

Lahore Garrison University

DHA Phase 6 Lahore

Lab Task 4



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Section	G
Subject	Web Technologies Lab
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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:

```
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:

Email:

Gender: ☐ Male ☐ Female

Interests: ☐ Coding ☐ Design

Experience Level:

Comments:

Your feedback...

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 X  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:



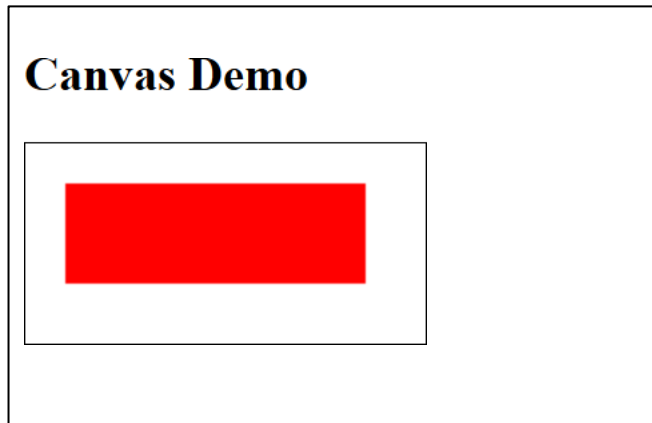
Step 3: Add Canvas Drawing

Canvas Demo

Code:

```
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**

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file **audio&video.html** (checked with vnu 25.10.16)

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 2 milliseconds.

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 _____