value="saab">Saab</option>  
  <option value="fiat">Fiat</option>  
  <option value="audi">Audi</option>  
</select>

HTML Symbols: Some characters are reserved in HTML.

If you use the less than (<) or greater than (>) signs in your text, the browser might mix them with tags.

Character entities are used to display reserved characters in HTML.

&*entity\_name*;  
OR  
&#*entity\_number*;

HTML Validation: The input required attribute specifies that an input field must be filled out before submitting the form.

The required attribute works with the following input types: text, search, url, tel, email, password, date pickers, number, checkbox, radio, and file.  
  
It’s used to trigger HTML validation with the input types

<form>  
  <label for="text\_val">Username:</label>  
  <input type="text" id="text\_val" name=" text\_val" required>  
 <input type="email" id="email\_val" name="email\_val" required>  
 <input type="url" id="url\_val" name="url\_val" required>  
 <input type="tel" id="tel\_val" name="date\_val" required>  
 <input type="date" id="date\_val" name="date\_val" required>  
</form>

Drag and Drop Feature: Drag and drop is a very common feature. It is when you "grab" an object and drag it to a different location.

<!DOCTYPE HTML>  
<html>  
<head>  
<script>  
function allowDrop(ev) {  
  ev.preventDefault();  
}  
  
function drag(ev) {  
  ev.dataTransfer.setData("text", ev.target.id);  
}  
  
function drop(ev) {  
  ev.preventDefault();  
  var data = ev.dataTransfer.getData("text");  
  ev.target.appendChild(document.getElementById(data));  
}  
</script>  
</head>  
<body>  
  
<div id="div1" ondrop="drop(event)" ondragover="allowDrop(event)"></div>  
  
<img id="drag1" src="img\_logo.gif" draggable="true" ondragstart="drag(event)" width="336" height="69">  
  
</body>  
</html>

File Upload: The <input type="file"> defines a file-select field and a "Browse" button for file uploads.

<form>  
  <label for="myfile">Select a file:</label>  
  <input type="file" id="myfile" name="myfile">  
</form>