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Assignment 1
5th August 2023
Module 2 : Front End Development

Submission Requirements: Please upload your codes in PDF File on Google Classroom in the relevant Assignment section.

Note: Plagiarism is a serious violation. Zero marks will be awarded in case plagiarism is found. You

are required to perform the following tasks.

Part 1:

Task 1:

Embed the provided iframe element with the source "https://www.corvit.com" and set its width to 100% and height to 400px.

Solution:

```html
<div>
    <h2>Task 1</h2>
    <iframe src="https://www.corvit.com" width="100%" height="400px"></iframe>
</div>
```
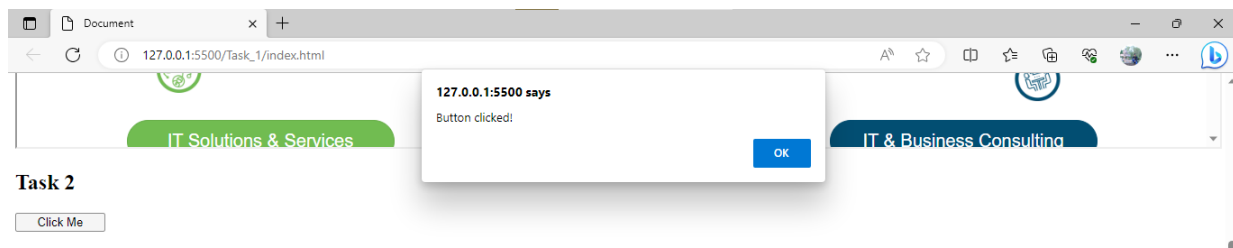
Task 1

Task 2:
Add a new button below the iframe with the text "Click Me." When the button is clicked, display an alert with the message "Button clicked!"

Solution:

```html
<!-- Task_2 -->
<div>
    <h2>Task 2</h2>
    <input style="width:100px" type="button" value="Click Me" id="button">
    <script>
        var button = document.getElementById("button");
        button.addEventListener("click", function ()
        {
            alert("Button clicked!");
        });
    </script>

</div>
```
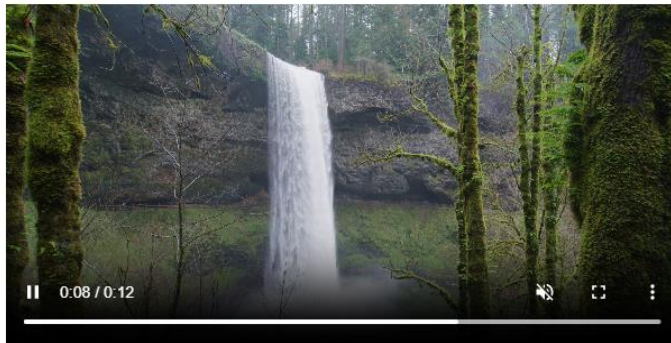
Task 3:

Include a video element below the button. Use the provided video file "video.mp4" as the source. Enable video controls, autoplay the video, and mute the audio.

Solution:

```html
<!-- Task_3 -->
<div>
    <h2>Task 3</h2>
    <video src="./pexels-peter-fowler-6394054 (2160p).mp4" height="300px" controls autoplay muted></video>
</div>
```

Task 3

Task 5:

Create an anchor link (a) below the video element. Set the link's href attribute to "./form.html" and add the target attribute to open the link in the same browser tab.

Solution:

```html
<!-- Task_5 -->
<div>
    <h2>Task 5</h2>
    <a href="../Practice_3/form.html">Open Form</a>
</div>
```

Task 6: Add an image to the page. Use any image of your choice and set its width to 300px and height to 200px.

Solution:

```html
<!-- Task_6 -->
<div>
    <h2>Task 6</h2>
    <img src="./73333418_922995881389882_4079491114631954432_n.jpg" width="300px" height="200px">
</div>
```

Task 6

Task 7:

Create an ordered list (ol) with at least three list items (li) containing the names of your favorite books.

Solution:

```
<!-- Task_7 -->
<div>
    <h2>Task 7</h2>
    <ol>
        <li>Forty Rules of Love</li>
        <li>Baang e Dara</li>
        <li>Kalam e Iqbal</li>
    </ol>
</div>
```

Task 7

1. Forty Rules of Love
2. Baang e Dara
3. Kalam e Iqbal

Task 8:

Add a horizontal rule (hr) below the ordered list to visually separate it from the rest of the content.

Solution:

```
<!-- Task_8 -->
<div>
    <h2>Task 8</h2>
    <hr>
</div>
```
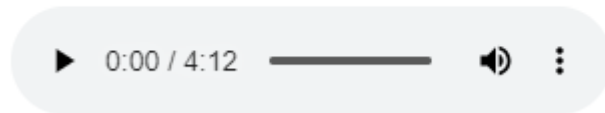
Task 8

Task 9:

Include an audio element on the page. You can use any audio file format and set the controls to display audio controls to the user.

Solution:

```
<!-- Task_9 -->
<div>
    <h2>Task 9</h2>
    <audio src="./ae-sabz-gumbad-walay-maqbool-dua-karna.mp3" controls >Aie Sabz Gumbad Wallay Naat</audio>
</div>
```
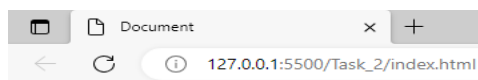
Task 9

▶ 0:00 / 4:12 ━━━━━━━━ 🔊 ⋮

Part 2:

Task 1:

Create a form with a text input field for "Name" and a drop down select element for "Country." The

drop down should contain options for Pakistan, UK, USA, and UAE.

Solution:

```html
<!-- Task_1 -->
<form>
    <h1>Task_1</h1>
    <label for="name">Name :</label>
    <input class="borderStyle" type="text" id="name" name="name"/>
</form>
<form>
    <select name="dropDown" id="dropDown">
        <option value="select" disabled selected>Select Country</option>
        <option value="pakistan">Pakistan</option>
        <option value="usa">USA</option>
        <option value="uk">UK</option>
        <option value="uae">UAE</option>
    </select>
</form>
<hr>
```

Task 2:

Implement a form with a textarea for users to enter a message with a maximum length of 100 characters.

Solution:

```html
<!-- Task_2 -->
<form>
    <h1>Task_2</h1>
    <label for="message">Message:</label>
    <textarea class="borderStyle" maxlength="100" cols="40" rows="10"></textarea>
</form>
<hr>
```

Task_2

```
Limit only 100 chars



Message:
```

Task 3:

Create a form with a password input field and a checkbox to accept terms and conditions. The checkbox should be labeled "I agree to the terms and conditions."

Solution:

```
<!-- Task_3 -->
<form>
    <h1>Task_3</h1>
    <div>
        <label for="pass">Password:</label>
        <input type="password" id="pass" name="pass">
    </div>

    <label for="confirm">I agree to the terms and conditions</label>
    <input type="checkbox" name="confirm" id="confirm">
</form>
<hr>
```

Task_3

Password: [••••••••••••]
I agree to the terms and conditions ✓

Task 4:

Design a form with three radio buttons for "Gender" selection: Male, Female, and Other.

Solution:

```
<!-- Task_4 -->
<form>
    <h1>Task_4</h1>
    <label><b>Gender:</b></label>
    <label for="male">Male</label>
    <input type="radio" id="male" name="gender">
    <label for="female">Female</label>
    <input type="radio" id="female" name="gender">
    <label for="other">Other</label>
    <input type="radio" id="other" name="gender">
</form>
```

Task_4

Gender: Male ◉ Female ○ Other ○

Task 5:

Add a file input field to the form that allows users to upload an image.

Solution:

```
<!-- Task_5 -->
<form>
    <h1>Task_5</h1>
    <label for="image">Upload Image:</label>
    <input type="file"  name="image" id="image" accept="image">
</form>
<hr>
```

Task_5

Upload Image: [Choose File] Image.png

Task 6:

Implement a form with a range input element that allows users to select a value between 1 and 100.

Solution:

```
<!-- Task_6 -->
<form>
    <h1>Task_6</h1>
    <label for="range">Range: </label>
    <input type="range" min="1" max="100">
</form>
<hr>
```

Task_6

Range: ●━━━━━○

Task 7:

Create a form with a number input field for "Age" that only allows values between 18 and 65.

Solution:

```
<!-- Task_7 -->
<form>
    <h1>Task_7</h1>
    <label for="age">Age: </label>
    <input type="number" name="age" id="age" min="18" max="65">
</form>
<hr>
```

Task_7

Age: 18 ↕

Task 8:

Design a form with a color input field that lets users choose a color.

Solution:

```html
<!-- Task_8 -->
<form>
    <h1>Task_8</h1>
    <label for="fav">Choose your favourite Color:</label>
    <input type="color" id="fav" name="fav">
</form>
<hr>
```


Task 9:

Add a date input field to the form to allow users to select a date.

Solution:

```html
<!-- Task_9 -->
<form>
    <h1>Task_9</h1>
    <label for="dob">Date of Birth:</label>
    <input type="date" id="dob" name="dob">
</form>
<hr>
```

August 2023 ▾   ↑   ↓

Su	Mo	Tu	We	Th	Fr	Sa
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Clear   Today

Task_9

Date of Birth: mm/dd/yyyy 📅

Task 10:

Create a form with a URL input field that requires users to enter a valid URL starting with "http://" or

"https://".

Solution:

```html
<!-- Task_10 -->
<form>
    <h1>Task_10</h1>
    <label for="web"> Paste Valid URL:</label>
    <input type="url" id="web" name="web" accept="url">
</form>
<hr>
```

Task_10

Paste Valid URL: njcsdhvcud

⚠ Please enter a URL.

Task_10

Paste Valid URL: http://google.com

Task 11:

Implement a form with a number input field for "Quantity" that allows values between 1 and 10 only.

Solution:

```html
<!-- Task_11 -->
<form>
    <h1>Task_11</h1>
    <label for="quantity">Quantity:</label>
    <input type="number" name="quantity" id="quantity" min="1" max="10">
</form>
<hr>
```

Task_11

Quantity: [10]

Task 12:

Create a form with a checkbox group for "Interests." Include checkboxes for "Sports," "Reading," "Cooking," and "Traveling."

Solution:

```
<!-- Task_12 -->
<h1>Task_12</h1>
<label for="hobby"><b>Select your Hobbies:</b></label>
<form>
    <label for="sports">Sports</label>
    <input type="checkbox" id="sports" name="hobby">
</form>
<form>
    <label for="reading">Reading</label>
    <input type="checkbox" id="reading" name="hobby">
</form>
<form>
    <label for="cooking">Cooking</label>
    <input type="checkbox" id="cooking" name="hobby">
</form>
<form>
    <label for="travelling">Travelling</label>
    <input type="checkbox" id="travelling" name="hobby">
</form>
<hr>
```

Task_12

Select your Hobbies:
Sports ☑

Reading ☐

Cooking ☐

Travelling ☑

Task 13:

Design a form with a select dropdown for "Favorite Color." Include options for "Red," "Blue," "Green," "Yellow," and "Purple."

Solution:

```html
<!-- Task_13 -->
<form>
    <h1>Task_13</h1>
    <select name="dropDown" id="dropDown">
        <option value="select" hidden>FavoriteColour
        </option>
        <option value="red">Red</option>
        <option value="blue">Blue</option>
        <option value="green">Green</option>
        <option value="yellow">Yellow</option>
        <option value="purple">Purple</option>
    </select>
</form>
<hr>
```

Task_13

FavoriteColour ⌄
Red
Blue
Green
Yellow
Purple

Task 14:

Add a time input field to the form, allowing users to select a specific time.

Solution:

```
<!-- Task_14 -->
<form>
    <h1>Task_14</h1>
    <label for="time">Select Time:</label>
    <input type="time" id="time" class="time">
</form>
<hr>
```

10	57	PM
11	58	AM
12	59	
01	00	
02	01	
03	02	
04	03	

Task_

Select Time: --:-- -- 🕐

Task 15:

Implement a form with a search input field and a submit button. The search field should have a placeholder text, "Search here."

Solution:

```
<!-- Task_15 -->
<form>
    <h1>Task_15</h1>
    <label for="search"></label>
    <input type="search" name="search" id="search" placeholder="Search Here">
</form>
<hr>
```

Task_15

```
Search Here
```

Task 16:

Create a form with a set of radio buttons for "Membership Plan." Include options for "Basic," "Premium," and "Pro."

Solution:

```
<!-- Task_16 -->
<form>
    <h1>Task_16</h1>
    <label for="plan"><b>Membership Plan:</b></label>
    <label for="basic">Basic</label>
    <input type="radio" name="plan" id="plan">

    <label for="premium">Premium</label>
    <input type="radio" name="plan" id="plan">

    <label for="pro">Pro</label>
    <input type="radio" name="plan" id="plan">
</form>
<hr>
```

Task_16

Membership Plan: Basic ⚪ Premium ⚪ Pro 🔘

Task 17:

Design a form with a color input field and a submit button. When users choose a color and click the submit button, change the background color of the form to the selected color.

Solution:

```html
<!-- Task_17 -->
<form id="color" method="get">
    <h1>Task_17</h1>
    <label for="Selector">Choose color</label>
    <input style="width: 150px; height: 30px; display: block;" type="color" name="Selector" id="Selector">
    <input class="submit" type="submit" onclick="color();
    return false;">
    <script>
        function color() {
        let newColor = document.getElementById("Selector").value;
        document.getElementById("color").style.backgroundColor = newColor;
        }
    </script>
</form>
```

Task_17

Choose color

Submit

Task 18:

Add a week input field to the form, allowing users to select a specific week.

Solution:

```html
<!-- Task_18 -->
<form>
    <h1>Task_18</h1>
    <label for="week"><b>Select Week:</b></label>
    <input type="week" id="week" name="week">
</form>
<hr>
```

August 2023 ▾   ↑ ↓

Week	Su	Mo	Tu	We	Th	Fr	Sa
31	30	31	1	2	3	4	5
32	6	7	8	9	10	11	12
33	13	14	15	16	17	18	19
34	20	21	22	23	24	25	26
35	27	28	29	30	31	1	2
36	3	4	5	6	7	8	9

Clear   This week

Task_1

Select Week: Week --, ---- 📅

Task 19: Implement a form with a range input for "Rating" that allows values between 1 and 5.

Solution:

```html
<!-- Task_19 -->
<form>
    <h1>Task_19</h1>
    <label for="rate"><b>Rating:</b></label>
    <input type="range" name="rate" id="rate" mibn="1" max="5">
</form>
<hr>
```

Task_19

Rating:

Task 21:

Design a form with a range input for "Volume" that allows values between 0 and 100. Include a label to display the selected value dynamically as the user adjusts the slider.

Solution:

```html
<!-- Task_21 -->
<form>
    <h1>Task_21</h1>
    <label for="vol"><b>Select Volume:</b></label>
    <input type="range" name="vol" id="vol" min="0" max="100">
</form>
<hr>
```

Task_21

Select Volume:

Task 22:

Create a form with a date input field and a time input field. Allow users to choose a specific date and time.

Solution:

```html
<!-- Task_22 -->
<form>
    <h1>Task_22</h1>
    <label for="date"><b>Select Date:</b></label>
    <input type="date" name="date" id="date">
</form>
<form>
    <label for="time"><b>Select Time:</b></label>
    <input type="time" name="time" id="time">
</form>
<hr>
```

Task_22

Select Date: `mm/dd/yyyy` 📅

Select Time: `--:-- --` 🕐

Task 23:

Implement a form with a file input field that allows users to upload a PDF file only.

Solution:

```
<!-- Task_23 -->
<form>
    <h1>Task_23</h1>
    <label for="pdf"><b>Select PDF File:</b></label>
    <input type="file" id="pdf" name="pdf" accept="pdf">
</form>
<hr>
```

Task_23

Select PDF File: Choose File Huzaifa's Resume.pdf

Task 24:

Design a form with a dropdown select element for "Age Group." Include options for "Child," "Teenager," "Adult," and "Senior."

Solution:

```
<!-- Task_24 -->
<form>
    <h1>Task_24</h1>
    <label for="agegroup"><b>Select Age Group:</b></label>
    <select id="dropdown" name="dropdown" width="100px">
        <option id="agegroup" hidden>Age Group</option>
        <option id="child">Child</option>
        <option id="teenager">Teenager</option>
        <option id="adult">Adult</option>
        <option id="senior">Senior</option>
    </select>
</form>
<hr>
```

Task_24

Select Age Group: Age Group ˅
Child
Teenager
Adult
Senior

Task 25:

Create a form with a checkbox for "Subscribe to Newsletter." Include an input field for the user's email address, which should only be enabled when the checkbox is checked.

Solution:

```html
<!-- Task_25 -->
<form>
    <h1>Task_25</h1>
    <label for="subs"><b>Subscribe to Newsletter </b></label>
    <input type="checkbox" id="subs" name="subs" required>
</form>
<form>
    <label for="mail" style="margin-right: 30px;"><B>Email Address:</B></label>
    <input type="email" name="mail" id="mail">
</form>
<hr>
```

Task_25

Subscribe to Newsletter ☑

Email Address: | huzaifa12345612@gmail.cor |

Task 26:

Implement a form with a radio button group for "Preferred Language." Include options for "English," "Spanish," "French," and "German."

Solution:

```
<!-- Task_26 -->
<form>
    <h1>Task_26</h1>
    <label for="lang" style="margin-right: 30px;"><b>Preferred Language:</b></label>
    <label for="eng"></label>English</label>
    <input type="radio" name="lang" id="eng">
    <label for="spa"></label>Spanish</label>
    <input type="radio" name="lang" id="spa">
    <label for="frn"></label>French</label>
    <input type="radio" name="lang" id="frn">
    <label for="ger"></label>German</label>
    <input type="radio" name="lang" id="ger">
</form>
```

Task_26

Preferred Language: English ◉ Spanish ○ French ○ German ○

Task 27:

Design a form with a number input field for "Quantity" and a dropdown select element for "Unit."
Include options for "kg," "lbs," "pieces," and "liters."

Solution:

```
<!-- Task_27 -->
<form>
    <h1>Task_27</h1>
    <label form="quantity">Quantity</label>
    <input type="number" id="quantity" name="quantity" min="0">
    <select>
        <option hidden>Unit</option>
        <option id="kg">kg</option>
        <option id="lbps">lbps</option>
        <option id="pieces">pieces</option>
        <option id="liters">liters</option>
    </select>
</form>
```

Task_27

Quantity 8   Unit ∨

kg
lbps
pieces
liters

Task 28:

Design a form with a checkbox group for "Skills." Include checkboxes for "Programming," "Design," "Communication," and "Leadership."

Solution:

```html
<!-- Task_28 -->
<form>
    <h1>Task_28</h1>
    <label for="skills"><h2>Skills</h2></label>
    <div>
        <label for="prog">Programming</label>
        <input type="checkbox" id="prog" name="prog">
    </div>
    <div>
        <label for="des">Design</label>
        <input type="checkbox" id="des" name="des">
    </div>
    <div>
        <label for="comm">Communication</label>
        <input type="checkbox" id="comm" name="comm">
    </div>
    <div>
        <label for="lead">Leadership</label>
        <input type="checkbox" id="lead" name="lead">
    </div>
</form>
```

Task_28

Skills

Programming ☑
Design ☐
Communication ☑
Leadership ☑

Make sure each form element is properly labeled and has appropriate attributes for validation and usability. Test the forms to ensure they work as expected.