

Principles of Object Oriented Programming - Exercise 1

1. Responsibilities:

1.1 **Chris**: Have to require from Fred for the the specific flowers he wants and to provide the destination for the flowers. (in this case he order flowers for Robin).

1.2 **Fred**: Gets the order information from Chris and forward the type of flower and the destiny to Robbin's Florist.

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1.3 **Robbin's Florist**: Have 3 responsibilities:

- a. Require from the Wholesaler the specific type of flowers.
- b. Require from the Flower Arranger to arrange the flowers.
- c. Require from the Delivery Person to deliver the flowers bouquet to the destiny.

1.4 **Wholesaler**: Have to forward the request for the flowers to the Grower. And when he gets the flower he requested for he delivers them back to Robbin's Florist.

1.5 **Grower**: Have to forward the request for the flowers to the Gardener. And when he gets the flower he requested for he delivers them back to the Wholesaler.

1.6 **Gardener**: Have to make the flowers which the Grower asked for and deliver them to the Grower.

1.7 **Flower Arranger**: Gets the flowers bouquet from Robbin's Florist, arrange it and return it back to Robbin's Florist.

1.8 **Delivery Person**: Gets the flowers bouquet from Robbin's Florist and forward it to the destiny.

1.9 **Robin**: Accept the shipping from the Delivery Person.

2. Client-Server:

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

3. Class-diagram: (on the next page)

