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CSC 325

Initial Project Proposal

**Idea:** For our group project, I propose that we create a job board program. The program will be able to have a user login system, where users can register themselves as either a recruiter or a person looking for a job. Recruiters will be able to post new jobs with information and a location relating to it, and job seekers will be able to see the job listings in their area and send messages to the recruiter. When signing up, users on both sides will need to select a location in which they are based, which will then filter out the results when searching for or posting jobs.

**WRSPM:**

**W** – we assume that there are active recruiters out in the world who are looking to hire people and need to post their jobs. We also assume that there are plenty of people in the world looking for a job, and who are looking for companies to hire them.

**R** – the user requirements in this project are that the user must be able to create an account, as either a recruiter or job seeker, and they must be able to post or find jobs, depending on their account type. The user also must be able to send messages to the other side, either recruiter to job seeker or vice versa. Finally, the user must be able to select a location they are based in and use that to filter out their results.

**S** – the specifications for this project require us to have a database to store the information about all the user accounts, their respective titles, location, and messages that are received. We also need to query this database throughout use of the program to display the jobs listed, messages sent/received, and any other information that may be stored in the database.

**P** – the program will be created using Java, as well as SQL in order to query and get results from the database. The program will use data structures to store and load the immediate data, as well as to send the messages back and forth between users.

**M** – for this project, the machines needed will simply be computers that can run the program. We assume that the users will have the capability to run the program and have enough space for the data.