

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 <!-- Select Dropdown -->
31 <label for="experience">Experience Level:</label>
32 <select id="experience" name="experience">
33 <option value="">Select</option>
34 <option value="beginner">Beginner</option>
35 <option value="intermediate">Intermediate</option>
36 <option value="advanced">Advanced</option>
37 </select><br><br>
38 <!-- Textarea -->
39 <label for="comments">Comments:</label><br>
40 <textarea id="comments" name="comments" rows="4" cols="50"
41 placeholder="Your feedback..."></textarea><br><br>
42 <!-- Submit Button -->
43 <input type="submit" value="Submit">
44 </form>
```

Output:

Feedback Form

Name:

Email:

Gender: Male Female

Interests: Coding Design

Experience Level:

Comments:

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:



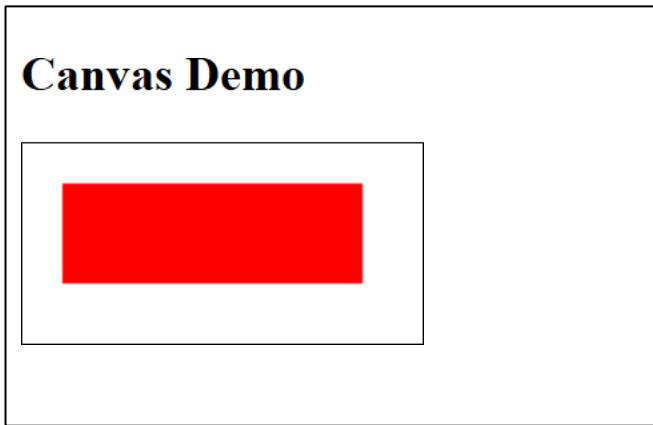
Step 3: Add Canvas Drawing

Canvas Demo

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>canva</title>
</head>
<body>
    <h2>Canvas Demo</h2>
    <canvas id="myCanvas" width="200" height="100" style="border:1px solid black;"></canvas>
    <script>
        const canvas = document.getElementById("myCanvas");
        const ctx = canvas.getContext("2d");
        ctx.fillStyle = "#FF0000";
        ctx.fillRect(20, 20, 150, 50); // Draw a red rectangle
    </script>
</body>
</html>
```

Output:



Final Deliverables

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

A screenshot of the "Nu Html Checker" tool. The interface has a blue header bar with the title. Below it, a message states: "This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change". It shows the results for an uploaded file named "audio&video.html" checked with vnu 25.10.16. The checker input section includes options for "Show" (source, outline, image report) and "Options...". It also features a "Check by" dropdown set to "file upload" with a "Choose file" button and a message "No file chosen". A note says "Uploaded files with .xhtml or .xht extensions are parsed using the XML parser." and a "Check" button. At the bottom, a green bar indicates "Document checking completed. No errors or warnings to show." and provides parser information: "Used the HTML parser." and "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 _____