



## Principles of Object-Oriented Programing

### Exercise 1

#### 1. Responsibilities of each agent:

Chris- **Requesting/Ordering** a flowers order.

Fred- **Links** between a costumer to Robbin's Florist (forwarding order details).

Robbin's Florist- **Receiving** orders from Fred and then **orders** the specific flowers from the wholesaler. After **receiving** the flowers, **send** them for arrangement to the Flower Arranger, and then **send** to the addressee through the Delivery Person.

Wholesaler- **Receiving** an order and **forwarding** it to the Grower. After the order is complete, the wholesaler **receives** the flowers and **forwards** them to Robbin's Florist.

Grower- **Receiving** the flowers order and **making the order** from the Gardener. After **receiving** from the Gardener, **forwards** them to the wholesaler.

Gardener- **Receiving** the flowers order from the Grower, **picking the specified flowers** and **forwards** them to the Grower.

Flower Arranger- **Receiving** the flowers from Robbin's Florist, **arranging** them for delivery and **forwarding** them to Robbin's Florist.

Delivery Person- **Receives** the flowers from Robbin's Florist and **bringing them** to the addressee (Robin).

Robin- **Receiving** the flowers.

#### 2.

Pair	Client	Server
Chris & Fred	Chris	Fred
Fred & Robbin's Florist	Fred	Robbin's Florist
Robbin's Florist & Wholesaler	Robbin's Florist	Wholesaler
Wholesaler & Grower	Wholesaler	Grower
Grower & Gardener	Grower	Gardener
Robbin's Florist & Flower Arranger	Robbin's Florist	Flower Arranger
Robbin's Florist & Delivery Person	Robbin's Florist	Delivery Person
Delivery Person & Robin	Delivery Person	Robin