

## **Newspaper Delivery System Project**

The newspaper delivery system should keep track of our customers (hereafter referred to as households), our suppliers of newspapers and magazines (referred to as publications), and any subscriptions the households may have. As well, it should keep track of route information for our delivery staff (referred to as carriers) and their routes, billing information for our finance and sales department, and be able to produce summary information for the top executives.

We list the types of information that must be stored, followed by the functional requirements for that area of the system.

### **Households:**

Primary information required for household is as follows:

- Name (surname, first name)
- Address (street, house number, apartment number and postal code)
- 
- Phone number

Secondary information that is required consists of the following:

- Details of what newspapers or magazines the household is currently subscribed to.

Functions:

- Add - The system must be able to include a customer to our data base.
- Delete - The system must be able to remove a customer from our data base.
- Modify - The system must be able to change any of the above information on demand.
- Suspend - The system must be able to hold a customer account for a specific time period or indefinitely. This option is used when household goes on vacation or other reasons.

### **Carriers**

Carriers make deliveries to households. They are identified by:

- Name (Surname, first name)
- Address (Street, House Number, Apartment number and Postal Code)
- Phone number

It must be possible to create and delete carriers, and modify their identifying information (for example if they change phone numbers).

## **Billing**

- Ability to generate bills for all households.
- When payments are received from households, we need to be able to update their record of outstanding balance.

## **Summary Printouts**

- A summary sheet should be produced on request with the total owed for each publication by all households subscribed. This should just be a list of publications, and the number of subscriptions and total amount owed for each.