**CSC 330 Project #2 (C#): Newspaper/Magazine Delivery System Project**

**Requirement Specifications**

**Team Members:**

1. **Nick Raynin**
2. **John Cosentino**

Scenario of the Process

The problem at hand is that there needs to be a program that can track customers, the suppliers of newspapers and magazines, and any subscriptions any customer may have. This program should also keep track of the route information for the delivery staff. Route information is useful to the delivery staff so they know where to deliver the items. Billing information for the finance and sales department also should be made so that a customer knows how to reach the department. Every newspaper or magazine should also have a summary of the product for the top executives to read.

Analysis and Class Dependences

The first class that needs to be constructed will be an abstract class called Person. Since this class is abstract, it will have general data members. It will have data members such as first name, last name, phone number, street name, street number, apartment number, postal code, city, and state. All of these members will have their respective properties. It will also have a function called update to update user ID, ID of the household, and ID of the publication. The next class that should be created is the class that represents a household. This class will inherit from class Person. It will only have one member called subStatus that tells if the subscription is active or not. This member will have a respective property. The class will override the function update. The next class that will be created will be the Carrier class. The class will inherit from class Person. The class will have the data members or the ID’s of carrier ID, household ID, and publication ID. There will be properties for the respective data members. The class will override the update function and will implement SQL code. The final class that should be created is the class Publication. The class will have data members for the publication information. Such information includes the publication’s title, news type, edition, and price. The news type can be sports, news, gossip, etc.