Info

Group name:

Member:

Top-Level Project Description

This project aims to create a relational database for tracking Co-op applications. Data stored will contain students, companies, job positions, students submitting applications as well as their status.
The ideal users of this database are students or administrators who wants to track student applications to specific job offerings. A Student can add themselves to the database, search posted job offerings via various methods (company, title, keywords, description, time period), and 'apply' to positions listed in the database. A student can also update any application as the process progresses for specific applications. Once a student accepts a position, they can indicate that in the database as well. A student can only see what they've applied to and posted job offerings, however administrators can view all students, and applications, for analytics.
If time permits, the database may be extended to support company interaction/management and potentially application statistics.

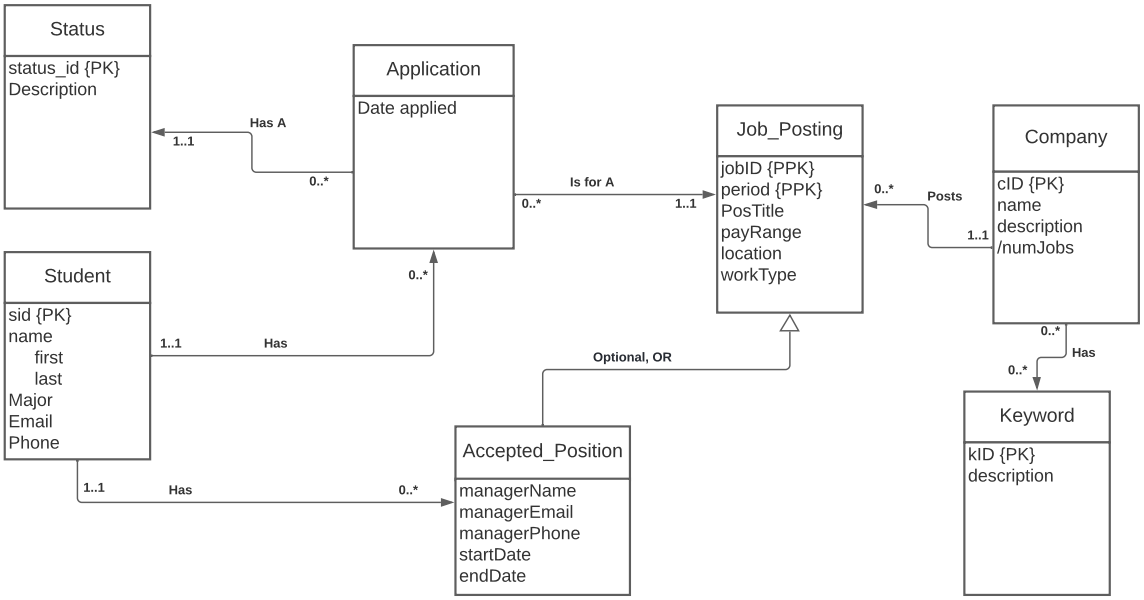
Software

I plan to use SQL and MySQL Workbench to create and manage the database. I plan on using python to communicate with the user and interact with the database on their behalf. Python has several libraries that can be used to interact with SQL, and I plan on investigating a couple and selecting the best among them. Users of the interface will use the terminal to interact with the database and run commands. The terminal input will be interpreted with python and then generated commands will be sent to the SQL database.

Rationale

This project is personally interesting to me because I have experience applying to coop positions, and there has been a decent amount of data associated with it and I've had difficulty tracking all my applications. I've also been interested in some analytics regarding application rates.

UML Diagram



Activity Diagram

Workflow of interacting with the application.