Green University of Bangladesh

Department of Computer Science and Engineering (CSE)
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My Porfolio Website Using Html And Css

Course Title: Web Programming Lab
Course Code: CSE 302
Section: 213 D11

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Lab Report Status	
Marks:	**Signature:**
Comments:	**Date:**

1 Creating My Portfolio Website Using HTML and CSS

Designing my own website with HTML and CSS, showcasing my creativity. Dive into my portfolio, where my skills and interests come to life.

2 Objectives

The objectives as follows:

- Gain practical experience in HTML and CSS by building a personal portfolio website.

- Analyze the choices made for the website's design, like how it looks, the fonts used, the colors, and the interactive parts, and explain how these choices affect how users interact with it.

- Showcase personal background, interests, and skills effectively to engage visitors

- Learn CSS styling techniques such as flexbox, box shadow, and transitions to enhance the visual appeal of the website.

- Practice integrating multimedia elements like images, audio, and video to create engaging and dynamic web content.

- Organize content logically, including sections for introduction, portfolio showcase, course details, and schedule.

The objective of this project is to create a visually appealing and user-friendly portfolio website using HTML and CSS. Through strategic organization of content and multimedia elements, the aim is to effectively showcase the individual's skills, interests, and aspirations to visitors.

3 Procedure

3.1 HTML Part:

1. Structure the Document: Begin by setting up the basic structure of the HTML document with the <!DOCTYPE html> declaration and the <html>, <head>, and <body> elements.

2. Meta Information: Inside the <head> section, include meta tags for character set, viewport settings, and page title using <meta> elements.

3. Content Sections: Within the <body> element, define various sections such as header, introduction, portfolio showcase, courses, routine, and footer using appropriate semantic elements like <header>, <section>, <footer>, etc.

4. Text and Multimedia Content: Populate each section with relevant content, including text paragraphs, headings, images, audio, and video elements as needed. Use descriptive alt attributes for multimedia content.

5. Hyperlinks: Include hyperlinks to external resources such as GitHub profile or email contact using <a> elements wrapped around appropriate text or buttons.

6. Lists and Tables: If applicable, include lists (<ul>, <ol>, <li>) or tables (<table>, <tr>, <td>) to organize and present data, such as course details or schedules.

3.2 CSS Part:

1. Universal Reset: Start by resetting default browser styles using the universal selector * to remove padding, margin, and outline.

2. Body Styles: Set the background color and margin for the entire document body to create the desired layout.

3. Container Styling: Define styles for the main container element to control its width, alignment, background color, and box shadow.

4. Section Styles: Apply styles to individual sections like header, details, album, courses, routine, and footer to define their appearance, layout, and spacing.

5. Text and Typography: Specify font sizes, styles, colors, and alignment for text elements within each section to ensure readability and consistency.

6. Button and Link Styling: Customize the appearance of buttons and hyperlinks, including background color, padding, border radius, and hover effects to make them visually appealing and interactive.

7. Media Element Styling: Style audio and video elements to control their dimensions, alignment, and appearance within the layout.

8. Finishing Touches: Add any additional styling enhancements, such as box shadows, borders, or transitions, to polish the overall look and feel of the website.

By following these step-by-step procedures for both the HTML and CSS parts, we can effectively create a well-structured and visually appealing portfolio website.

4 Implementation

4.1 HTML AND CSS MAIN PARTS:


```html
<div class="desc">
        <p>Hello, everyone! My name is Md. Naimul Islam, and I'm
            thrilled to have this opportunity to share a bit
            about
            myself with you.I hail from the picturesque city of
            Cumilla, a place filled with rich culture and
            warm-hearted people.Currently, I'm residing in the
            vibrant city of Dhaka, specifically in Purbachal.
         </p>
        <button class="github"><a
            href="https://github.com/Arafahmed1314">Github</a></button>
        <button class="mail"><a
            href="mailto:nayemhasan1314@gmail.com">Contact
            Me</a></button>
```

Figure 01: Heading Portion of Html


```html
<div class="album">
        <h1>MY ALBUM</h1>

        <div class="audio_video">
            <div class="audio">
                <h1 class="heading">My Audio</h1>

                <audio src="bird_audio.mp3" controls></audio>
            </div>
            <div class="video">
                <h1 class="heading">My Video</h1>
                <video src="bird_video.mp4" controls></video>
            </div>

        </div>
```

Figure 02: Audio and Video Part of Html

```
1  <div class="courses">
2      <h1>MY COURSES</h1>
3      <div class="lists">
4          <ol>
5              <li>CSE:
6                  <dl>
7                      <dt>CSE 302: </dt>
8                      <dd>web programming lab classes provide a
9                          structured environment for students to
10                         gain
11                         practical experience in developing web
12                         applications, preparing them for careers
13                         in
14                         web development or related fields. These
15                         hands-on labs complement theoretical
16                         knowledge gained in lectures, helping
17                         students become proficient web
18                         developers
19                         capable of tackling real-world
20                         challenges in
21                         the ever-evolving landscape of web
22                         technologies.
23
24                     </dd>
25
```

Figure 03: List Part of Html

```
1  <div class="routine">
2                      <h1>MY ROUTINE</h1>
3                      <table border="1">
4                          <tr>
5                              <th>Formal Code</th>
6                              <th>Course title </th>
7                              <th>Section </th>
8                              <th>Day </th>
9                              <th>Room </th>
10                             <th>Time Slot </th>
11                         </tr>
12                         <tr>
13                             <td rowspan="2">CSE 307-CSE(181)</td>
14                             <td rowspan="2">Data Communication</td>
15                             <td rowspan="2">221_D7</td>
16                             <td>Wed</td>
17                             <td>J101</td>
18                             <td>11:00:AM-1:15:PM</td>
19                         </tr>
```
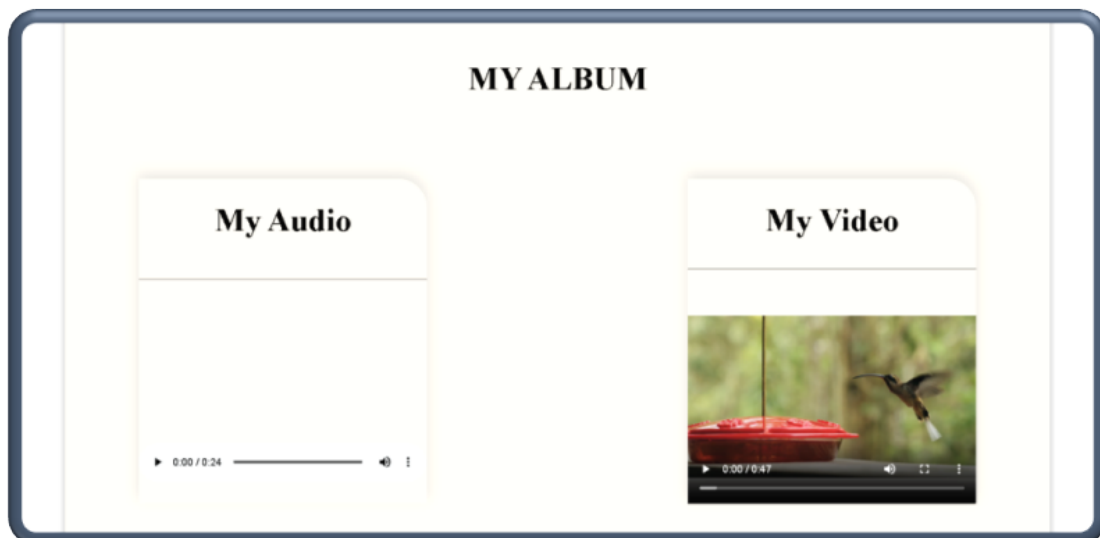
Figure 04: Routine Part of Html

```
1  video,.audio{
2      width: 400px;
3      height: 450px;
4  display: flex;
5  flex-direction: column;
6  justify-content: space-between;
7  align-items: center;
8  box-shadow: rgba(100, 100, 111, 0.2) 0px -7px 19px 0px;
9  border-radius: 0 40px 0 0;
10  }
11
```

Figure 05: Audio and Video Part of Css

```
1   .routine{
2       display: flex;
3   justify-content: center;
4   align-items: center;
5   flex-direction: column;
6   height: 100vh;
7   }
8   .routine th ,td{
9       padding: 10px 30px;
10      font-size: 19px;
11  }
```

Figure 06: Routine Part of Css

5 Result

Here's The Outcome Of My Portfolio.

Figure 01: About Me

Figure 02: My Audio And Video

Figure 02: Course Lists

Figure 02: Class Routine

6 Analysis and Discussion

1. HTML Structure: The HTML structure follows best practices, utilizing semantic elements like <header>, <section>, <footer>, etc., to organize content logically. This ensures better accessibility and SEO.

2. Meta Information: Proper meta tags are included in the <head> section for character set, viewport settings, and page title, improving search engine visibility and browser compatibility.

3. External Resources: External CSS stylesheet(s) and resource files are linked appropriately, reducing redundancy and improving page load times.

4. Content Sections: The website is divided into clear sections, such as introduction, portfolio showcase, courses, routine, etc., making it easy for visitors to navigate and find relevant information.

5. Text and Multimedia Content: Text content is well-written and informative, providing visitors with insights into the individual's background, interests, and aspirations. Multimedia elements like images, audio, and video enhance engagement and visual appeal.

6. Lists and Tables: The inclusion of lists and tables, such as course details or schedules, provides organized presentation of data. However, it's essential to ensure clarity and readability, especially for tables containing complex information.

7. CSS Styling: The CSS styles effectively enhance the visual presentation of the website, including layout, typography, colors, buttons, and media elements. However, it's crucial to maintain consistency and coherence throughout the design.

8. Usability and Accessibility: Overall, the website appears user-friendly and accessible, with clear navigation and well-organized content. However, it's important to consider accessibility standards and conduct usability testing to ensure an optimal user experience for all visitors.

In conclusion, while the HTML and CSS code effectively create a visually appealing and well-structured portfolio website, there are opportunities for further optimization and refinement, particularly in terms of accessibility, usability, and responsiveness. Regular evaluation and updates based on user feedback and evolving web standards can help enhance the overall quality and effectiveness of the website.

7   Summary

The portfolio website, crafted with HTML and CSS, presents a comprehensive overview of the individual's background, interests, and aspirations. Utilizing semantic HTML elements and proper meta tags, the site ensures accessibility and search engine visibility. Through well-organized sections like introduction, portfolio showcase, courses, and routine, visitors can easily navigate and explore relevant content. Multimedia elements, including images, audio, and video, enrich the user experience and engagement. Strategic placement of hyperlinks allows convenient access to external resources such as GitHub profiles and email contacts. While the CSS styling enhances visual appeal and responsiveness across different devices, ongoing attention to usability and accessibility remains crucial for optimizing user experience. Overall, the portfolio website serves as an effective digital representation, encapsulating the individual's skills, achievements, and ambitions..