

Real-Estate Requirements

The City of Parallax is one of the most famous cities in the country. The Parallax council has decided that they need a real estate system to manage properties listed with real estate agents in the city. The system will store records of all the properties and records of all the real estate agents managing these properties.

One of the council administrators will be allocated to use this system. The administrator should be able to add a property or update a property's information. The administrator should also be able to search for a property. Every property is categorised as either "for sale" or "for rent". If the property is for sale, it will include the land size and a selling price of the property. If the property is for rent, it will include the rental price per week, the amount of bond required and the date the property becomes available for rent. Whether it is for sale or for rent, the property must specify an open for inspection time for potential buyers or renters to inspect the property.

There are two types of real estate properties managed by the city: house and apartment. Every property is assigned a unique id, has a street address and is in a suburb (eg. Caulfield, Clayton). Information about the number of bedrooms, the number of bathrooms and the number of car spaces are recorded. A floor plan is also included. If the property is a house, it will also include the number of storeys and the age of the property. If the property is an apartment, it will have a unit number (of the apartment) and a floor number (i.e., exactly on which level the unit is located).

In the property market, every real estate agent is associated with a real estate company. S/he will manage and oversee several properties. Information such as the name of the agent, her/his mobile number, the business name and the address of the company s/he works for are also kept in the system. The administrator should be able to manage these agents and the companies they are working with.

At the end of each month, the administrator will report the council on the properties that are on sale or rent.