Product Development

HyperionDev

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Lecture - Housekeeping

❏ The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly.
  ❏ Please review Code of Conduct (in Student Undertaking Agreement) if unsure
❏ No question is daft or silly - **ask them!**
❏ Q&A session at the end of the lesson, should you wish to ask any follow-up questions.
❏ Should you have any questions after the lecture, please schedule a mentor session.
❏ For all non-academic questions, please submit a query: www.hyperiondev.com/support

Lecture Objectives

1. What Full Stack Development entails and the role of a full stack developer.
2. Introduction to the MERN stack (MongoDB, Express, React, Node.js).
3. Setting up the backend with Node.js, Express, and MongoDB.
4. Connect the React.js application with the backend.

What is Full Stack Development?

❏ Full Stack Development involves working on both the frontend and backend of a web application.

❏ Full stack developers are proficient in multiple layers of technology.

❏ Key Responsibilities:
   ❏ Developing user interfaces (UI) with HTML, CSS, and JavaScript.
   ❏ Building server-side logic, APIs, and databases.
   ❏ Ensuring smooth communication between frontend and backend.

The MERN Stack

❏ The MERN Stack is a combination of four powerful technologies:
  ❏ MongoDB: A NoSQL database.
  ❏ Express: A backend web application framework.
  ❏ React: A frontend JavaScript library.
  ❏ Node.js: A runtime environment for server-side applications.

❏ MERN enables building modern, dynamic web applications.

Demo time

Questions and Answers

Thank You!