

Problem: Order a Hotel Online Before a Trip

Things:

Consumer

Data: Name, Address, Phone, Age

Behaviors: search, review, compare, book, change, cancel, refund

Internet

Data: Group of Websites

Behaviors: searchForHotelBookingWebsites

HotelBookingWebsites

Data: URL, Hotels, AvailableDates, BankAccount

Behaviors: search, sort, display, compare, placeOrder

Hotel

Data: Location, Rate, Roomsize, BedSize, Facilities, Parking, Transportation; Date

Behaviors: checkAvailabilities, assignRoom, Reserve

Card

Data: Name, Number, Company, ExpirationDate, CVV

Behaviors:

Card Company

Data: CompanyName

Behaviors: authorizeTransaction

ReserveHotelOnline

Consumer Ching

Internet internet

HotelBookingWebsites booking

Hotel hotel

Card card

CardCompany visa

ReservationComformation response

If Internet.isAvailable

Ching.searchInInternet -> internet, question: Group of Websites

// Ching.findsdesirableWebsiteInFirstPage -> Group of Websites : WebsitePageNumber

= 1;

Loop

If Ching.findsNoPage

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        Break
    End
    Ching.findsdesirableWebsiteInFirstPage -> internet, question, pageNumber:
Website
    booking = website;
    If booking is not empty
        Break
    Else
        pageNumber = pageNumber + 1
    End
End
booking = website
if booking is not empty or booking != null
    booking.searchForHotel -> Location, rate, room, bed, facilities, parking, date
    hotel = Hotel
    ching.reserveHotel -> hotel, card, booking: ReservationComfirmation
    reponse = ReservationComfirmation
Else
    Ching.canNotMakeReservation
Else
    Ching.checkInternetConnection

```