

Define the Problem:

Our project aims to address the challenge of enhancing the coding skills of undergraduate and graduate students and improving job readiness in the tech industry. Many individuals struggle with keeping up with rapidly evolving programming languages and technologies industries use that weren't covered at their college, making it difficult to be competitive in the job market. By providing a platform focusing on skill development, hands-on coding practice, interview preparations, and up-to-date information, we seek to bridge this gap, equipping users with the expertise needed to excel in real-world coding tasks and secure positions in the tech sector.

Set a Long-Term Goal:

The long-term goal of our project is to create a leading platform that consistently improves users' coding skills, making them highly competitive and job-ready in the tech industry. Success is defined by a high rate of graduate student users securing technical positions and advancing in their careers due to their enhanced proficiency and confidence in coding and problem-solving. We aim to achieve an influx of daily users and become a household name in the computer science field.

Create a User Journey Map:**Stage 1. Awareness & Discovery**

- Touchpoints:
 - Social media, online forums, or coding communities.
 - Word-of-mouth from peers, mentors, or professors.
 - Online search for coding skill development platforms.

Stage 2. Onboarding & Exploration

- Touchpoints:
 - Homepage and sign-up process.
 - Introduction to platform features via tutorials or guides.
 - Profile setup for tailored learning paths (languages, frameworks, career goals).

Stage 3. Learning & Skill Development

- Touchpoints:
 - Coding challenges, interactive courses, and real-world project simulations.
 - Feedback from platform or community on performance and progress.
 - Regular updates on emerging technologies and best practices.

Stage 4. Interview Preparation

- Touchpoints:
 - Mock interviews, coding tests, and problem-solving practice.
 - Tutorials or mentorship on soft skills and interview techniques.
 - Access to interview experiences and feedback from companies.

Stage 5. Job Search & Placement

- Touchpoints:
 - Job boards, company partnerships, and job-matching features on the platform.
 - Networking opportunities and connections with hiring managers.
 - Platform integration with company recruitment processes.

Accomplished Goals:

- Student lands a job
- Gains an in depth knowledge of their field

Generate "How Might We" (HMW) Questions:

- How might we personalize the learning experience for students with different coding backgrounds and concentrations?
- How might we simulate real-life coding interviews and tasks to better prepare users for technical job assessments?
- How might we offer targeted feedback and resources to help clarify coding concepts they find challenging?

Prioritize the Challenge

- How might we...partner with big companies to make our product a key part of their hiring process as well as sharing important hiring information from these companies?

This challenge is a priority because building strong partnerships with major companies will not only enhance the credibility of our platform but also provide users with direct pathways to employment, making our product more valuable and aligned with real-world hiring needs.

- How might we...help users adapt to emerging technologies and trends with the landscape of coding languages, frameworks and paradigms in a perpetual state of evolution?

This challenge is a priority because staying current with rapidly changing technologies is crucial for maintaining competitiveness in the tech job market, and addressing it will ensure our platform remains relevant and valuable to users in their long-term career growth.

Group Trello:

<https://trello.com/invite/b/66e3880af8b52e6d21242770/ATTIfbafcb10ffe0c3d388b6900d8fd9fa579AC0167F/itsc3155project>