



Welcome to this session:

Tutorial: Authentication and Authorization system in a full stack application

The session will start shortly...

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



Skills Bootcamp Cloud Web Development

- 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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- **Report a safeguarding incident:** **www.hyperiondev.com/safeguardreporting**
- We would love your feedback on lectures: **[Feedback on Lectures](#)**
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

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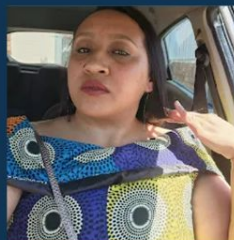
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Ian Wyles
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Learning Outcomes

- ❖ Implement user authentication in a full-stack application.
- ❖ Develop a full-stack authentication system with protected routes.
- ❖ Deploy a secure authentication system on Vercel/Render.

POLL QUESTIONS






Which of the following is a security best practice when handling authentication tokens?

- ☐ Storing tokens in localStorage for easy access
- ☐ Using HTTP-only cookies for token storage
- ☐ Sending tokens in the URL for quick retrieval
- ☐ Hardcoding tokens in frontend code for convenience

Authentication and Authorization

- ❖ **Authentication** – Verifies user identity (Login/Signup).
- ❖ **Authorization** – Grants access based on roles/permissions.
- ❖ **Stack:**
 - Frontend: React(JWT)
 - Backend: Node.js/Express (JWT)
 - Database: MongoDB (User roles & permissions)

Deployment

- ❖  **Frontend:** Deploy Next.js app with environment variables.
- ❖  **Backend:** Deploy API (Vercel Serverless Functions or External API).
- ❖  **Database:** Use managed services like Supabase/Firebase.
- ❖  **Security:** HTTPS, token storage (HTTP-only cookies/localStorage).
- ❖  **Outcome:** Scalable, secure authentication & authorization system!

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



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