**Database System Project**

Case Study

**Section : B**

Group Members

Usama Sohail L1f17bscs0180

Moeez Mujahid L1f17bscs0181

Abdul Moaeed L1f17bscs0210

***Project :***

*Real Estate Management system*

**Requirement Document:**

The management system will allow the users to perform basic property related Quires, Customers will be able to search , buy , sell or rent different properties (houses, plots , apartment , commercial properties) the application interact with database to store customer and property information.

The main menu of the application displays the

* Search bar to find existing properties available for rent or sale.
* Add property option to add a property for Selling or Renting purposes.
* Available no of properties in Different Cities all across the Pakistan.

The real Estate database keep track of available properties, costumers information, and agents.

**Entities Required:**

* The Real Estate database is organized into different categories for properties (Buy, Rent, and Sale), each property has a unique Property id.
* The relationship is defined between the customer and the property he/she is involved in the customer may be involved with more than one properties.
* The database will store each customer name, contact information’s and costumers requirement’s details(Rooms, Square feet’s , location)
* The database will also keep information about Rent and sales info about available properties including the price, status and owner details.
* It will keep track of renter’s details, renter name, contact, dues and purpose of Renting.
* The database will keep track of the property agents as well as the transection details which are made between the customer and the Agents (transection id, transection type, and amount).

***Proposed Solution:***

We will do our DBMS in MySQL Database Management System. And our GUI interface will be in C Sharp or python.