DAMG 6210

Data Management and Database Design

Project Name: Rental Property Management system

Course name: DAMG 6210 Data Management and Database Design

Year: Fall 2021

Team Members:

Name	Contact Information
Aishwarya Balyaya	balyaya.a@northeastern.edu
Divyesh Darji	darji.di@northeastern.edu
Srushti Desai	desai.sr@northeastern.edu
Shrutika Salian	salian.s@northeastern.edu

Objectives:

- To develop an efficient database system which eases the process of rental management
- To build a data source for performing analytics
- Maintain records for apartment details to keep track of availability
- Analyze overdues, early payment and accordingly inform the tenants
- To track the profit margin using revenue generated and expenditure

Problem Statement:

In this fast-paced world, with so many ways to generate data, it is very essential the data being generated is collected and managed in a structured manner so that it can be converted into useful information. Storing such an enormous amount of data is a cause of concern for many stakeholders. Such problems are faced even by real estate firms where they have multiple customers looking for rental housing. Thus, it requires a robust database management system that facilitates connecting the customers with the appropriate property that suits their needs. The firms have multiple customers approaching to search for a rental property and storing their data and analyzing it accurately can help them gain revenues. This can only be possible if they have an organized process where the data is stored appropriately. The aim of our system is to design such a model that can help the organization to manage all the customers who are on lease or searching for a property along with keeping the track of organization's and has a hassle-free experience.