Project Proposal

The domain that we're going to model is the online job application process. Specifically a general template that any individual company could use.

The target demographics would be job seekers and employers. Job seekers will be able to create a profile for themselves containing their personal info and resumes, as well as access a wide array of available positions looking to be filled that the company provides. Employers on the other hand will be able to create listings in the hopes of searching for desirable candidates for various positions. Once a successful application has been found the employers can then contact the prospective employee for an interview for further screening. If the interview goes well, the employer can then draft an offer letter containing the applicant's newly assigned employee ID. Employers will be able to see the profiles and applications of all candidates and how many are applying, but the candidates will not be privy to this information. The employers will also have control over editing the job listing, updating information and removing it once the position has been filled.

The database provides more flexibility and options in how the applications are sorted, allowing employers to run through candidates more efficiently and categorize them based on how desirable they are with DBMS tools. Putting all the applications in a database will allow the employers to query them so that key skills could be identified much more quickly. Also, using a database provides a greater level of security which is essential as applicants will be submitting their personal information.

This project will be done using the CPSC department's Oracle database system and PHP. We won't be using any other tech stack.