**COEN 178 Intro to Database Systems Spring 2018**

**Demos during your lab time on Mon (4th June) and Thurs (7th June)**

**Documentation** (in a **single zipped file**) named **projectdocs\_*yournameandteammembername***(**one** submission per team) is due on Camino before **10PM on Friday the 8th June.**

**Project Documentation** should include

* A **single document** with Title, the ER diagram, the Functional dependencies (FDs) used, resulting tables with primary and foreign keys and normalization process applied. Include team member names on the document. Include any assumptions you have made and any restrictions (in addition to the ones that are specified in this document) you may have imposed.
* SQL and (PHP code)

**Show the following transactions in your demo:**

1. Generate a list of rental properties available for a specific branch along with the manager’s name.
2. Generate a list of supervisors and the properties (with addresses) they supervise.
3. Generate a list of rental properties by a specific owner, listed in a *happyRenter’s* branch.
4. Show a listing of properties available, where the properties should satisfy the criteria (city, no of rooms and/or range for rent).
5. Show the number of properties available for rent.
6. Create a lease agreement. The information to be entered into this agreement can be input via a Graphical User interface or from the SQL prompt.
7. Show a lease agreement for a renter.
8. Show the renters who rented more than one rental property.
9. Show the average rent for properties in a town (name of the town is entered as input). You can take the average of all the properties that are rented out (in that town) and those available for rent in that town.
10. Show the names and addresses of properties whose leases will expire in next two months (from the current date).