

Question1 Order a hotel online before a trip

Objects:

Traveller:

Data:Name,Age,ID,Phone,Email

Actions:Search,Order,Cancel,Check,Pay,Review

Device(Computer/MobilePhone):

Data:Type,Version

Actions:OpenBrowser,Search

Hotel:

Data:Website,Name,Price,Status,Pictures,RoomType,Location,Phone

Actions:Record,Cancel,Confirm,Search,Sort,PlaceOrder,Compare

CreditCard/Debitcard:

Data:Number,ValidDate,SecurityNumber,HolderName

Actions:none

CreditCard/DebitcardCompany:

Data:none

Actions:Authorize

Sequence of invoking behaviors on Objects:

Traveller XiaoMing,
Device IphoneXsMax,
Hotel 7daysinn,
CreditCard card,
CreditCardCompany chase

if (XiaoMing.needsHotel)

 XiaoMing.Search->IphoneXsMax,7daysinn:collection of website

 if(XiaoMing.isSatisfied){

 XiaoMing.Order->7daysinn,RoomType

 7daysinn.PlaceOrder:Confirmation

 XiaoMing.Pay->card,chase:Authorize

 7daysinn.Record

 }

 else

 Xiaoming.Search

 end

end