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Problem 1

Due to COVID, our engineering team has been dispersed and needs to be rebuilt. Our past student Engineer leaders are now in excellent positions in industry. We need to reconstitute a team to regain good understanding of the platform, calling upon our past Engineers, and begin to implement small fixes and improvements, while re-constituting a regular workflow and organization. (Please be clear about how you will make effectively use of limited time to interact with past Engineers on the team to get started.)

How will you get started to quickly become effective? What specific steps will you take? Will this be easy or hard?

Solution:

Looking at the problem, I find that time is of utmost essence here. Following are the steps that I will take once I get started with the job:

- First, I will understand the purpose of the Application and go through the documentations if they are present
- Determine the Project plan and the current stage of the project and later, understand the milestones of the project that are to be achieved
- Understand the intricate details of the existing system in place
- Meet with the previous project team members and try to have knowledge transfer sessions and further understand the project specifics (Ex: Workflows) and determine if there are any issues that needs immediate attention
- Start going through the code base and understand the implementations
- Determine the tasks that needs to be performed and their deadlines and accordingly plan to complete it
- Collaborate with the team members and brainstorm ideas for further enhancing the application features

I strongly feel this is an achievable plan, but we need to ensure that every step here is time framed. With my experience, taking over projects from previous teams, the initial stages of understanding the application and existing system is crucial and a little time-consuming factor else everything will fall in place.

As far as Knowledge transfer sessions are concerned, we need to plan the sessions before hand, that works for the past Engineers and stick to the time schedules. Overall, this is an achievable task for me that I can achieve through my years of experience, diligence and effort.

Problem 2

The goal is to develop a platform can broaden access to high-quality high-skilled "gig" opportunities to students and alumni. In your (very brief) experience with this platform, what aspects of development do you think are highest priority to improve/change/add in order to rapidly improve the platform to the Northeastern community? Briefly name one and explain why.

Solution:

The site is simple (in term of User Interface) and engaging. I liked the idea how the site displays the status of each job opening and the comments section, features like these, for sure, have enhanced the overall user experience. However, I feel that we could further get the community more engaging by adding a feature that allows the users to upload their resume and compare it with the job description that they are applying for and display the percentage of similarity between them (based keywords). This feature will be helpful for the community to further optimize their resume before applying for a job opening.

In terms of development process, we should implement CI/CD (Continuous Integration and Continuous Delivery) pipelines and develop our infrastructure as a code to avoid error prone deployments and failure. Also, we need to maintain our code base in a Version Control System and ensure everyone follows the defined workflows

Issue Found

I recently came across the following issue while navigating through the site.

Upon clicking "Cancel" during logging in through LinkedIn the follow error page is displayed.