

# CSC 261 Report

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## 1 Project Details

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Team ID: 41

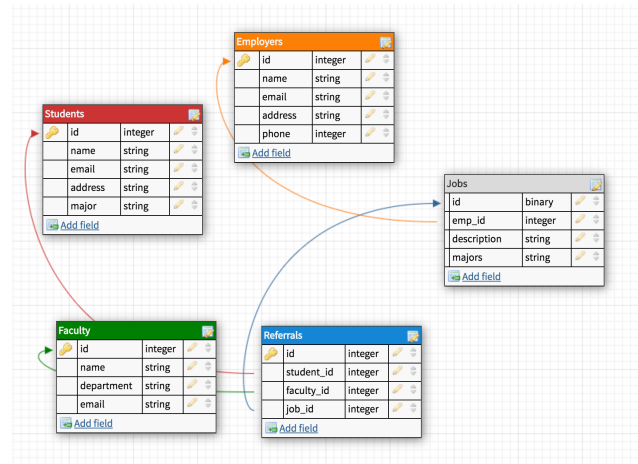
Member IDs: asah and mijaz

## 2 Project Description

As a student we always find it difficult to find opportunities and know what the exact requirements of the Employer are. Therefore, we are coming up with this database that provides convenience for students to connect with trusted recruiters and provides the exact requirements of recruiters. We can obviously not achieve this through an excel file since we have different tables related to each other and tracking changes in each one of them might be really hard. The target users of this database are College Students, Employers looking to recruit college students and Faculty at college; who work close with students and can speak highly of them.

- 1) College students can search for jobs in different fields which and see if they meet the employers requirements.
- 2) Employers can post jobs on the database if they are looking to hire people.
- 3) Faculty members at a college can submit referrals for students they think would be a good fit for a position.

The Career Center at the college will administer the database as they will be in contact with the employers, students and faculty. (This feature was not added)



Following is an image which shows our list of relations:

### 3 Summary

In this project, we learned a lot about how to actually build and use databases in websites. This involved creating efficient databases on MySQL and learning how to query it properly. We also learned how to improve the UI of websites with CSS. We were successful with implementing the database that we had thought of at the start of the project, but there were some components of the website that changed over time. For example, we changed the way that our referral table keeps track of the students, jobs and faculty involved, as well as how tables with foreign keys are handled.

### 4 Future Work

There were features that we mentioned in milestone 1 that we would've liked to implement but couldn't due to insufficient time. One of these features was User authentication, and different user groups for our database server. We mentioned how 4 different groups of users will be using our server, namely, Students, Faculty, Employers, and Administrators (Career Center). This would require us login and registration pages for our servers and then regulating them. In this way we can control what each group of users can view and edit. For example, Faculty will be allowed to only view Students, jobs and employers and add Referrals. Administrators will be allowed to view and edit everything. Students will only be allowed to view jobs and search for referrals, while Employers will be able to view students, faculty, referrals and add jobs. This is one functionality that we would like to implement if given more time.