CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 1

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

2. A brief project description answering these questions:
a. What is the domain of the application? Describe it.

    The application domain is real estate; it is similar to a listing viewing application like realtor.ca.

b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

- The database will store the information of that properties that are listed on the application such as the street address of the property, the number of bedrooms and bathrooms
- The database will also have the information of the contractor who is currently maintaining the property so check if the property was maintained well.
- The database also contains the information of the current owner of the property that is listed
- The database will also have the information of the strata ,if there's any ,that manages the property since the new owner would have to the monthly fees to them.
- The database also has the information of the city the property is situated in and the current tax rate charged by the city authority
- The database will also have the information of the real estate agent who is managing the listing and the real estate company the agent is working under.

3. Database specifications: (3-5 sentences)
a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

- Homeowners find information about real estate agents' contacts and their agencies.
- Real estate agents can add, remove, and manage the listings on the application
- The potential buyers can see the following information on the listing to make their purchase decision
    - The contractor who maintains the property to see if the regular maintenance was done by a reputable company
    - The number of bedrooms, bathrooms, size, year built, and AC availability.
    - The city the property is in and the current city tax rate imposed by the city authorities to help the buyer budget for their purchase
    - The strata who manage the property and their monthly fees to help the buyer budget and learn more about the strata

4. Description of the application platform: (2-3 sentences)

This is a listing viewing application that allows users to view rental or sale listings of properties, as well as the property's associated information, such as who the homeowner is, which real estate agent is managing the listing, if any tenant lives in the property, and so on. We are taking privacy and information confidentiality out of consideration and letting the user see as much information as possible.

5. ER diagram (please enlarge if can't read):

Cannot model:

 - A homeowner can only pay a strata that manages a property they own

- A homeowner can only hire real estate agents that manage a property they own

- A homeowner can only hire contractor companies that maintain a property they own

Phone#

Name

Email

People

Name

Real estate Agency

ISA

Total + Overlap

Employed by

Hires

Homeowners

Real estate agent

Charge schedule

Hires

Contractor company

Name

Fee

Pays

Owns

Area of responsibility

Maintains

Year built

Manages

Strata

Manages

Properties

Size in sqft

Lists

Listing

Price

Name

Has AC

Bathrooms

Street address

Bedrooms

ID

Type (sale or rent)

City

Taxed by

If Type is sale, price is the sale price. If Rent, price is the monthly rate.

Name

Tax rate