**INFO 6210 Data Management and Database Design Project – Spring 2021**

**DATABASE DESIGN FOR AN APARTMENT RENTAL LISTINGS**

**OBJECTIVES:**

To Design a Database for Apartment Rental Services which supports following features:

* Users must register and login with details like Email, Username, Password, Phone Number.
* Users are allowed to upload their listings as well as view new and existing listings.
* Users can filter their priorities/preferences to find a suitable property.
* Users who are a premium account holders will get to know the upcoming deals before the rest of the users.
* Renting/Leasing details must be stored, Users and Employees must be able to access the details.
* Details of the Employees must be maintained such as email, firstname, lastname, designation, phone number etc.

**PROBLEM STATEMENT:**

1. User may switch the account from normal to premium and vice-versa, which will be difficult to track manually .
2. Unable to retrieve all the listings proposed by a particular user, since users and listings are stored in separate files.
3. Multiple users are signing-up with the same username and it is difficult to prevent this by manually searching the existing usernames. This causes data inconsistency.
4. Difficult to find the deal proposed by a user for one of his/her listing details manually.

**TEAM:**

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