

# Databases Project 4

## Real Estate Databases

Andersons Real Estate is a real estate company that sells or auctions properties and manages rental properties. It is one of the largest managers of rental properties in Ballarat. They have developed and intend to maintain a high regard by the community for professionalism as agents for people selling properties, with people purchasing those properties and with people renting properties.

The business employs 6 people, George Anderson, the Manager who oversees operations, an accountant who keeps a track of all property sales, a receptionist and 3 real estate agents (Helen Lock, Robert Grills, Graeme Vickery).

Until now George has maintained manual records of the properties the company manages. However, customer complaints have occurred recently. For example, some properties have been unoccupied for lengthy periods of time and some tenants have been seen with pets against the wishes of the property owners. George realises that he needs to make changes to the way he manages his records.

George has employed you to create a database to allow him to manage the **RENTAL** side of his business. A database with the two sets of fields is required, one set showing the Owner's Details and the second showing the Property's Details:

- 1 **Owner's First Name, Owner's Last Name, Owner's Address, Owner's Phone Number.**
- 2 **Property Type, Property Address, Number of Bedrooms, Pets Allowed (yes or no), Weekly Rent and Currently Occupied (yes or no).**

Four layouts or reports will be needed:

- 1 A data entry screen displaying all the fields so that properties can be managed.
- 2 A Columnar Report about Owner Details showing the **Owner's Name**, the **Owner's Address** and the **Owner's Phone Number**. This should be sorted in alphabetical order by owner's last name.
- 3 A Columnar Report about the Properties showing **Property Type, Property Address, Number of Bedrooms, Pets Allowed, Weekly Rent and Currently Occupied**. This report should allow a user to view:
  - a listing of unoccupied properties.
  - a listing of properties that allow pets.
- 4 Buttons and validation techniques (pop-up menus, radio buttons, etc.) should be provided to allow the database to be used by someone with limited database knowledge.
- 5 The Rental Property data is provided on the following page.