

## **CPS 510: Assignment 10**

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Working on this Online University Registration System has provided us with the foundation in all aspects of Database design and its implementation. Through the trail of the 10 assignments completed so far we have equipped ourselves with the fact of how important it is to represent data clearly in a brief manner. With the theoretical knowledge of understanding entity relationship diagrams, relational schema design, functional dependencies, normalization etc. we were able to turn various meaningless sets of data into a useful and accessible database.

In the technical aspect of the course we are familiarized with ourselves with the services provided by Oracle 11g and SQL. Using the provided tools we learned how to create tables, drop tables, populate them and create custom queries that display query information in any format. Finally, creating a GUI using Python also familiarized us with the interactions between front-end and back-end components of the database.

This project has solely exercised our teamwork and communication skills along with the improvement in the technical abilities with the project managements and software development.

In conclusion, working on the University Registration system was challenging but a learning experience. It truly unlocked our potential to use the knowledge and skills that we have acquired in this course.