WEB TECHNOLOGY(LAB)

Lab 4 Task

(BSCS)

By

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Lab 4: Forms & Multimedia

Objectives Recap

- **Create an accessible HTML feedback form.**
- **Embed audio and video.**
- **Use for basic static drawing.**

Tools Required

- **VS Code (code editor)**
- **Live Server (for preview)**
- **W3C Validator (for form validation)**

Step 1: Create the HTML Structure

Code:

```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <title>Lab 4: Feedback Form & Multimedia</title>
6  </head>
7  <body>
8  <h1>Feedback Form</h1>
9  <form action="#" method="post">
10 <!-- Name Input -->
11 <label for="name">Name:</label>
12 <input type="text" id="name" name="name" required placeholder="Enter your
13 name"><br><br>
14 <!-- Email Input -->
15 <label for="email">Email:</label>
16 <input type="email" id="email" name="email" required placeholder="Enter
17 your email"><br><br>
18 <!-- Gender Radio Buttons -->
19 <label>Gender:</label>
20 <input type="radio" id="male" name="gender" value="male">
21 <label for="male">Male</label>
22 <input type="radio" id="female" name="gender" value="female">
23 <label for="female">Female</label><br><br>
24     <!-- Interests Checkboxes -->
25     <label>Interests:</label>
26     <input type="checkbox" id="coding" name="interest" value="coding">
27     <label for="coding">Coding</label>
28     <input type="checkbox" id="design" name="interest" value="design">
29     <label for="design">Design</label><br><br>
30
31     <!-- Select Dropdown -->
32     <label for="experience">Experience Level:</label>
33     <select id="experience" name="experience">
34       <option value="">Select</option>
35       <option value="beginner">Beginner</option>
36       <option value="intermediate">Intermediate</option>
37       <option value="advanced">Advanced</option>
38     </select><br><br>
39
40     <!-- Textarea -->
41     <label for="comments">Comments:</label><br>
42     <textarea id="comments" name="comments" rows="4" cols="50"
43 placeholder="Your feedback..."></textarea><br><br>
44
45     <!-- Submit Button -->
46     <input type="submit" value="Submit">
47   </form>
```

Output:

Feedback Form

Name: [Enter your name]

Email: [Enter your email]

Gender: ○ Male ○ Female

Interests: ☐ Coding ☐ Design

Experience Level: [Select ▾]

Comments:
[Your feedback...]

[Submit]

Step 2: Embed Audio and Video

- **Multimedia Demo**
- **Your browser does not support the audio element.**
- **Your browser does not support the video tag.**

Code:

```
index.html          audio&video.html U ✕       task4_video.mp3

Lab_Tasks > Task_4 > <> audio&video.html > ⊘ html
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Audio & Video </title>
7    </head>
8
9    <body>
10       <h2>Multimedia Demo</h2>
11       <!-- Audio -->
12       <audio controls>
13           <source src="../../assets/task4_audio.mp3" type="audio/mpeg">
14           Your browser does not support the audio element.
15       </audio><br><br>
16
17       <!-- Video -->
18       <video width="320" height="240" controls>
19           <source src="../../assets/task4_video.mp4" type="video/mp4">
20           Your browser does not support the video tag.
21       </video><br><br>
22   </body>
23   </html>
```

Output:

Step 3: Add Canvas Drawing

Canvas Demo

Code:

```html
<> canva.html > ⬡ html > ⬡ body > ⬡ script
1    <!DOCTYPE html>
2    <html lang="en">
3
4    <head>
5        <meta charset="UTF-8">
6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
7        <title>Canva</title>
8    </head>
9    <body>
10       <h2>Canvas Demo</h2>
11       <canvas id="myCanvas" width="200" height="100" style="border:1px solid
12   #000000;"></canvas>
13       <script>
14           const canvas = document.getElementById("myCanvas");
15           const ctx = canvas.getContext("2d");
16           ctx.fillStyle = "#FF0000";
17           ctx.fillRect(20, 20, 150, 50); // Draw a red rectangle
18       </script>
19   </body>
20
21   </html>
22   </body>
23
24   </html>
```
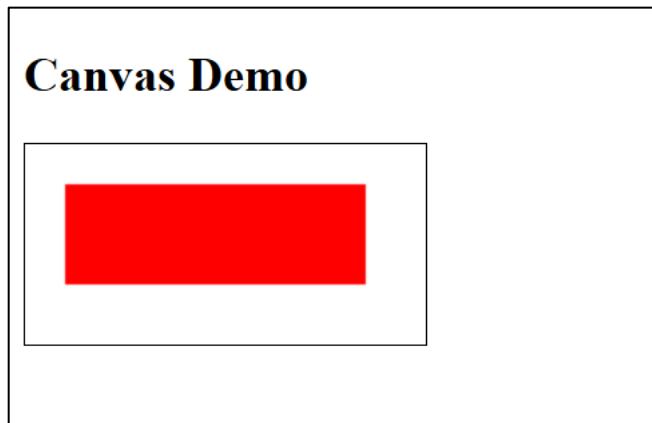
Output:

Final Deliverables

- **feedback-form.html with:**
- **Accessible form (labels, placeholders, validation)**
- **Embedded audio and video**
- **Canvas with static drawing**

CONCLUSION:

 This lab helped me understand how to create interactive and accessible web pages using HTML forms, multimedia, and canvas elements. I successfully embedded audio, video, and drew simple graphics on the canvas. Overall, the activity improved my practical skills in form design and multimedia integration.

RUBRICS:

Performance			Lab Report		
Description	**Total Marks**	**Marks Obtained**	**Description**	**Total Marks**	**Marks Obtained**
Ability to Conduct practical	5		**Structure**	5	
Data Analysis & Interpretation	5		**Efficiency**	5	
Total Marks obtained			**Total Marks Obtained**		

Instructor Signature ⎯⎯⎯⎯⎯⎯⎯⎯⎯