University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 10

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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 domain of the application is a real estate management system called **Find A Home.** The application is geared towards those looking to sell properties, those looking to buy properties, and includes real estate agents who connect these two parties to ensure a smooth transaction.

- b. What aspects of the domain are modeled by the database?
  - Find a Home models the property listings in regions of Greater Vancouver. The buying and selling interactions are also modeled through the Buyer, Seller and Real Estate Agent entities.
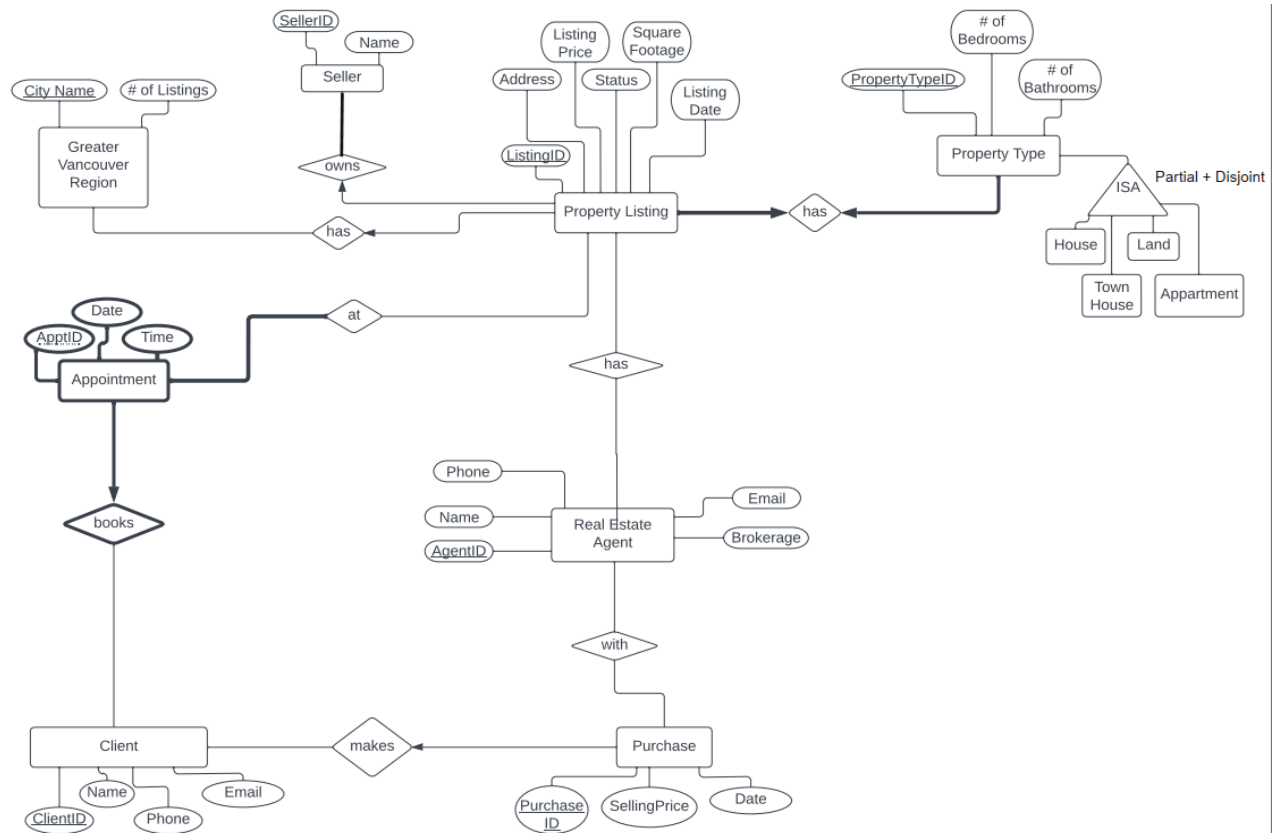
3. Database specifications: (3-5 sentences)
- a. What functionality will the database provide?
  - The main functionality of Find a Home focuses on buying and selling real estate properties in Great Vancouver regions. The functionalities include buyers being able to purchase properties with the listing's real estate agent/s, buyers being able to make appointment/s to view different properties, sellers being able to add their properties for sale, and buyers being able to browse different properties that are up for sale. The database can also provide different information such as property listings' locations, property types, square footage, listing price and how long it has been on the market, and the property listing's real estate agent/s. Find a Home Vancouver maintains a list of all its buyers and sellers. When a potential buyer or seller first signs up, the company records their name, address, email and generates a ClientID/SellerID upon creation.

4. Description of the application platform: (2-3 sentences)
- a. What platform will your project use (PHP/JDBC/etc.)?
  - We will be using Oracle to build the database of our real estate management application and PHP to build the application itself.

- b. What is your expected application technology stack (i.e., any other things that you're using other than whether you're using PHP or JDBC)?
  - At the moment, we are planning to use HTML and CSS for our front end development for the final project.

5. An ER diagram for the database that your application will use.

7. Other comments, as appropriate, to explain your project.
   - In Find a Home Vancouver's context, Client and Buyer are interchangeable.
   - For simplicity, we are associating at least one Property Listing to only one Seller. (i.e. one Property Listing cannot have two Sellers.)
   - Appointment is a weak entity as it belongs to the Client, an Appointment cannot exist without a Client who books it