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February 9, 2017

CMPT 220 Project Proposal

### Club Management RDBMS

My natural curiosity for database systems and strong desire to pursue a career in that field upon my graduation in the near future has made this project choice a relatively easy one. I am choosing the database type project and am planning to utilize Java to develop a system that allows a user to easily write meaningful information to a database. I've chosen the problem of recording accurate club management information, something I have extensive insight and experience on. Often times, keeping accurate record of information is difficult for various clubs and organizations, so my goal is to develop an interface that allows the everyday user to record data in an easy, effective way. I plan to implement this through PostgreSQL, a platform that I have experience with and have written a few databases in. I'm looking forward to continuing my exposure to this platform through the project I'm selecting, as it would be a great opportunity for me to learn about a field I'm very interested in.

What I find particularly interesting about this type project is the opportunity to provide a liaison between the everyday user and the rather complicated field of data science, SQL, and RDBMS. If I as the developer am able to write a system that allows this everyday user to post information to a database that fully reflects the rules of normalization, then I believe a successful database project will be created.

Of course, I realize that, as I delve further and further in the development and creation of this system, that I may run into certain limitations with the tools and exposure that I have. As I explained previously, I plan to implement the database in Postgres, and my next objective is to provide a link between this and the program I use to write Java, IntelliJ IDEA. As I further educate myself on the application of IntelliJ in Postgres, I expect some of my initial plans to change. My hope is to work towards the ultimate goal of providing an easy to use system for the everyday user.