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CSC 330 – Object Oriented Programming  
Project #02 – Newspaper Delivery System  
Due Date: 05/04/2019

### Requirement Specification

We are tasked with designing a program that is capable of maintaining a newspaper subscription and delivery service. A controlled environment of the implemented visualization of newspaper routes for various publications. This system should be able to keep track of our customers(households), suppliers of newspapers and magazines(publications), information for our delivery staff(carriers) and their routes, billing information, and an output of a summarized report that is viewable.

Households must be able to hold a full name, first name and last name, an address and a phone number. The object must also hold details of what subscriptions a household may have. The system must be able to modify customers that are in the database. This will require a group of functions that will create, destroy, or suspend customer(s). The size of households will be loaded from a source file, but able to be changed throughout the program.

Carriers must have the ability make deliveries to households. They contain a name, first and last, an address and a phone number as identifying information. It is required that the program is able to add, delete and change a carrier's identifying information.

The system must be able to incorporate a billing system. This includes the ability to generate a bill for all households. When payments are received from households, we need to be able to update their record of outstanding balance.

In order to work with the data we provide with the newspaper management system, a graphical user interface(GUI) is required. This will allow us to seamlessly modify the current

data sets that are being used. For example, this includes creating new customers, routes and publications. A variety of buttons and lists will be incorporated for a concise display of all or summarized information.