



## Welcome to this session: Task Walkthrough 1-4

**The session will start shortly...**

Questions? Drop them in the chat.  
We'll have dedicated moderators  
answering questions.



# Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:



Ian Wyles  
Designated Safeguarding  
Lead



Simone Botes



Nurhaan Snyman



Rafiq Manan



Ronald Munodawafa



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Safeguarding Lead:  
Ian Wyles

[safeguarding@hyperiondev.com](mailto:safeguarding@hyperiondev.com)

# Skills Bootcamp Cloud Web Development

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- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly. **(Fundamental British Values: Mutual Respect and Tolerance)**
- No question is daft or silly - **ask them!**
- There are **Q&A sessions** midway and at the end of the session, should you wish to ask any follow-up questions. Moderators are going to be answering questions as the session progresses as well.
- If you have any questions outside of this lecture, or that are not answered during this lecture, please do submit these for upcoming Academic Sessions. You can submit these questions here: **Questions**

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- For all **non-academic questions**, please submit a query:  
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- We would love your feedback on lectures: [Feedback on Lectures](#)
- Find all the lecture **content** in your [Lecture Backpack](#) on GitHub.
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.



# Which HTML element is best for grouping related content?

- A. `<div>`
- B. `<span>`
- C. `<section>`
- D. `<article>`



# What does the **box-shadow** property do in CSS?

- A. Adds an image background.
- B. Applies a shadow effect to elements.
- C. Adjusts the border thickness.
- D. Sets the box's display type.

## Learning Outcomes

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- ❖ Structure a profile card using semantic HTML elements.
- ❖ Style a profile card using CSS, including flexbox for layout.
- ❖ Implement reusable CSS variables for consistency.
- ❖ Use CSS properties like **box-shadow**, **border-radius**, and **transform** to enhance the design.
- ❖ Create a responsive design using media queries.



# Lecture Overview

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- Presentation of the Task
- HTML Structure
- Styling with CSS
- Adding Responsiveness
- Q&A and Recap





## Building a Profile Card with HTML and CSS

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- ❖ Why Profile Cards?
  - Frequently used in portfolios, social media, and business websites.
  - Provides a concise and visually appealing way to display information.
- ❖ What We'll Build:
  - A fully styled, responsive profile card using only HTML and CSS.



**John Doe**

Web Developer

Passionate about creating engaging web experiences.

# HTML Skeleton for the Profile Card

```
<div class="profile-card">
  
  <h2 class="profile-name">John Doe</h2>
  <p class="profile-role">Web Developer</p>
  <p class="profile-bio">Passionate about creating engaging web experiences.</p>
</div>
```

# Core CSS Properties

- ❖ display: flex:
  - For layout alignment.
- ❖ box-shadow:
  - Adds depth with shadows.
- ❖ border-radius:
  - Creates rounded corners.
- ❖ CSS Variables (--primary-color, etc.) for consistency.

```
/* Profile Card Styles */  
.profile-card {  
  background: ■ #fff;  
  border-radius: var(--card-radius);  
  box-shadow: 0 4px 8px var(--shadow-color);  
  padding: 20px;  
  text-align: center;  
  max-width: 300px;  
  width: 100%;  
}
```

# Adding Responsiveness

- ❖ Why Responsive Design?
- ❖ Ensures usability across devices of all sizes.

```
/* Responsive Design */  
@media (max-width: 600px) {  
  .profile-card {  
    padding: 15px;  
    max-width: 90%;  
  }  
  
  .profile-name {  
    font-size: 1.2em;  
  }  
  
  .profile-bio {  
    font-size: 0.85em;  
  }  
}
```



# Which property would you use to create rounded corners on an element?

- A. border-radius
- B. box-shadow
- C. padding
- D. margin



# What does flexbox help with in CSS?

- A. Positioning elements in a grid.
- B. Aligning and distributing space in a container.
- C. Adding animations.
- D. Setting text styles.





**John Doe**

Web Developer

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# CoGrammar

## Q & A SECTION

**Please use this time to ask  
any questions relating to the  
topic, should you have any.**

# Thank you for attending



**CoGrammar**



Department  
for Education