
Week 5 Class Diagrams

Group 5

Purchasing Department

Requirements Statements

In the Purchasing Department at one company, a purchase request may be assigned an expediter within the Purchasing Department.

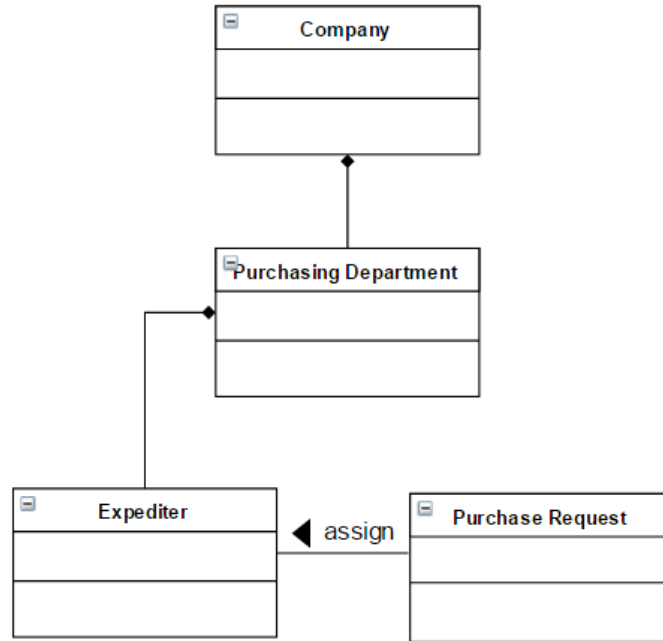
This expediter follows the purchase request through the entire purchasing processes and acts as the sole contact person with the person or unit within the company buying the goods or services.

The Purchasing Department refers to its fellow employees buying goods and services as customers. The purchasing process is such that purchase requests from certain special customers must go out for bid to vendors, and the associated Request-for-Bids for these requests must be approved by the Purchasing Department.

If the purchase is not by a special customer, the product or service can simply be bought from any approved vendor, but the purchase request must still be approved by the Purchasing Department, and the department must issue a Purchase Order. For “special customer” purchases, the Purchasing Department can issue a Purchase Order once the winning bid is accepted.

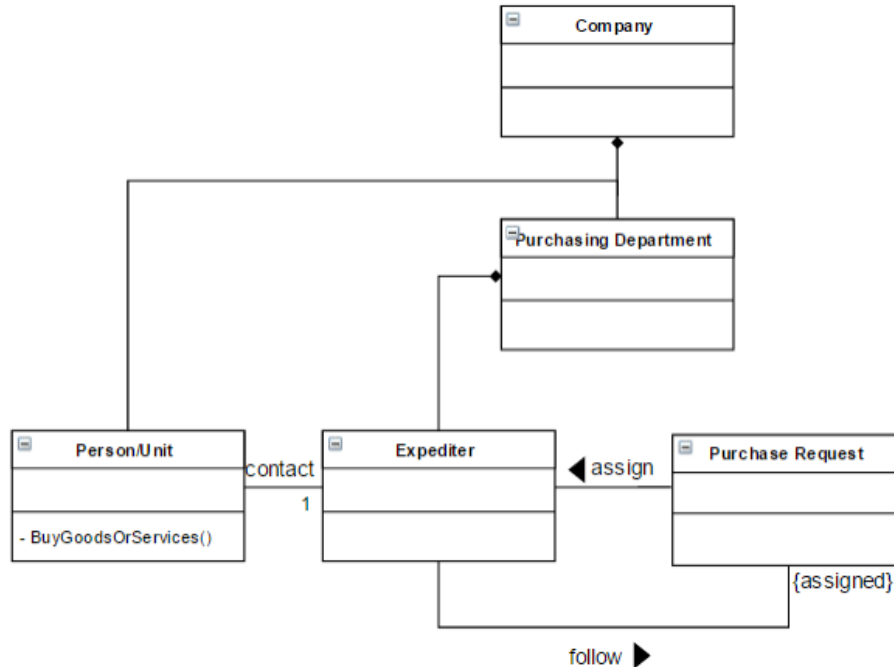
Purchasing Department₁

In the **Purchasing Department** at one **company**, a **purchase request** may be **assigned** an **expediter** within the Purchasing Department.



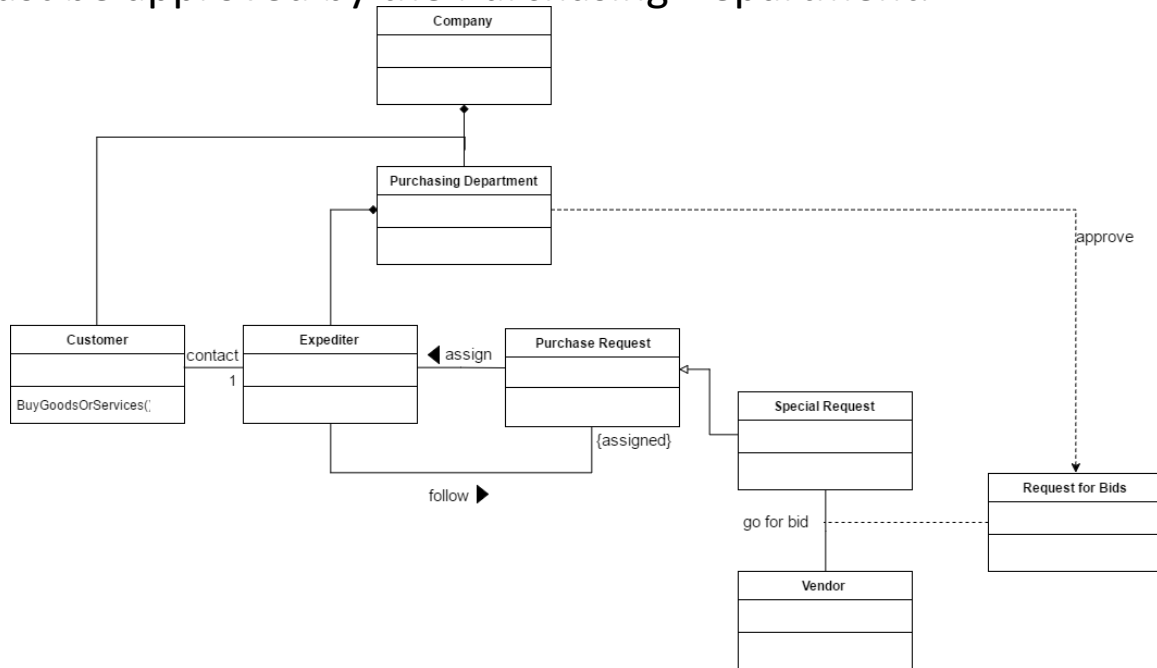
Purchasing Department₂

This **expediter** *follows* the **purchase request** through the entire purchasing processes and *acts* as the sole contact person with **the person or unit** within the company *buying* the goods or services.



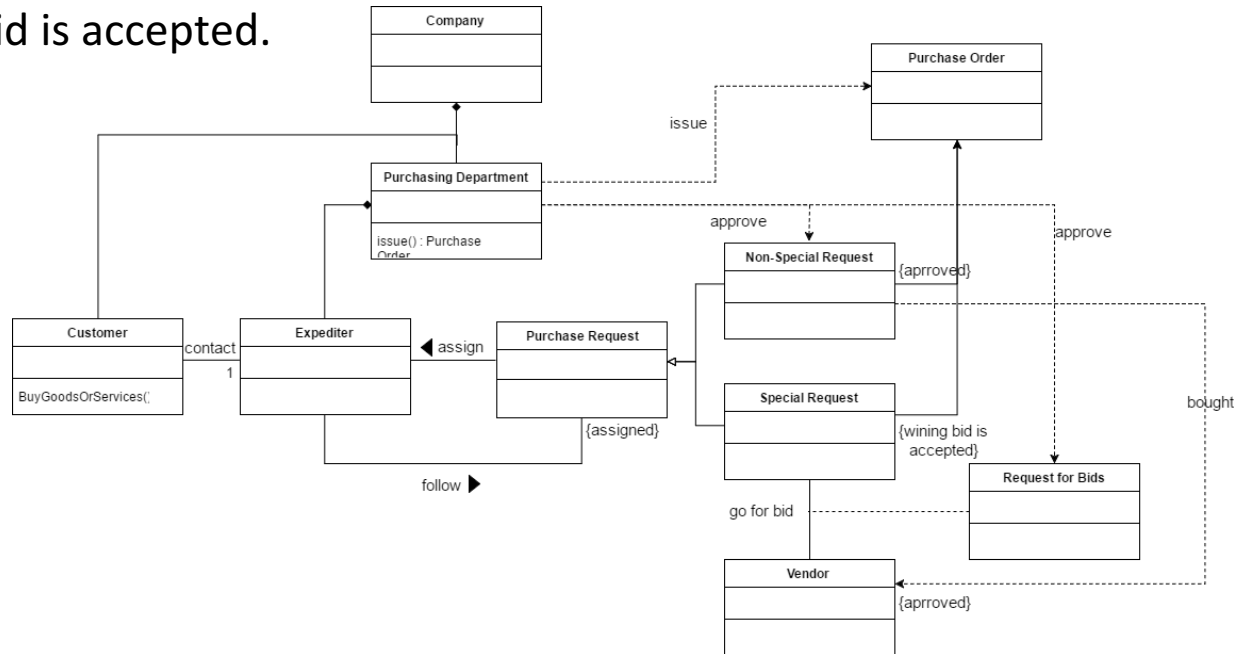
Purchasing Department₃

The Purchasing Department *refers* to its fellow employees buying goods and services as **customers**. The purchasing process is such that purchase requests from certain special customers must go out for bid to **vendors**, and the associated **Request-for-Bids** for these requests must be approved by the Purchasing Department.

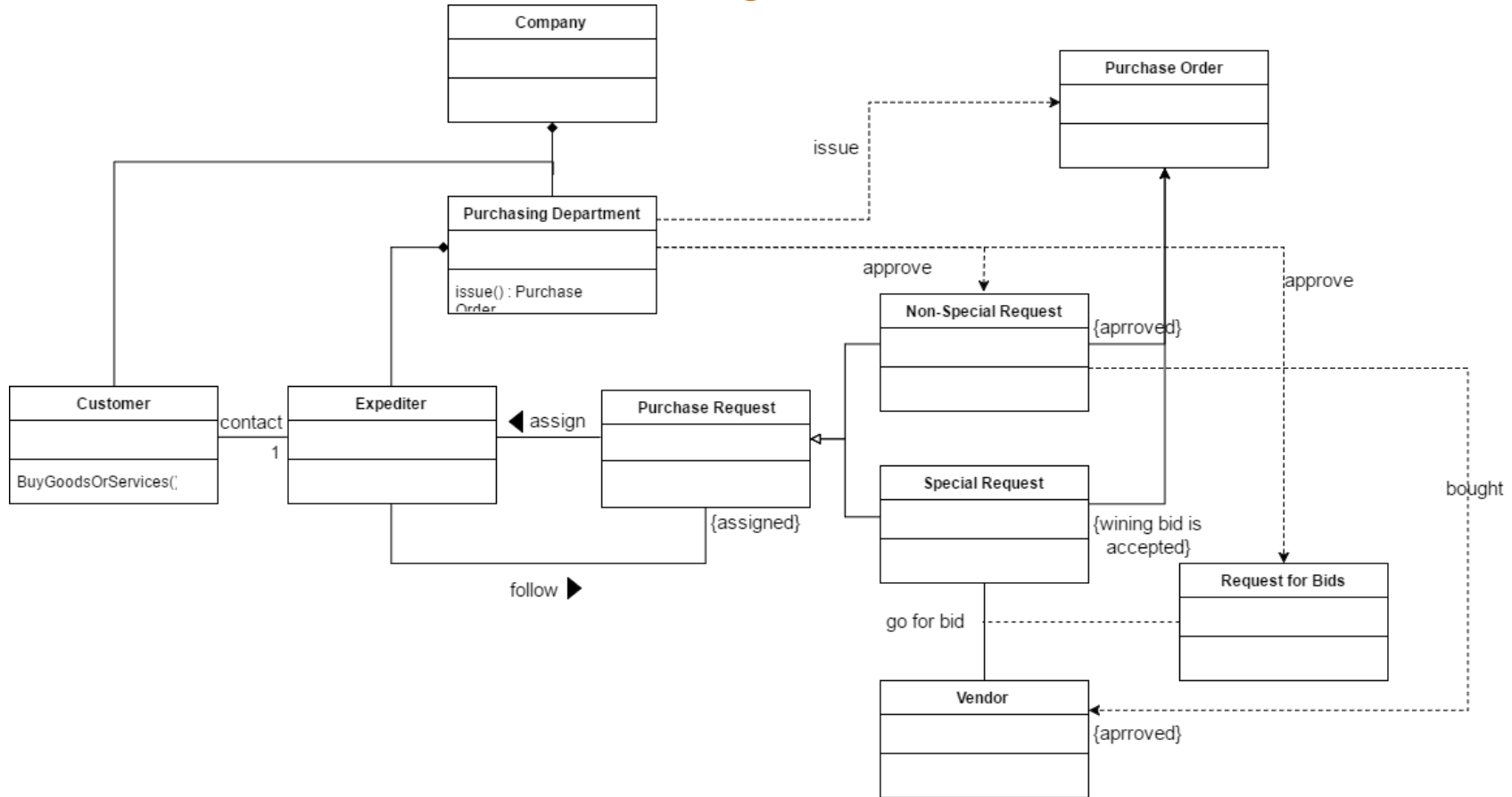


Purchasing Department₄

If the purchase is not by a special customer, the product or service can simply be bought from any approved vendor, but the purchase request must still be approved by the Purchasing Department, and the department must issue a **Purchase Order**. For “special customer” purchases, the Purchasing Department can issue a Purchase Order once the winning bid is accepted.



Purchasing Department₅ Final Diagram



Milk Delivery System

Requirements Statements

A system is to be produced which holds details of deliveries of different brands of milk in a small town.

As well as recording which households take which brands of milk, this system also includes billing details and details of customer vacations when milk will not be delivered.

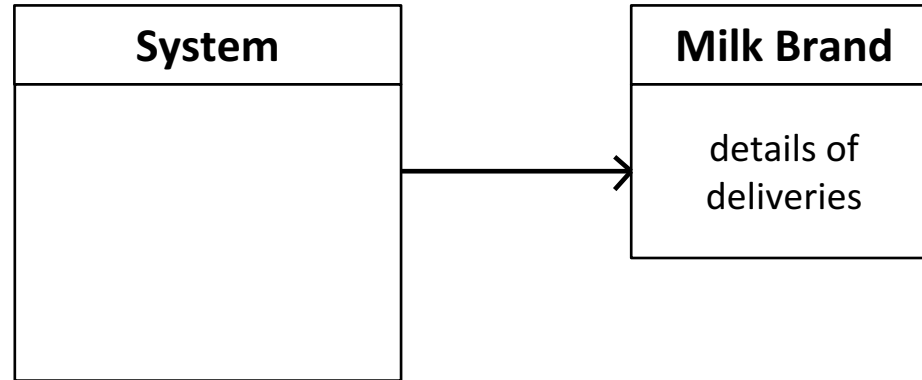
The household will phone the delivery company to change the personal information, like address, to inform of the vacation, and to change the order of milk.

For each delivery person, the system prints a daily list of which brands of milk are to be delivered to which households. The system should also be able to produce summary information showing how many liters of each milk type were sold each day of the week.

Bills for each customer are printed at the end of each month and delivered with the first delivery of the following month.

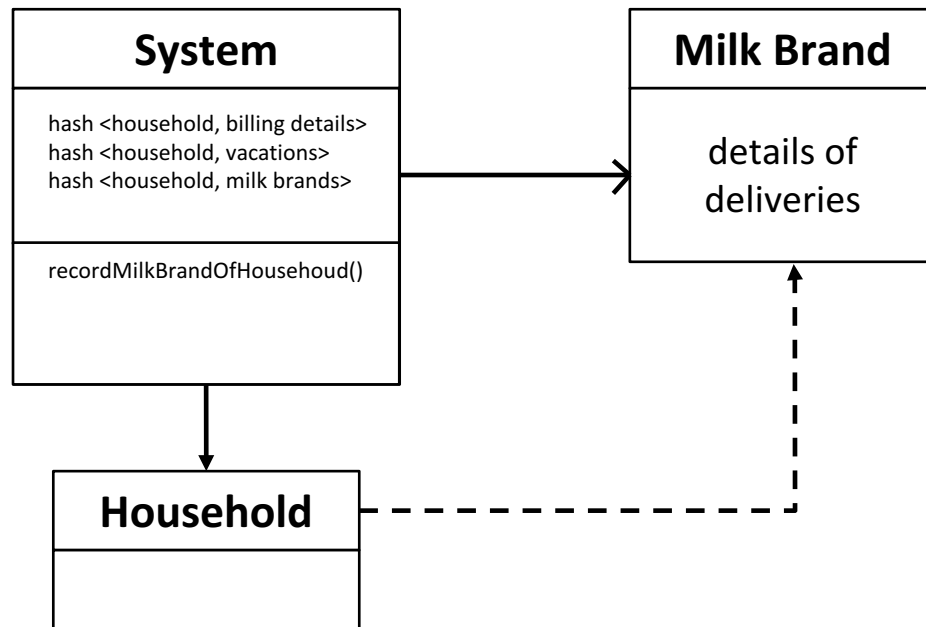
Milk Delivery System₁

A **system** is to **be produced** which **holds** details of deliveries of different brands of milk in a small town.



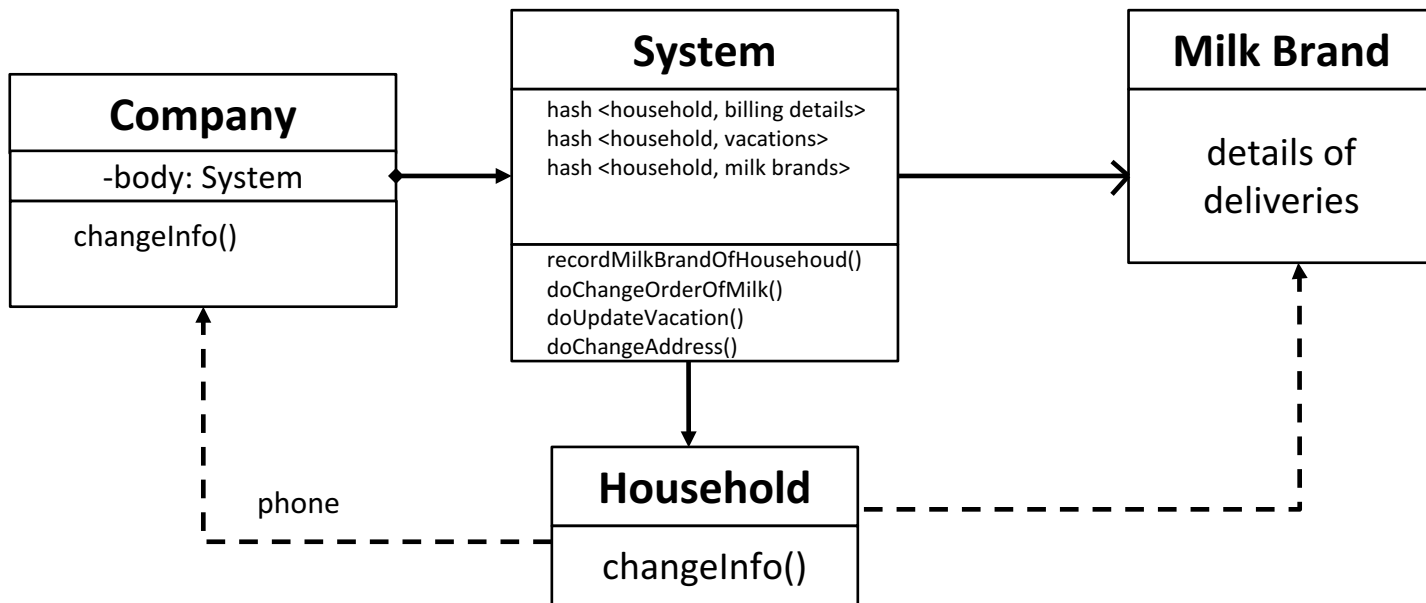
Milk Delivery System₂

As well as recording which **households** take which **brands of milk**, this system also includes **billing details** and **details of customer vacations** when milk will not be delivered.



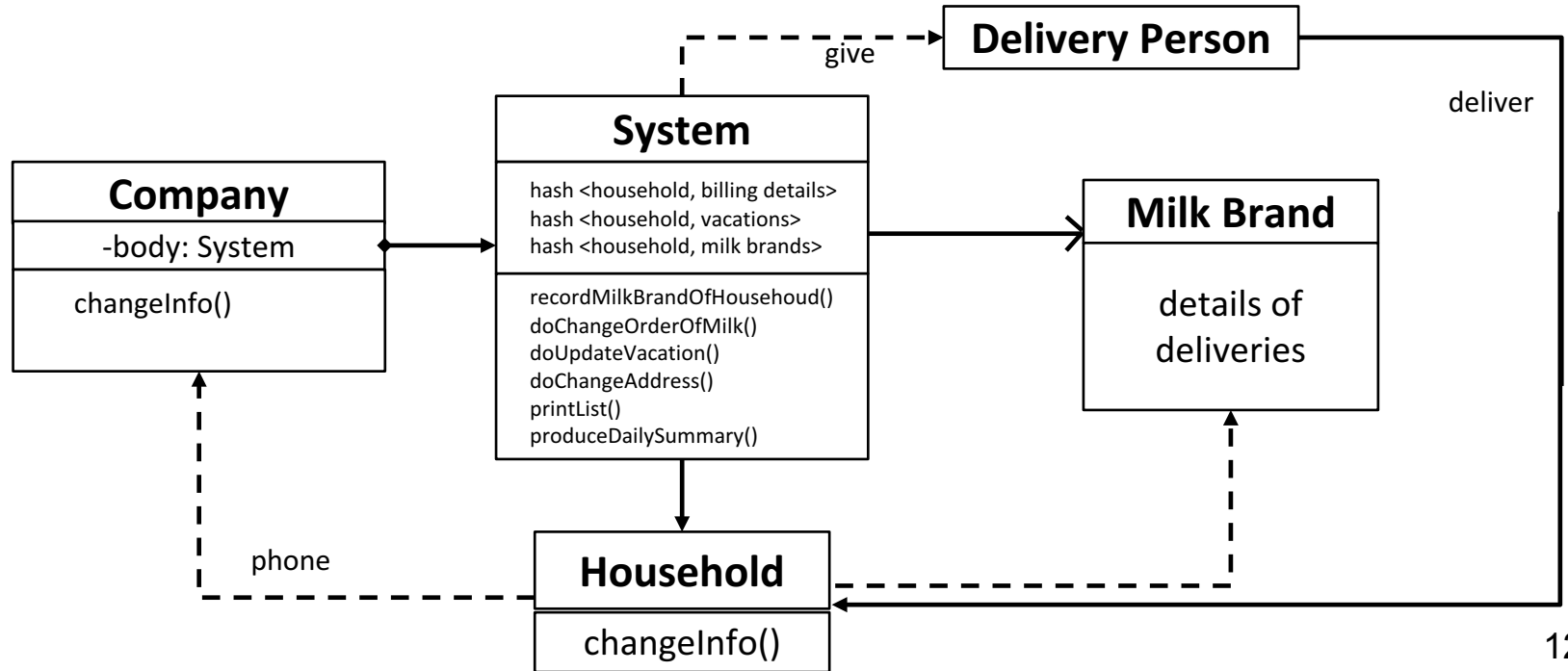
Milk Delivery System₃

The **household** will **phone** the **delivery company** to change the personal information, like address, to inform of the vacation, and to change the order of milk.



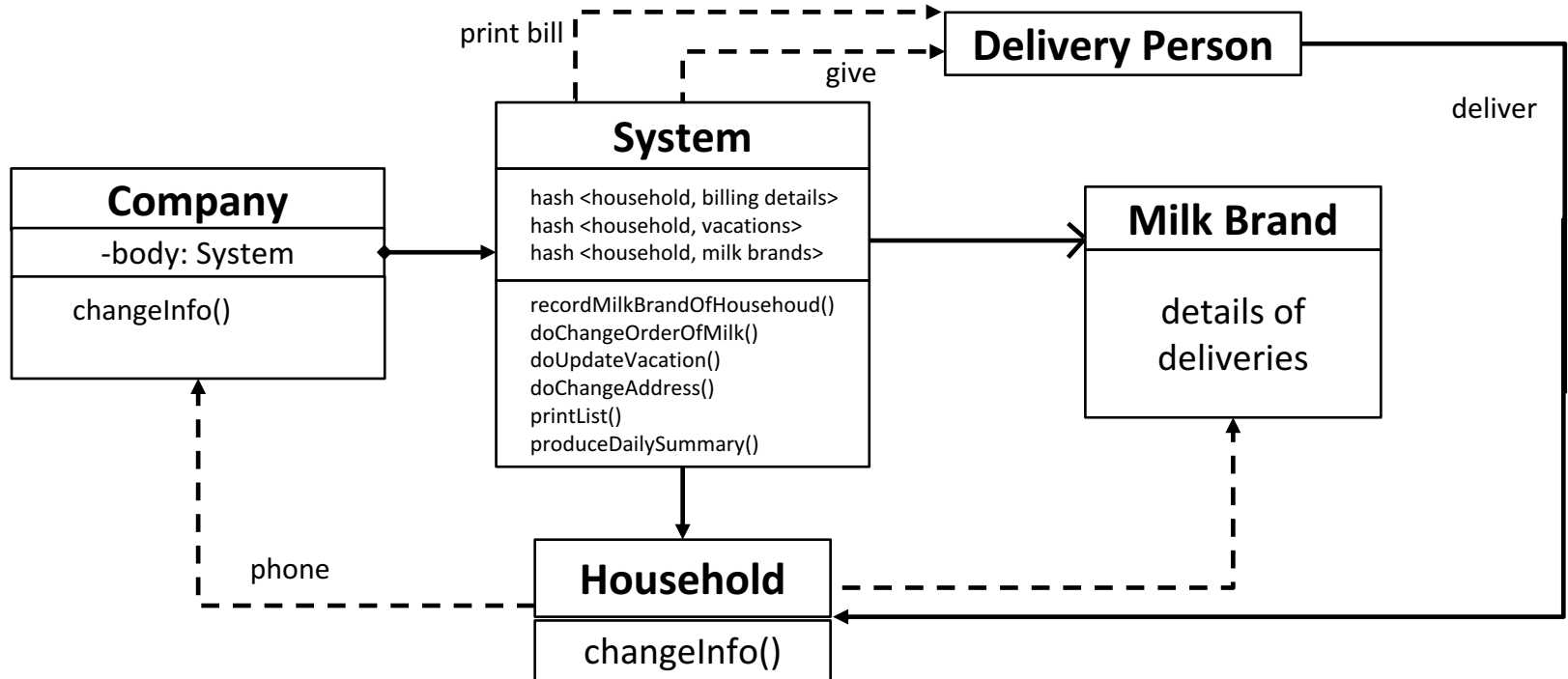
Milk Delivery System₄

For each **delivery person**, the system **prints** a daily **list** of which brands of milk are to be delivered to which households. The system should also be able to **produce summary information** showing how many liters of each milk type were sold each day of the week.



Milk Delivery System₅

Bills for each customer are printed at the end of each month and delivered with the first delivery of the following month.



Milk Delivery System₆ Final Diagram

