



Hands-on Session on Full Stack Development

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Agenda



- Introduction
- Tech Stack
- Future Trends and Opportunities
- Hands-on session
- Project Demo of React/Django/Flask
- Important Links and Resources



Introduction

Evaluation of Web

1. Web 1.0 – Static Pages
2. Web 2.0 – Dynamic Content, Social Interaction
3. Web 3.0 – Semantic Web, AI, Blockchain Integration
4. Progressive Web Apps (PWAs)





Technology Focus

- Frontend Developer
- Backend Developer
- Full Stack Developer

Trends and Opportunities

- Single Page Applications (SPAs)
- Progressive Web Apps (PWAs)
- AI & Machine Learning Integration
- Blockchain and Decentralized Apps (dApps)
- Voice Search Optimization (Voice Interfaces)



Industry Level Projects



Airbnb (Travel & Listing)

Build your own version of full stack Airbnb with user authentication, property listings, and more.



Zerodha (Investing & Stocks)

Build your own version of MERN stack Zerodha with Restful APIs & AWS Deployment.



ChatGPT (OpenAI APIs)

We'll explore the OpenAI APIs to build our own chatbot.



Linkedin (Social Media)

Build a MERN stack social media platform to connect & share with your network.



Github (Version Control)

We'll attempt to implement our own version control system in the form of a full stack project.



Zoom (Live Video Streaming)

Build a video conferencing solution using socket.io & WebRTC.

Hands-On Mini Project

code:

<https://github.com/fireclint/weather-app-react>

Explanation:

<https://youtu.be/UjeXpct3p7M?si=QWSbfjirsf g5MdHw>

Note:

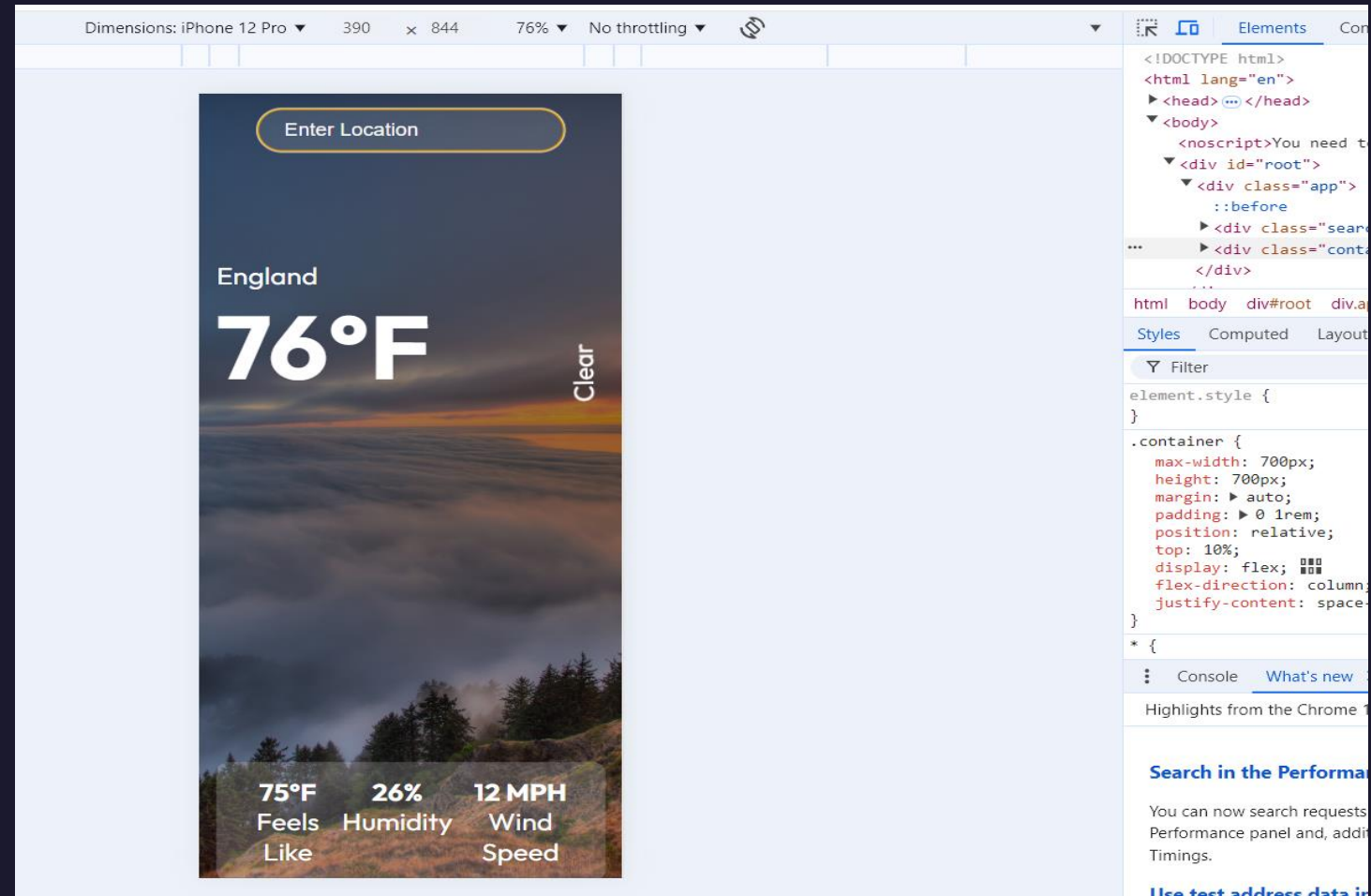
Install nodeJS:

<https://youtu.be/06X5lc6WHsQ?si=INEyCty cQP8CZINg>

cd correct file name

npm install

npm start



Final tips & Resources

Project Demo

- Flask
- Django
- React

Courses

- Python Technology Stack
- JAVA Technology Stack
- Angular Full Stack
- https://infyspringboard.onwingspan.com/web/en/page/lex_auth_01398268320967884838

Road Map

For all roles road map

- <https://github.com/kamranahmedse/developer-roadmap?tab=readme-ov-file>
- Problem as per company wise
- <https://www.propeers.in/roadmaps>
- **ASP.NET Core Developer Roadmap**
- <https://github.com/MoienTajik/AspNetCore-Developer-Roadmap?tab=readme-ov-file>

Thank you

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