Welcome to the

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Task Walkthrough: Task 21 - Express - Web Applications

The session will start shortly...

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

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Full Stack Web Development Session Housekeeping

- 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**

Full Stack Web Development Session Housekeeping cont.

- For all **non-academic questions**, please submit a query:

  www.hyperiondev.com/support

- Report a **safeguarding** incident:

  www.hyperiondev.com/safeguardreporting

- We would love your **feedback** on lectures: **Feedback on Lectures**

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Skills Bootcamp
8-Week Progression Overview

Fulfil 4 Criteria to Graduation

✅ Criterion 1: Initial Requirements

Timeframe: First 2 Weeks
Guided Learning Hours (GLH):
Minimum of 15 hours
Task Completion: First four tasks

Due Date: 24 March 2024

✅ Criterion 2: Mid-Course Progress

60 Guided Learning Hours

Data Science - **13 tasks**
Software Engineering - **13 tasks**
Web Development - **13 tasks**

Due Date: 28 April 2024

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Skills Bootcamp
Progression Overview

✅ Criterion 3: Course Progress

Completion: All mandatory tasks, including Build Your Brand and resubmissions by study period end
Interview Invitation: Within 4 weeks post-course
Guided Learning Hours: Minimum of 112 hours by support end date
(10.5 hours average, each week)

✅ Criterion 4: Demonstrating Employability

Final Job or Apprenticeship Outcome: Document within 12 weeks post-graduation
Relevance: Progression to employment or related opportunity

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Learning Objectives

❖ Build an Express-based server application to dynamically manage API endpoints.

Why Use Node.js with Express for API Management?

Node.js provides a non-blocking, event-driven architecture ideal for data-intensive real-time applications that run across distributed devices.

Express simplifies routing and middleware integration, making it an excellent choice for setting up RESTful APIs quickly. Combining these, you can efficiently manage API endpoints, enhancing development speed and reducing boilerplate code.

Task Example:

➢ Create a backend service that allows administrators to manage API endpoints dynamically. Your task is to set up an Express server that can:
  - Enable specific API endpoints.
  - Disable specific API endpoints.
  - Modify the behavior of specific API endpoints.
  - List all available API endpoints with their current status.

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Questions and answers

Thank you for attending

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