

Hands-on Activity 2.1 Enhancing Web Presentation	
Course Code: CPE025B	Program: BSCPE
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1. Discussion	
Discuss here the relevant concepts of the activity in your own words.	
3. Procedure	
3.8.1 Harmony Heights: The Official Band Page	
<p>Scenario</p> <p>You've been approached by "Harmony Heights," an emerging band known for their eclectic mix of genres and compelling live performances. As they prepare to broaden their audience and establish a stronger online presence, they need a dynamic and engaging official webpage. This page will serve as a central hub for fans to explore the band's music, learn about band members, view upcoming show dates, and connect with the band.</p> <p>Your task is to craft a webpage that reflects the band's vibrant personality and musical diversity, incorporating multimedia elements such as images, music samples, videos of performances, and a contact form for booking inquiries or fan messages.</p> <p>Instructions</p> <p>Follow the instructions below to create the webpage step by step:</p> <p>1. Initial Setup</p> <ul style="list-style-type: none"> Start by creating a new HTML file named <i>harmony-heights.html</i>. Use the HTML5 doctype and include the basic HTML structure (<html>, <head>, <body> tags) Specify the language as English using the <i>lang</i> attribute. <p>2. Head Section</p> <ul style="list-style-type: none"> Title the webpage "Harmony Heights: Feel the Music". Add meta tags for a brief description of the band (set the <i>content</i> attribute to "Official webpage of Harmony Heights, featuring our latest music, tour dates, and exclusive content for our fans.") and set the <i>charset</i> to UTF-8. <p>3. Body Section: Band Introduction</p> <ul style="list-style-type: none"> Introduce the band with an <h1> tag ("Welcome to Harmony Heights"), followed by a captivating paragraph about their musical journey: "We are Harmony Heights, a band that blends genres to create unique sounds. Our journey through music has been incredible, and we're excited to share it with you." Include professional photos of the band and individual members using the tag, emphasizing the importance of the <i>alt</i> attribute for accessibility: <ul style="list-style-type: none"> The first photo – source: 	

"https://edube.org/uploads/media/default/0001/04/band-photo.jpg", alt text: "Harmony Heights Band Photo".

- The second photo – source:
"https://edube.org/uploads/media/default/0001/04/member1-amy.jpg", alt text: "Harmony Heights Vocals/Sampling: Amy Duncan".
- The third photo – source:
"https://edube.org/uploads/media/default/0001/04/member2-john.jpg", alt text: "Harmony Heights Bass/Guitars: John Smith".
- The fourth photo – source:
"https://edube.org/uploads/media/default/0001/04/member3-trevor.jpg", alt text "Harmony Heights Drums: Trevor G."

4. Music and Video Showcases

- **Audio**

- Add an `<h2>` element with the following content: "Listen to Our Latest Tracks". Feature a selection of the band's latest tracks using the `<audio>` tag, allowing fans to listen directly from the site. Include the *controls* attribute.
- Set the *src* attribute of the `<source>` tag to the path of the audio file:
"https://edube.org/uploads/media/default/0001/04/track1.mp3". Then, set the *type* attribute to "audio/mpeg". If the browser does not support the `<audio>` tag, the following text should be displayed: "Your browser does not support the audio element."

- **Video**

- Add an `<h2>` element with the following content: "Watch Our Performances". Embed a video of live performances or music videos using the `<video>` tag, showcasing the band's stage presence and engagement with their audience. Include the *controls* attribute.
- Set the *src* attribute of the `<source>` tag to the path of the audio file:
"https://edube.org/uploads/media/default/0001/04/performance1.mp4". Then, set the *type* attribute to "video/mp4". If the browser does not support the `<video>` tag, the following text should be displayed: "Your browser does not support the video element."

5. Tour Dates and Band News

- Add an `<h2>` element with the following content: "Upcoming Tour Dates". Then, create an unordered list to display upcoming tour dates and locations:
 - The first listed item – "March 12, 2029, Orlando, FL", with the URL of the ticket purchasing website "https://example.com/purchase-tickets-harmony-heights-orlando", and the link text "Get Tickets".
 - The second listed item – "March 14, 2029, Salt Lake City, UT", with the URL of the ticket purchasing website "https://example.com/purchase-tickets-harmony-heights-slc", and the link text "Get Tickets".
- Include the *target* attribute within the `<a>` tag, and assign the appropriate value to it, which instructs the browser to open the link in a new tab or window.

6. Connect with the Band

- Add an `<h2>` element with the following content: "Follow Us". Underneath, create a paragraph to provide a short message: "Stay updated with our latest news and releases:".
- **Insert Social Media Links** – create a section for fans to follow the band on social media, using hyperlinks to direct users to the band's official social media pages:
 - Link to the band's Facebook profile ("https://www.example.com/facebook/hh"). Between

the opening and closing `<a>` tags, place the text "Facebook". After the Facebook link, add a line break to ensure the next link appears on a new line.

- Repeat this process for the band's Instagram and Twitter profiles, adjusting the URLs and link texts accordingly. For Instagram, use and for Twitter use

7. Create a Contact Form

- Implement a simple contact form at the bottom of the page for fans to send messages to the band or inquire about booking. The form should include fields for the user's name, email, subject, and message, along with a submit button. Begin by introducing the contact section – use an `<h2>` tag to create a heading, and inside the `<h2>` tags, insert the text "Contact Us".
- Directly below the heading, initiate a form by adding the `<form>` tag, and create input fields for user information:
 - **Name Field** – begin with a `<label>` tag for the user's name. Use the *for* attribute with a value of "name" to associate the label with the input field. Inside the `<label>` tags, type "Name:". Insert a line break to ensure the input field appears on a new line. Then, add an `<input>` tag for the name input field. Set the *type* attribute to "text", the *id* to "name", and the name to "name" as well. Follow the input field with another line break.
 - **Email Field** – repeat the label and input field process for the email address. Use a `<label>` with *for*="email" and type "Email:" inside. Use an `<input>` tag for the email input field, setting *type* to "email", *id* to "email", and *name* to "email". Add line breaks for spacing.
 - **Subject Field** – for the subject of the message, again use a `<label>` tag with *for*="subject" and include "Subject:" as the label text. Create an `<input>` field for the subject, setting *type* to "text", *id* to "subject", and *name* to "subject". Add line breaks for spacing.
- **Add a Textarea for the Message** – use a `<label>` tag for the message area, with *for*="message", and type "Message:" as the label text. After the label, insert a line break. Introduce a `<textarea>` tag for the message input, assigning *id* to "message" and *name* to "message". Place another line break tag for spacing.
- **Include a Submit Button** – add an `<input>` tag and set *type* to "submit" and *value* to "Send". Close the `<form>` tag.

8. Testing and Review

- Review your webpage to ensure that all multimedia content is properly displayed and functional.
- Experiment and Customize – Feel free to explore further by integrating more content or features to enrich your webpage according to your preferences.

4. Output

Sunnydale School

127.0.0.1:5500/HOA2.1/output.html

Summarize

Sunnydale School

Welcome to Sunnydale School, dedicated to fostering a love of learning in every student.

Mission Statement

Our mission is to provide a quality education that prepares all children for a successful future.


Upcoming Events

- Science Fair - **June 10**
- Art Exhibition - **June 15**
- Sports Day - **June 20**


Contact Us

Email: info@sunnydaleschool.com
Phone: 555-1234

5. Supplementary Activity

 OhioSkool University

Home Programs About Contact



Engineering the Future

OhioSkool University is a center of excellence in engineering, technology, and innovation preparing students to lead in a rapidly evolving digital world.

About OhioSkool University

Established in 1920, OhioSkool University has stood the test of time as a premier institution dedicated to shaping bright minds and advancing knowledge. It has helped develop a strong foundation in engineering and technology in which it fosters the communities lead in innovation, research and academics.

Both locally and internationally, the institution has proven its competence in various fields and contiously delivers quality eduacation for all. Through industry-aligned programs and a commitment to lifelong learning, OhioSkool empowers students to become problem-solvers, innovators, and future leaders in a rapidly evolving world.



Our Vision

To be a leading institution in engineering and technology education, producing globally competitive innovators, researchers, and problem-solvers who drive technological advancement and societal progress.

Our Mission

OhioSkool University is committed to delivering high-quality engineering and technology education through hands-on learning, research-driven instruction, and industry-aligned programs that equip students with technical expertise, critical thinking, and ethical responsibility.

Academic Programs

Computer Engineering

Focuses on the design and development of computer systems, hardware-software integration, embedded systems, and intelligent technologies.

Electrical Engineering

Emphasizes power systems, electronics, control systems, and sustainable energy solutions for modern industries.

Mechanical Engineering

Develops expertise in machine design, automation, robotics, and advanced manufacturing technologies.

Mechanical Engineering

Develops expertise in machine design, automation, robotics, and advanced manufacturing technologies.

Information Technology

Covers software development, cybersecurity, data analytics, and network infrastructure in a digital-driven world.

Civil Engineering

Prepares students to design, build, and maintain sustainable infrastructure and smart cities.

Artificial Intelligence & Data Science

Explores machine learning, data modeling, and intelligent systems powering future technologies.

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Conclusion

After performing this activity I was able to learn more about styling my html website. For this activity I was able to use more of the div tag in order to properly divide and arrange my design on the website. I learned how to utilize the style tags and event tags. For this activity I used different websites as references for creating the layout of the school website. I tried to follow a clean ui design which uses minimal elements on the web page. This is where I used more div tags to keep the different elements in place neatly. Also I use simple hover animation just in the style to make the web site elements stand out.