

Lab Exercise: 2. Working with HTML5 Form and Media Elements (Duration: 1.30 hours)

Design a website that conforms to HTML5 standards and has the following elements: doctype, html, title, body, head, div, p, headings, image, anchor, table, audio, video, embed, iframe, form, input, select, progress, fieldset, label, html comment etc..

Write the description of the tags and its syntax by referring w3schools.com.

Your site consists of two pages. First page is a company home page. Second page has a form for the job seekers to submit their resume.

Guidelines for designing the First Page: (home.html)

1. First page has three sections such as header, navigation, content section and footer (**Use table for Layout with border=0**)
2. **Header section:** Header should be at the top of the page. It contains the company name and logo image. Align the text at center using the style “text-align: center”. Align the image at right side using the style “align: right”.
3. **Navigation section:** include the navigation links such as Media Elements (home.html) and Application Form (application.html)
4. **Content section** has four sections.
5. Section 1: Have a banner image fully cover the page width.
6. Section 2: Have two columns
 - In first column display required skill set using progress bar with suitable value and necessary HTML tags.
 - Include the audio in the Second column. The audio will automatically start playing as soon as the page loads without stopping.
7. Section 3: Have two columns (**Embed tag**)
 - Embed PDF document in the first column.
 - Embed the YouTube video in the second column.
8. Section 4: Have two columns
 - Include a video using video tag in the first column. Play the video when the user clicks on the play button.
 - Embed the Google Map in the second column using iframe.
9. **Footer section:** copyright information.

Guidelines for designing the Second Page: (application.html)

1. Second page contains a form to collect the applicant details
2. Have the header and navigation section as in home.html
3. Form design
 - Design a form with an action value of submit.php and method value of "get". Code the form with auto complete active. This form contains both required and optional fields. Asterisk (*) before each field indicates required fields and other fields are optional.
 - Place the form contents inside the fieldset tag and validate the form fields according to the validation rules.
 - Required field should not be empty.
 - Name field you create should have autofocus, placeholder text, and be required.
 - The application number field should have placeholder text, a pattern to restrict entry, and be required. The format is KU20201CS1XXX
 - Password field should have at least 8 characters.
 - The age field should have a minimum value of 18 and a maximum value of 35.
 - The mobile number field should have placeholder text, a pattern to restrict entry. Phone Number is either only 10 numbers or in the format (+91) 99999-99999.
 - The email address field should have placeholder text. This field should also be required. Mail address in the format xxxxxxx@karunya.edu.in.
 - Zip Code is only 6 numbers in the format 999999.
 - The course list should have a dropdown list.
 - Limit the user to choose only jpg and png file. Prevent them from choosing files of any type or extension.
 - Use calendar, checkbox, radio button, textarea, in the necessary places.
 - Finally add a submit button at the end.
4. Appropriate use of HTML comments.
5. Set a background color and text color, align the content in the web page [use style attribute].
6. All HTML pages must pass the official HTML5 specifications via <https://validator.w3.org/>
7. Publish your website live on web using any free web hosting services (000webhost).
8. Use the mockup illustration page given below.

Here is the mockup illustration of the site. Your result should look very close to this mockup.

Company name



[Media elements](#)

[Application Form](#)



Photoshop:

Java:

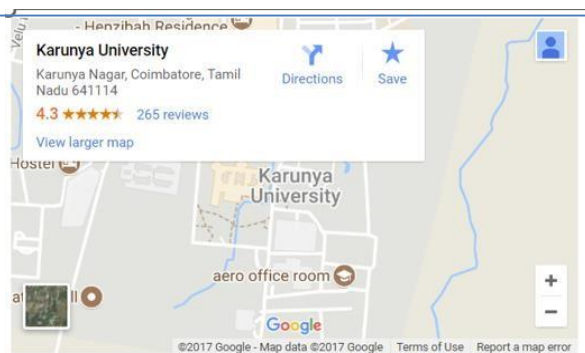
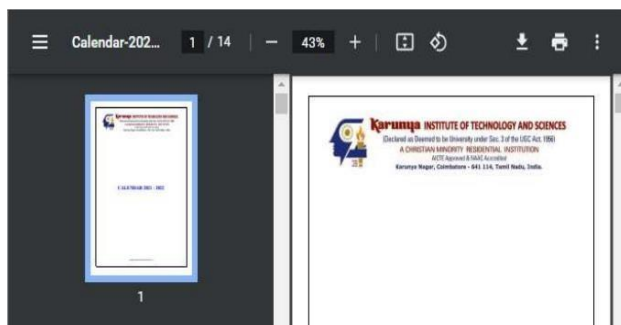
C++:

PHP:

Javascript:

Play Music:

▶ 0:00 / 0:27



Company address

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Company name



[Media elements](#)

[Application Form](#)

Application Form

Name: *

Application Number: *

Password: *

Age: *

Gender:
☐ Male ☐ Female

DOB: *

Mobile: *

Email: *

Address:

Zipcode: *

Languages Known : ☐ English ☐ Tamil ☐ Malayalam ☐ Telugu ☐ Hindi

Select your Course: ▼

Upload your Photo: No file chosen

50% Uploading Completed

Source Code:

INDEX HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>HOME | URK22AI1001</title>
</head>
<body>
  <table style="width: 100%">
    <tr>
      <th style="text-align: center">
        COMPANY NAME
```

```

        </th>
        <th style="text-align: right;">
            
        </th>
    </tr>
</table>
<hr style="background-color:blue; height: 1px;">
<table style="width: 100%" cellpadding="10">
    <tr>
        <th style="text-align: right;">
            <a href="#">MEDIA ELEMENTS</a>
        </th>
        <th style="text-align: left;">
            <a href="application.html" target="_blank">Application form</a>
        </th>
    </tr>
</table>
<hr style="background-color:blue; height: 1px;">
<div class="section1">
<table style="width: 100%">
    <tr>
        <td></td>
    </tr>
</table><hr style="background-color:blue; height: 1px;">
<table style="width: 100%;" cellpadding="10">
    <tr>
        <td>
            <label for="photoshop">Photoshop:</label><br>
            <progress style="background-color: yellow;" id="photoshop" max="100"
value="70"></progress>
        </td><td rowspan="5" align="center">
            <figure>
                <figcaption>Listen to the This music:</figcaption>
                <audio controls src="music.mp3" autoplay>
                    <a href="music.mp3"> Download audio </a>
                </audio>
            </figure>
        </td>
    </tr>
    <tr>
        <td>
            <label for="java">Java:</label><br>
            <progress style="background-color: yellow;" id="java" max="100"
value="90"></progress>
        </td>
    </tr>
    <tr>
        <td>
            <label for="c++">C++:</label><br>
            <progress style="background-color: yellow;" id="c++" max="100"
value="80"></progress>
        </td>
    </tr>
    <tr>
        <td>
            <label for="python">Python:</label><br>
            <progress style="background-color: yellow;" id="python" max="100"
value="60"></progress>
        </td>
    </tr>
    <tr>
        <td>
            <label for="perl">Perl:</label><br>
            <progress style="background-color: yellow;" id="perl" max="100"
value="50"></progress>
        </td>
    </tr>
</table>

```

```

</tr>
<tr>
  <td>
    <label for="php">PHP:</label><br>
    <progress style="background-color: yellow;" id="php" max="100"
value="30"></progress>
  </td>
</tr>
<tr>
  <td>
    <label for="javascript">JavaScript:</label><br>
    <progress style="background-color: yellow;" id="javascript" max="100"
value="40"></progress>
  </td>
</tr>
</table>
<hr style="background-color:blue; height: 1px;">
<table style="width: 100%;">
  <tr>
    <td>
      <object data="https://www.buds.com.ua/images/Lorem_ipsum.pdf"
type="application/pdf" width="600" height="400">

      </object>
    </td>
    <td>
      <iframe src="https://www.youtube.com/embed/QC8iQqtG0hg?si=YL2Uoslq8XzOrhoH"
width="600" height="400">

      </iframe>
    </td>
  </tr>
</table>
<hr style="background-color:blue; height: 1px;">
<table style="width: 100%;">
  <tr>
    <td>
      <video width="600" height="400" controls>
        <source src="video.mp4" type="video/mp4">
      </video>
    </td>
    <td>
      <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3958.165715126403!2
d76.74148607509093!3d10.936163989222461!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!
3m3!1m2!1s0x3ba866984c5e5217%3A0xca6b2605302f9bb4!2sKarunya%20Computer%20
Technology%20Centre!5e1!3m2!1sen!2sin!4v1703525901975!5m2!1sen!2sin" width="600"
height="500" frameborder="0"></iframe>
    </td>
  </tr>
</table>
<hr style="background-color:blue; height: 1px;">
<h4>Company Address</h4>

```

```
<p>@ 2023-2024 (URK22AI1001) - Web Technology Lab. All rights reserved.</p>
<hr style="background-color:blue; height: 1px;">
</div>
</body>
</html>
```

APPLICATION HTML CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>APPLICATION FORM | URK22AI1001</title>
</head>

<body>
  <table style="width: 100%">
    <tr>
      <th style="text-align: center;">
        COMPANY NAME
      </th>
      <th style="text-align: right;">
        
      </th>
    </tr>
  </table>
  <hr style="background-color:blue; height: 1px;">
  <table style="width: 100%" cellpadding="10">
    <tr>
      <th style="text-align: right;">
        <a href="index.html">MEDIA ELEMENTS</a>
      </th>
      <th style="text-align: left;">
        <a href="application.html" target="_blank">Application form</a>
      </th>
    </tr>
  </table>

  <hr style="background-color:blue; height: 1px;">
  <form action="submit.php" method="get">
    <fieldset style="text-align: center;">

      <legend align="center">
        Application form
      </legend>
      <table style="width: 100%; text-align: center;">
```

```

<tr>
  <td>
    <label for="name">Name:</label>
    <input id="name" type="text" placeholder="Enter the Name" required>
  </td>
</tr>
<tr>
  <td>
    <label for="appno">Application NO:</label>
    <input type="text" placeholder="KU2021CSxxxx" pattern="KU2021CS\d{4}"
required>
  </td>
</tr>
<tr>
  <td>
    <label for="pass">Password:</label>
    <input type="password" placeholder="Enter your password" required
minlength="10" maxlength="10">
  </td>
</tr>
<tr>
  <td>
    <label for="age">Age:</label>
    <input type="number" min="19" max="24" placeholder="19-24" required>
  </td>
</tr>
<tr>
  <td>
    Gender:
    <label for="gen1">Male</label>
    <input type="radio" name="gender" id="gen1">
    <label for="gen2">Female</label>
    <input type="radio" name="gender" id="gen2">
  </td>
</tr>
<tr>
  <td>
    <label for="dob">Date of birth:</label>
    <input type="date" id="dob" placeholder="mm-dd-yyyy" required>
  </td>
</tr>
<tr>
  <td>
    <label for="numb">Phone number:</label>
    <input type="text" id="numb" placeholder="+919999999999"
pattern="\+[d{2}[0-9]{10}" maxlength="13" required >
  </td>
</tr>
<tr>
  <td>
    <label for="mailid">Email:</label>

```



```

        <input type="email" id="mailid" placeholder="xxxxxxxxxxx.karunya.edu.in"
pattern="[a-zA-Z0-9]+@karunya\.edu\.in" required>
    </td>
</tr>
<tr>
<td>
    <label for="address">Address:</label>
    <textarea type="text" id="address" rows="4" cols="25"></textarea>
</td>
</tr>
<tr>
<td>
    <label for="zip">Zipcode:</label>
    <input type="text" name="zipcode" id="zip" placeholder="999999"
minlength="6" maxlength="6" required>
</td>
</tr>
<tr>
<td>
    Language Known:
    <label for="check1">English</label>
    <input type="checkbox" name="chg" id="check1">
    <label for="check2">Tamil</label>
    <input type="checkbox" name="chg" id="check2">
    <label for="check3">Malayalam</label>
    <input type="checkbox" name="chg" id="check3">
    <label for="check4">Telugu</label>
    <input type="checkbox" name="chg" id="check4">
    <label for="check5">Hindi</label>
    <input type="checkbox" name="chg" id="check5">
</td>
</tr>
<tr>
<td>
    <label for="dd">select your Courses:</label>
    <select name="Courses" id="dd">
        <option value="B.Tech Computer science and engineering">B.Tech
Computer science and engineering</option>
        <option value="B.Tech Artificial Intelligence and datascience">B.Tech
Artificial Intelligence and datascience</option>
    </select>
</td>
</tr>
<tr>
<td>
    <label for="file">Upload file:</label>
    <input type="file" accept=".pdf, .docx, .doc">
</td>
</tr>
<tr>
<td>
    <progress max="100" value="50"></progress>50% Uploading Status</td>

```

```
        </tr>
      <tr>
        <td>
          <input type="submit" value="Submit">
        </td>
      </tr>
    </table>
  </fieldset>
</form>

</body>

</html>
```

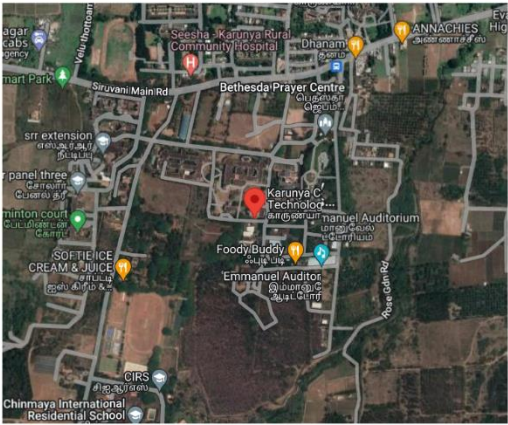
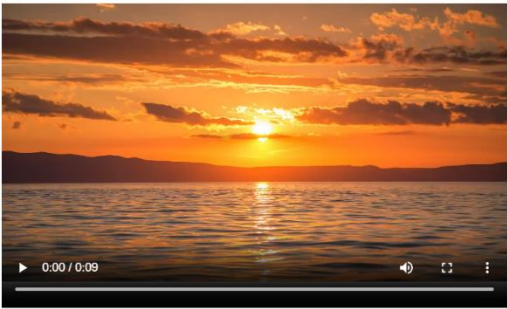
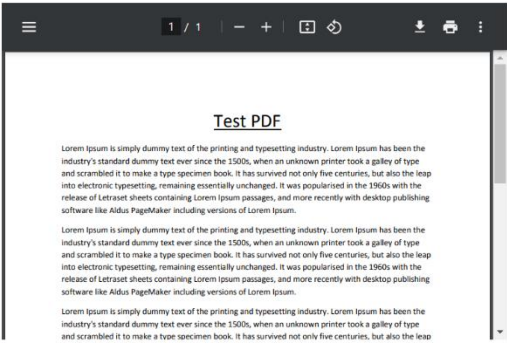
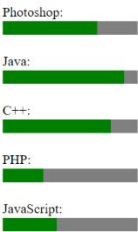
Output:

MEDIA ELEMENTS:

COMPANY NAME



[MEDIA ELEMENTS](#) [Application form](#)



Company Address

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APPLICATION FORM:

COMPANY NAME



[MEDIA ELEMENTS](#) [Application form](#)

Application form

Name:

Application NO:

Password:

Age:

Gender: Male ☐ Female ☐

Date of birth:

Phone number:

Email:

Address:

Zipcode:

Language Known: English ☐ Tamil ☐ Malayalam ☐ Telugu ☐ Hindi ☐

select your Courses:

Upload file: No file chosen

50% Uploading Status

Result:

Designing a website using HTML5 standards and having the following elements: doctype, html, title, body, head, div, p, headings, image, anchor, table, audio, video, embed, iframe, form, input, select, progress, fieldset, label, and html comment has been successfully executed.

