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3/28/23
CSC350H: Software Development
Prof. Tang
Honors Project Proposal

1. **Problem Diagnosis**:
    The issue exists that many teenagers (especially in this generation) do not have the same work ethic as previous generations. Data provided shows that teenagers now spend a lot more time on their phones as opposed to actually working (7 hours and 33 minutes is the average time spent on phones). This is also supported by the fact that when scrolling through social media, a lot of content creators are teenagers. Whatever happened to school and work!? Essentially, there is a problem trying to motivate kids and teenagers to look for part-time work and spend less time on their phones. However, there are also kids/teenagers who are looking to make money at an early age.
    The simple answer would be to give teenagers the opportunity to look for jobs. However, the problem arises that a lot of the current job searching platforms (LinkedIn, Indeed, Lever, ZipRecruiter, etc.) are catered more so to college students and graduates (both high school and college) looking to enter the workforce. However, there are kids who may also choose to work earlier (either to save for a car, or help their parents because of financial issues, or to just have a side job while in middle/high school and start saving money early) but can't do so because of their lack of qualifications for a professional job.

2. **Purposed Treatment:**
    We want to introduce a job searching application that is catered towards young adults and teenagers to help motivate them to spend less time on their phones. The general users of this application will be young adults and teenagers looking to get a part-time job in their respective neighborhoods as well as families and companies looking to hire teens for their needs. Jobs (or chores) that could be posted on this platform can include anything from chores (cleaning cars, taking out trash around a neighborhood, newspaper delivery, dog walker/sitter, tutor, etc.) to actual part-time jobs for kids and teenagers looking to make money in a corporate setting/field (retail sales, fast food services, etc.).
    The application could have a similar layout to a social media platform that lets kids and teenagers have the feel of using a social media platform, but all the user's feeds could be any accomplishments and feats accomplished and gained as they're working, any job updates, etc. The job listings would cater toward those still in middle and highschool looking to work as a part-time employee.

3. **Plan of Work:**
    Collecting user requirements would be most beneficial through surveys and interviews. Being able to collect data from employers, as well as kids/teens seeking employment on hobbies, interests, and even their favorite school subjects would all be valid data in terms of determining how to proceed with the development of the application. Even parents' opinions on whether kids should be working would also be valid data.
    Since some of us have React and JavaScript experience, we discussed as a group that we will develop a web application with React. Depending on how far we can get into the project, we

also discussed using Google Firebase as a backend option to let users be able to chat with one another in a professional setting (similar to LinkedIn).

       The challenges of this application include whether or not a job listing on the application is qualified to be a job for kids and teenagers. This could be verified with a moderation team of some sort that would check out the listing to make sure that it is indeed a job that the demographic is qualified for. Knowing this is an application geared for helping kids/teenagers find employment. There will be a parental restriction on content that is posted as well as parents being able to monitor any conversations being had.

       There are many uses for data collection for the application. On the young adults/teens side, data that is collected and processed would be data that can recommend new job listings to users that have been posted by employers based on the types of jobs that the users seeking employment have been saved.

4. **Teammates:**
Tina, Jia Rong, Zavier