

Order a hotel online before a trip

Objects & Behaviours:

Internet:

Data : tripAdvisor, agoda, makeMyTrip

Behaviour : checkForConnection, searchForHotelBookingWebsite
:collectionOfWebsites(Group of websites)

HotelBookingWebsite

Data : econoLodge, hiltonGarden, qualityInn

Behavior : search, sort, display, askForPayment

Hotel

Data : name, url, address ,phoneNumber

Behavior : search, sort, display, askForPayment

User

Data : name ,phoneNumber, Address, idCard

Behaviour : search, sort, review, bookHotel, makePayment, cancel

TripLocation

Data : name, address, nearbyTouristSpots

Behaviour :

CreditCard

Data : cardNumber, name, expiryDate, code

Behavior : makepayment

CreditCardCompany

Data : name, authorizationPin

Behaviour : confirmTransaction ,sendOtp

Sequence of invoking behaviours on objects:

Internet xfinity;

HotelWebsite tripAdvisor;

Hotel econoLodge;

User tom;

TripLocation miami;

CreditCard card;

CreditCardCompany company;
ShoppingConfirmation response;

If xfinity.isAvailable

tom.searchForHotelBookingWebsite→ xfinity→ collectionOfWebsites:website

pageNumber=1;

Loop

If tom.cannotFindAnyPages

break;

end

tom.findDesiredwebSite→xfinity,pageNumber:website

tripAdvisor= website

if tripAdvisor.isEmpty

break;

else

pageNumber=pageNumber+1;

end

End

tripAdvisor = website

If tripAdvisor.isEmpty or tripAdvisor!=null

tom. searchForDesiredHotel → miami,priceRange, nearbyTouristSpots : CollectionOfHotels

econoLodge = hotel;

tom.bookHotelOnline→ econoLodge

tom.makePayment→ econoLodge, creditCard, Cardexpiry:ShoppingConfirmation

response=shoppingConfirmation

else

tom.cantBookHotel

end

else

tom.searchAfterSometime

end

