

## Problem 4: Buy a computer from Amazon

### Objects and behaviors:

#### InternetService:

Data: name, phoneNumber

Behaviors: connect, reconnect

#### Website:

Data: listOfSellers

Behaviors:

#### Buyer:

Data: what2Buy, name, address

Behaviors: logInto, checkLiability, search, add2shoppingcart,  
makePayment, review, ismeetExpectation

#### Seller:

Data: name, address, reviews, sellinghistory, productdescription

Behavior: confirmOrder, ship

#### Credit Card:

Data: name, bankName, cardNumber, address, securityCode, expirty

Behaviors:

#### Bank:

Data:

Behaviors: authorizedTransaction

## Sequence of invoking behaviors on objects

# BuyingAComputerFromAmazon

User Xin:

### If the Internet.isAvailable

Xin.loginToApp -> username, pin:connected

```
Xin.search(Xin.what2buy) -> Amazon.listOfSellers
```

Loop listOfsellers:

[illegible]

If meetExpectation:

Xin.add2shoppingcart

Xin.makePayment ->creditCard, address: confirmation

Seller.confirmorder -> ship

Break

Else

Internet.reconnect