Karl Sprayberry

Mr. Smith is the owner of a store, selling different products (e.g., food, fruit, toy). He is currently managing on paper. You want to sell him a store management system.

**1. Identify entities**

Group 1 – Owners – Mr. Smith

Group 2 – Managers – Managers, Mr. Smith, People in charge

Group 3 – Operators – Employees, Managers, Owners, Others who use the system

Group 4 – Customers – People who buy from Mr. Smith’s store

**2. Identify relationships**

Owners control Managers and Operators. They can see all required information

Managers can see most info in the system and can edit Operator information

Operators see minimal information and input Customer information like purchases and inventory reductions.

**3. Draw entity-relationship diagram**

Process

-Sell products to customers:

Customers present a list of items to buy

Operators check price of items and calculate total

Customer pays

Operator gets payment and gives receipt

-Manage inventory

-Buy products from supplier

