Book a hotel online before trip

Things:

Internet Connection

Data: Trivago, Kayak, Hotels.com, Booking.com etc. (list of hotel booking websites)

Behavior: searchForWebsites

User

Data: Name, Address, Phone

Behavior: Search, Compare, Book, Cancel, Reschedule

Hotel Website

Data: Website name, List of hotels, Address of hotels, Rating

Behavior: Search, Compare, Sort, Book, Payment

Hotel

Data: Name, Address, Phone, Availability, Rating, Cost

Credit Card

Data: Name, Number, Limit, Expiry Date, Security Code

Credit Card Company

Data: Name

Behavior: authorizeTransaction

Payment Gateway

Data: Name

Behavior: authorizePayment

Sequence:

Internet internet

User john

HotelWebsite trivago

Hotel hyatt

CreditCard card

CreditCardCompany visa

PaymentGateway stripe

BookinigConfirmation response

If internet.available

john.searchForWebsite 🡪 internet : collection of websites

//john find desirable website in first page

PageNumber = 1

Loop

If john.findsNoPageInWebsite break

End

john.searchDesirableWebsite

john.findsDesirableWebsite

Trivago = website

If trivago is not empty

break

else

pageNumber = pageNumber +1

end

end

trivago = website

if trivago is not empty or trivago is != null

trivago.searchForHotel 🡪 cost, availability, rating : collection

of hotels

hyatt = hotel

john.bookHotel 🡪 hyatt, credit card, payment gateway,

address, phone, trivago : booking

confirmation

If stripe.authorizedPayment and visa.authorizedTransaction

John.paymentSuccessful 🡪 payment gateway, credit

card

Response = bookingConfirmation

else

john.paymentFailure

end

else

john.cantBookHotel

end

else

john.browseInternetLater

end