

### Week 1: 2.1.3: Activity – ERD Premier Products

#### Premiere Products

The management of Premiere Products, a **distributor** of appliances, housewares and sporting goods has determined that the company's recent growth no longer makes it feasible to maintain customer, order and inventory data using its manual systems. With the data stores in a database, management will be able to ensure that the data is current and more accurate than in the present manual system. Besides, managers will be able to obtain answers to their questions concerning the data in the database easily and quickly, with the option of producing a variety of useful reports.

Premiere Products must maintain the information about its sales reps, customers, parts inventory and customer orders in the new database. To place an order the customers must be registered with Premier Products and the system should record the customer details. Each customer will be allocated a sale rep; s/he will be their first line of contact. Whenever the customer places the order, the order details must be recorded including the customer who places the order, the items in the order etc. each customer can place many orders, but an order will be always from a single customer. Premier Products have several warehouses; the items are stored in these warehouses.

For the sales rep they would need to record the name (first name, last name), address (house no, street, city, postcode etc) commission rate etc. For the customer, the system should record the name (first name, last name), address (house no, street, city, postcode etc) their sales rep etc. For Parts Inventory the system should record the name of the item, description, category, unit price, number of units in hand (stock) and the warehouse where the item is stored etc. For each order, the customer places the database must store the order number, the date of the order, the customer who places the order, items ordered, number of units ordered, quoted price for each unit etc.