



LINKEDIN LIVE LEARNING

**Enhancing User Outcomes through Interactive
Learning and AI Connectivity**

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STATUS QUO

LinkedIn Learning is a powerful tool that allows millions of individuals to access high-quality content for low prices for personal learning

LinkedIn Learning has 2 areas for major improvement:

- Multiple Choice questions don't actively test content to proficiency; can be improved
- Universities do not have LinkedIn Learning integrated into their own systems, not a major player in accreditation: **major market**

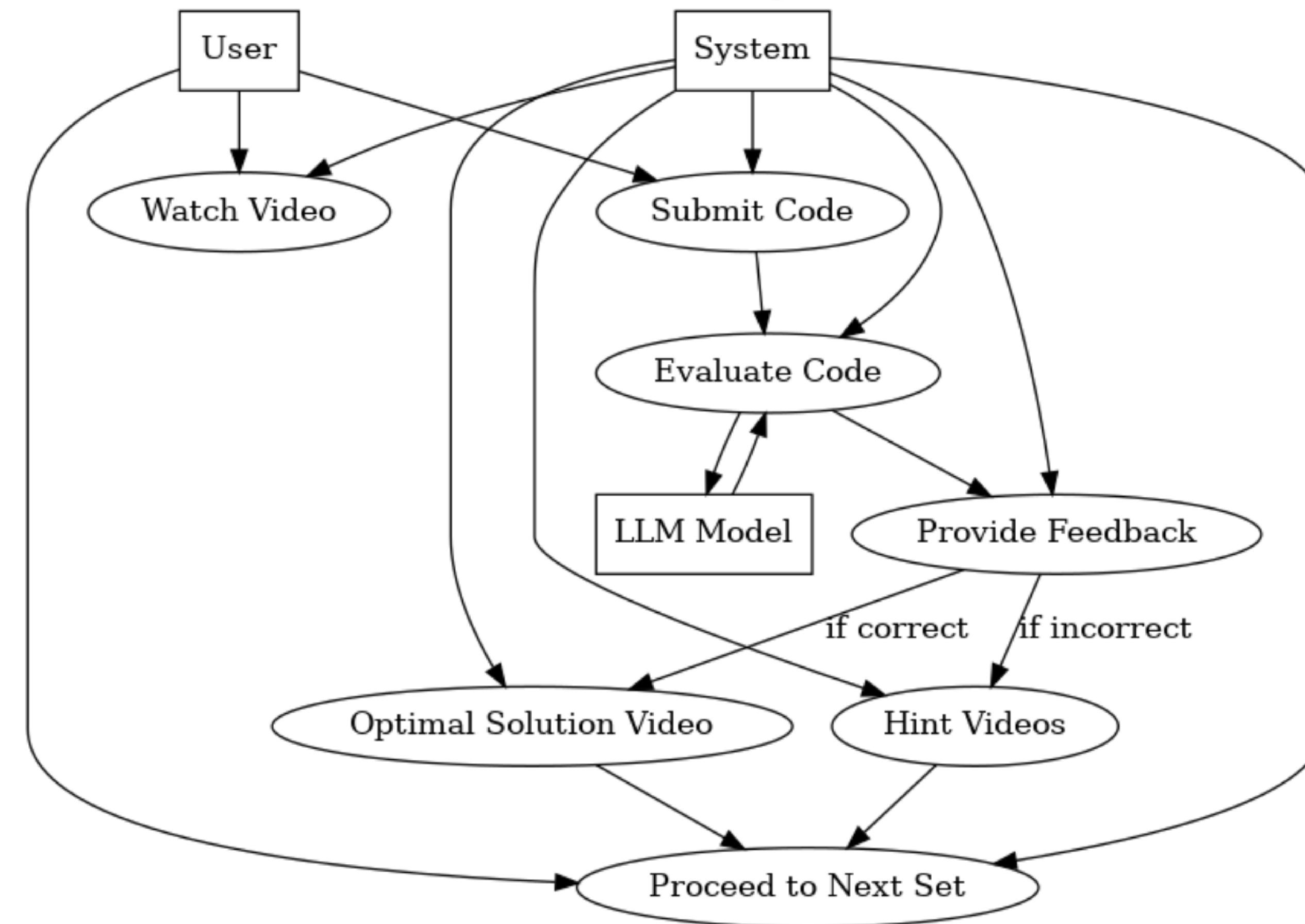


LIVE LINKEDIN LEARNING

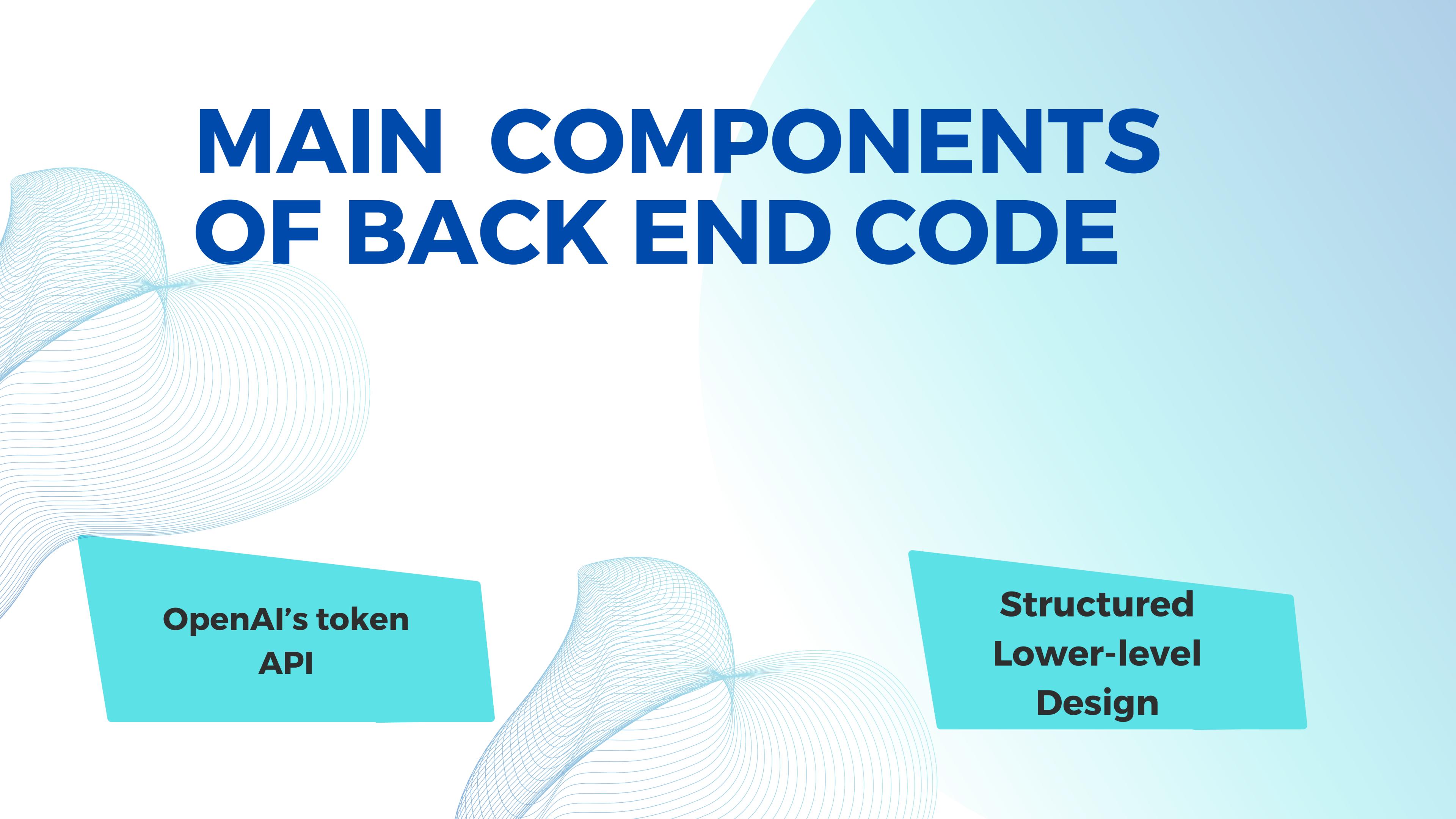
Interactive video
sessions that utilize
**User Input and AI
Feedback**

- **Personalized Feedback:** Tailored to the user's responses, rather than basic Q&A
- **Open-Ended Questions** allow for real-world experience in CS environments
- **Impactful Learning:** Users receive certifications that employers and universities know are valuable

Use Case Diagram



MAIN COMPONENTS OF BACK END CODE

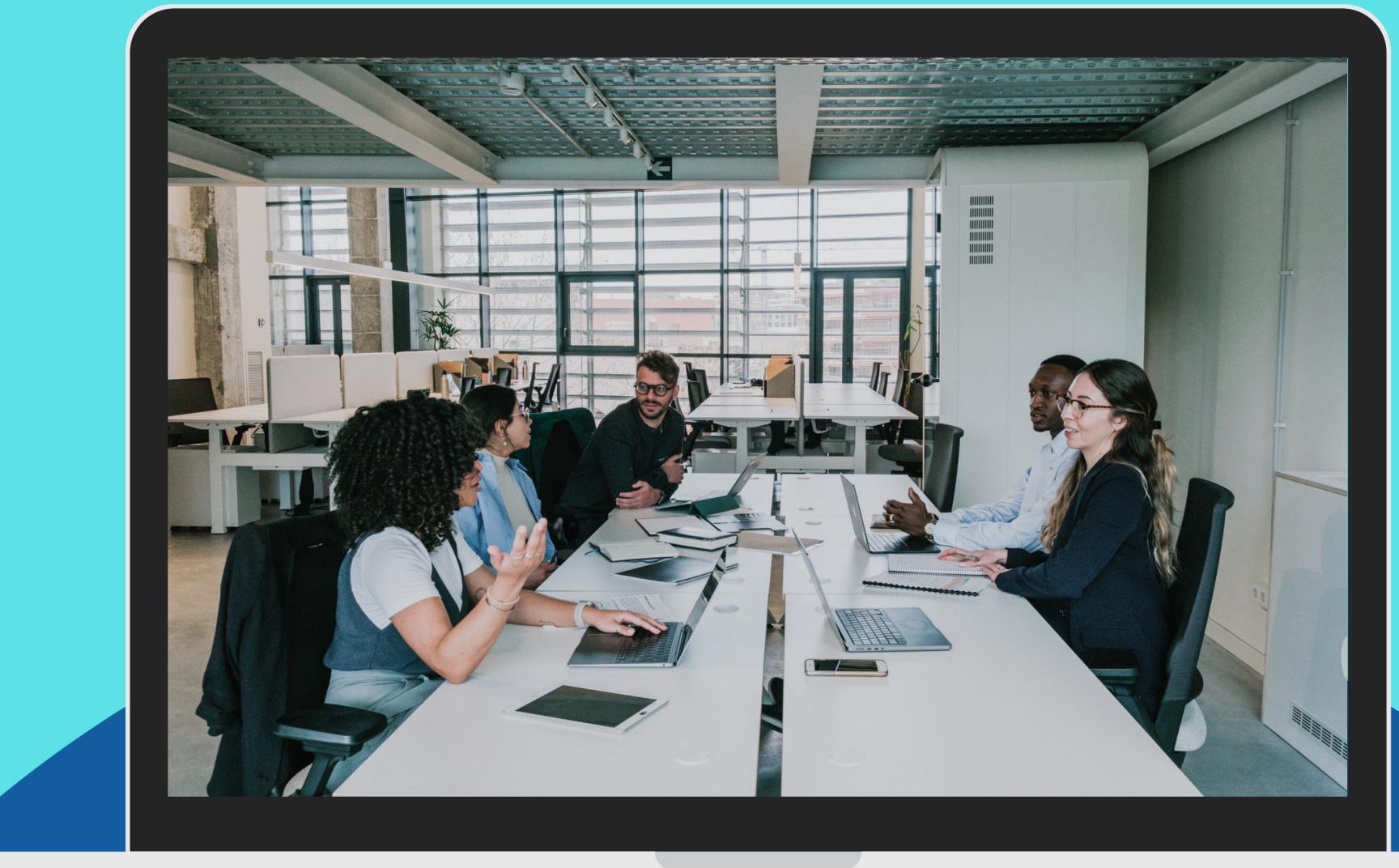


OpenAI's token
API

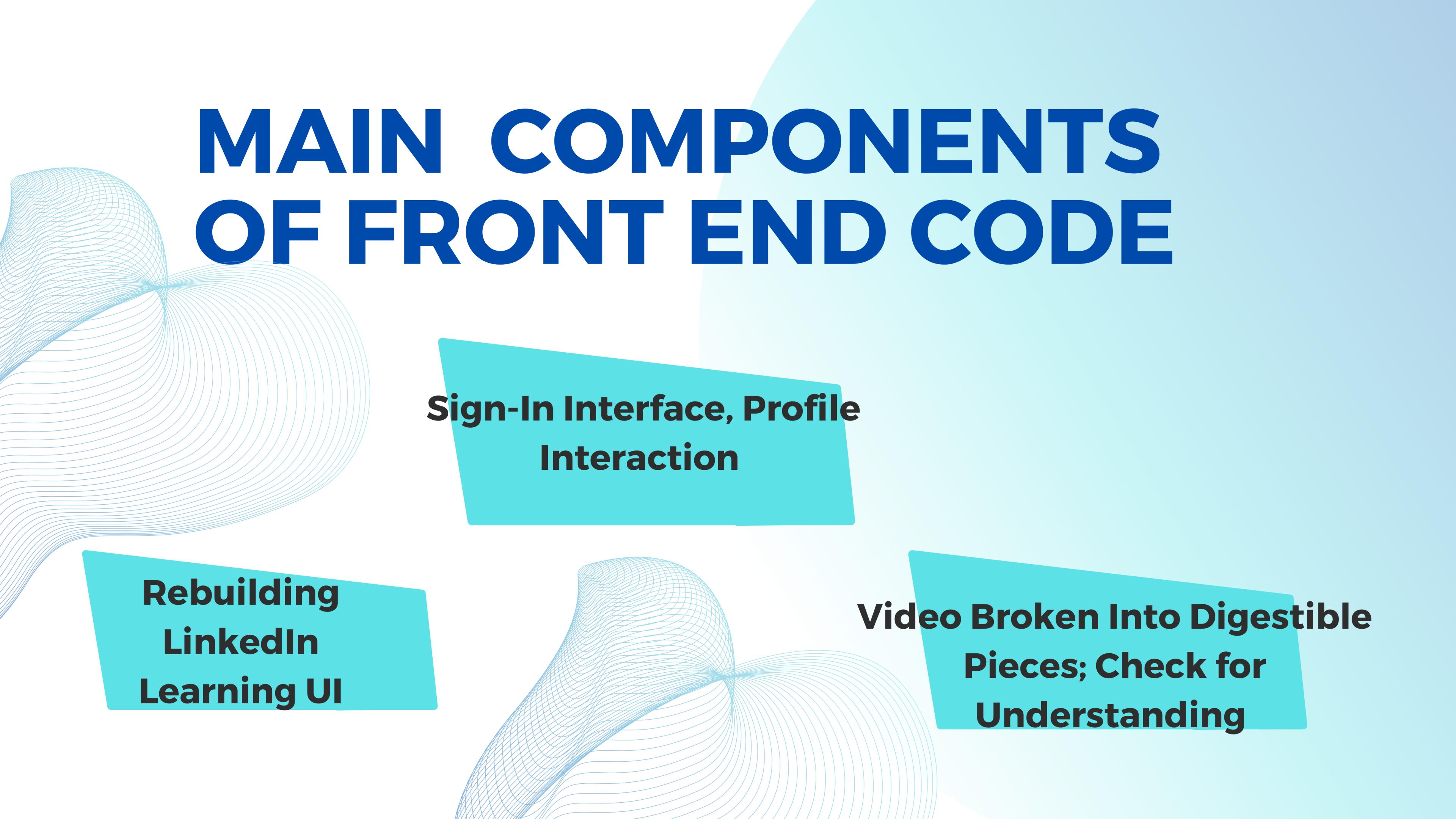
Structured
Lower-level
Design

BACK END

1. Python and Flask
2. OpenAI API
3. Connectivity to Front-End



MAIN COMPONENTS OF FRONT END CODE



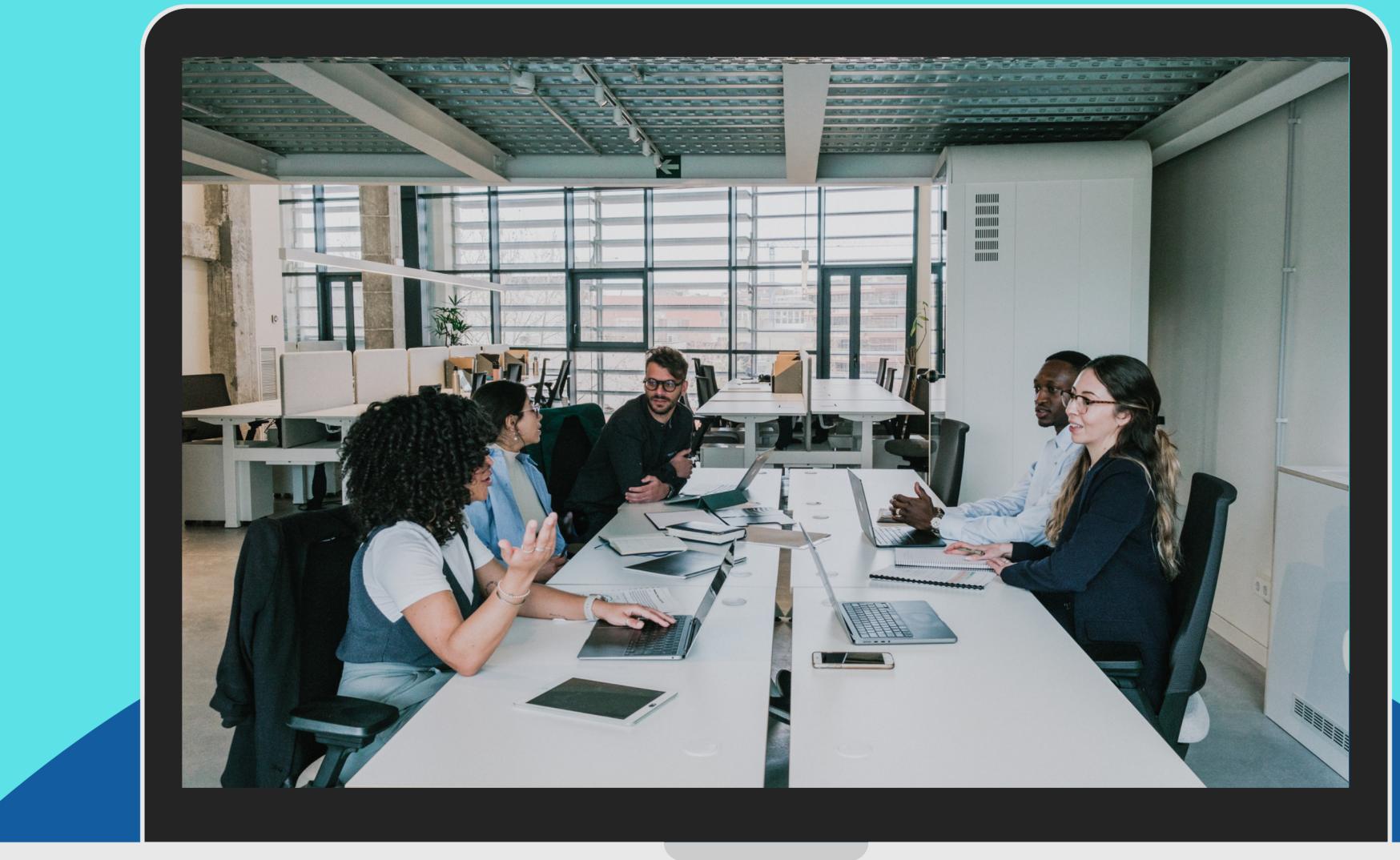
Sign-In Interface, Profile
Interaction

Rebuilding
LinkedIn
Learning UI

Video Broken Into Digestible
Pieces; Check for
Understanding

FRONT END

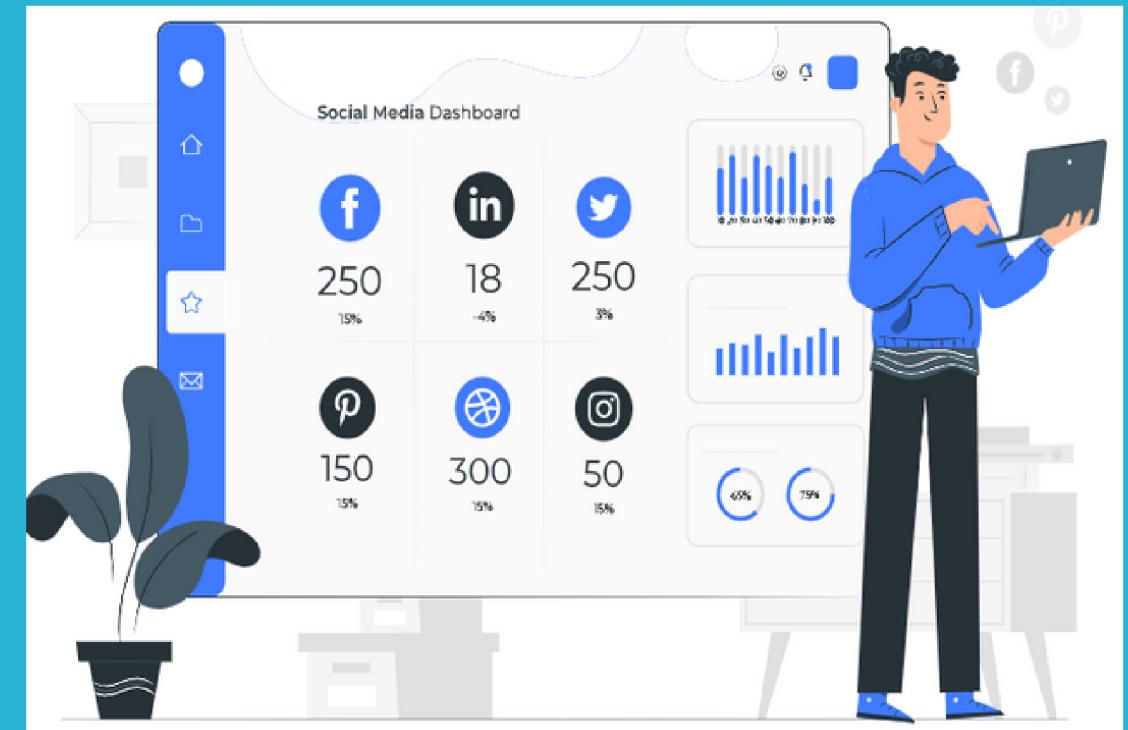
1. HTML, CSS, Bootstrap
2. Connecting Front-End to Back-End



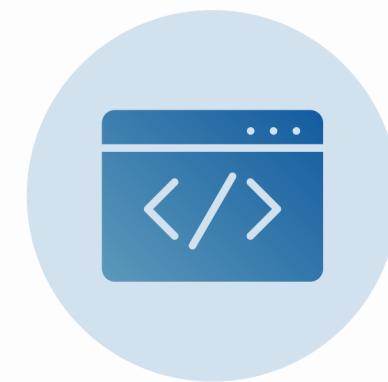
Impact

Transitioning LinkedIn Learning Focus from Personal Development to Employment Certifications and University Accreditation

- Less than 30% of community college students completed a computer programming or computer science course in the last year, either due to lack of proper instruction or access to courses: **We Fix This**
- Switching to open-ended, interview-style questions is a win-win
 - Recruiters can see relevant accreditations for candidates
 - Candidates are prepared for on-the-job skills



What sets us apart from others?



Giving Users a
platform to drive
skillsets



Creating a
credible platform
that is worth users'
time



Allowing LinkedIn to
impact and scale
Learning, helping
others

Thank you!

Git Repository Link:

<https://github.com/AbrahamAlemu-github/Linkedin-Learning-Project>

Questions?