

Order a hotel online before trip

Objects and Behaviors:

Thing(Object)/Entity:

Information(Data)/(State):

Services(Behaviors)/Actions

Things:

Consumer(People who are going to travel):

Data:Name,Address,Phone

Behaviors:makeCall,speak,endCall,listen,order

Internet

Data : Amazon, BestBuy, Alibaba, Google, website2,

: Group of Websites (Collection of Websites)

Behaviors : searchForElectronicWebsites

Hotel

Data:Price,Service,Brand

Behavior:

ElectronicWebsite

Data:URL,Product[] products,BankAccount

Behaviors:search,sort,display,compare,placeTheOrder

Room

Data:Price,Environment,Area

Behavior:

CreditCard

Data:Number,Name,Company,Expiry,Security Code

Behavior:

CreditCardCompany

Data:

Behavior:shoppingConfirmation

Sequence of Flow - Invoke Objects with Behaviors

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Consumer Ricky;
Internet internet;
Hotel Westin;
ElectronicWebsite Booking.com;
ElectronicWebsite Westin.com;
Room room908;
CreditCard card;
CreditCardCompany visa;

If internet.isAvailable

Ricky.search InInternet -> internet,question:Collection of Electronic
Website//Ricky.findDesirableWebsiteInFirstPage -> Collection of Websites:

WebsitepageNumber = 1;

Loop

if Ricky.findsNoPages

break

end

Ricky.findDesirableWebsiteInAPage -> internet,question,page Number:

booking.com = website;

If booking.com is not empty

break

else

pageNumber =pageNumber +1

end

End

booking.com = website;

If booking.com is not empty or booking.com != null

booking.com.searchForHotel -> priceRange,Service,Brand :Collection of hotel

Westin = hotel

Westin.com = website;

If Westin.com is not empty or Westin.com != null

Westin.com.searchForRoom -> priceRange,Environment,Area:Collection of room

room908 = Room;

Ricky.orderroom908 -> room908,creditCard,address,Westin:shoppingConfirmation

visa,shoppingConfirmation shoppingConfirmation ->

response = shoppingConfirmation

Else

Ricky.cantOrder

Ricky.browseInternetAfterAWhileBack