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Course #: C.I.S 4900

Semester: Spring 2020

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Supervisor Contact Information:

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**A brief description of the project**

The project I pursue will be to build a Pharmaceutical management system. I would like to create a system that’s easy to use and extremely intuitive, For both doctors and patients. The system will have a login system that will distinguish patients and doctors, doctors will have access to information such as patient health information, prescriptions, address, contact information, etc. For patients, they will be able to update existing personal information as well as see pending prescription orders, refill count, and available coupons and discounts which are qualified to use. I believe this can be a useful tool for individuals who find it rather difficult to interact with the pharmacist for their essential matters and can help with the amount of information and resource patients have.

To begin development, I will create a rough draft of my database system, my database should be intuitive and fast. I believe I will use either MySQL or Oracle database whichever I believe is more reliable. Once my database is fully created, responsive and performs actuate queries I will move on to my java code. The java code is simply to create functions for sorting, searching, and testing. Next will be to develop my GUI, I’m not too familiar with developing GUI’s or interactive GUI’s at that so this will be a learning process. I may use the spring java framework or develop a completely web-based system and use HTML, CSS, Bootstrap, and JavaScript to completely build my front-end experience.