

# UNIT 4 ERD

## OVERVIEW 7

### EXAMPLE EXERCISE

Zippy has several stores and each store is identified by a unique store number. It is important that we store the address of each store which consists of street address, city and postal code.

Each store has several tills. Each till has a number. However, that till number is **only unique within the store**. In other words, there are many stores that could have a till numbered 1, 2, etc.

It is important to keep track of sales made at tills. Each time a sale is made, a timestamp (date & time) should be recorded. It is possible for two or more sales to take place at exactly the same time (i.e. **share a timestamp**), but at different tills.

**All sales** are for known customers (because they make use of their customer card). We need to store the customer card number, name and address of each customer.

Information regarding the products that are sold needs to be stored. Products are identified by a unique product code and each product should have a short description. For each sale made the products that were sold together with the quantity sold must be stored.