1. Order a hotel online before a trip

Objects and Behaviors:

Traveler:
    Information: Name, Phone
    Behavior: search(), order(), pay(), cancel(), write()
Website:
    Information: WebsiteName
    Behavior: loginTraveler()
Hotel:
    Information: HotelName, HotelAddress, Price, RoomType,
    Behavior: confirmOrder(), evaluation()
CreditCard:
    Information: Number, Name, CompanyName, SecurityCode
    Behavior:
CreditCardCompany:
    Information: CompanyName
    Behavior: authorizeTransaction()

OrderAHotelOnline:
    Traveler peter
    Website booking
    Hotel hilton
    CreditCard card
    CreditCardCompany boa

```
    loginTraveler(){
        if (websiteName = booking){
            peter.search(hilton, seattle, kingSizeRoom);
            for (int price = 200; price < 500; price ++){
                if (hilton.evaluation() == TRUE)
                peter.order();
            }
        ]else{
            peter.search(booking);
        }
        }
    }

    authorizeTransaction(){
        if (peter.order(hilton) == TRUE){
            peter.write(card, peter, boa, 123);
```

```
        peter.pay();
        hilton.confirmOrder();
        boa.authorizeTransaction();
    }else{
        peter.cantOrder;
    }
}
```