

## -----Order A Hotel Online Before A Trip-----

### Objects and Behaviors:

#### Consumer

Data: name, time, phoneNumber, location, emailAddress

Behaviors: search, compare, book, reviews, callHotel, cancel

#### HotelOrderService

Data: hotelName, price, location, time, roomSize

Behaviors: login, search, sort, display, compare, connectHotel

#### HotelWebsite

Data: URL, RoomService, BankAccount

Behaviors: search, sort, display, compare, getOrder

#### CreditCard

Data: Number, CardHolderName, BankName, ExpirationDate, SecurityCode, EmailAddress

Behaviors: N/A

#### CreditCardCompany

Data: Money, Time

Behaviors: authorizeTransaction

### Sequence of Flow - Invoke Objects with Behaviors

Consumer jack,  
HotelOrderService expedia,  
HotelWebsite marriott,  
CreditCard card,  
CreditCardCompany visa

jack.openApp -> expedia

If expedia.isAvailable

jack.searchForHotel -> expedia, question: Collection of Hotel

expedia.searchForRoom -> price, time, type, hotelName: Collection of Room

loop

if jack.findDesirableRoom

marriott = Room

jack.loginToHotelOrderService -> expedia: authorize

if(authorize is true)

jack.bookRoom->marriott,creditCard

expedia.bookingConfirmation

else

jack.cantBookRoom

end

end

if jack.wantToCallHotel

```
                jack.callHotel ->expedia:connectHotelWebsite
            end
        else
            jack.accessAppLater
        end
    end
```