**INFO5100 Assignment Week1**

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**Question1:**

The process of buying a camera from Amazon

Objects and behaviors

Buyer :

Data: e-mail, password, OTP, shipping address,credit card number and password, credit card MY, credit card PCV, rest money of credit card

Behavior: enterEmailAndPassword, enterOtp, loginSuccess, searchForCamera, enterShippingAddress, placeOrder

Seller :

Data: OTP, resultOfSearch, price,total price

Behavior: sendOtpToUserEmail, authorize, checkOtpCorrect, checkResultOfSearch; showResultOfSearch, checkShippingAddress,checkCreditCardNumberAndPassword, checkCreditCardMY, checkCreditCardPCV, showPrice, showTotalPrice, showSuccessOrder, checkRestMoneyOfCreditCard,

Buyer jackal

Seller amazon;

Class: userLogin

jackal.enterEmailAndPassword->amazon: authorize

If (authorize is true)

amazon.sendOtpToUserEmail

Jackal.enterOtp->amazon: checkOtpCorrect

If(checkOtpCorrect is true)

Jackal.loginSuccess

else

error;

else

error;

Class: userSearchForCamera

jackal.searchForCamera->amazon: checkResultOfSearch

If (checkResultOfResult is true)

amazon.showResultOfReuslt

esle

error;

Class: userBuyCamera

amzon.showPrice

jackal.enterShippingAdress

jackal.choosePayMethod

jackal.enterCreditCardNumberAndPassword

jackal.enterCreditCardMY

jackal.enterCreditCardPCV

If(checkCreditCardNumberAndPassword && checkCreditCardMY && checkCreditCardPCV is true )

amazon.checkShippingAddress

amazon.showTotalPrice

jackal.placeOrder

amazon.checkRestMoneyOfCreditCard

If(restMoneyOfCreditCard >= totalPrice )

amazon.showSuccessOrder

else

error;

else

error;

**Question2:**

Design a platform for buying tickets of local events

Objects and behaviors

Buyer :

Data: e-mail, password, ,credit card number and password, credit card MY, credit card PCV, rest money of credit card

Behavior: enterEmailAndPassword,loginSuccess ,searchForEvents, chooseEvent, placeOrder

Platform :

Data: resultOfSearch, price,total price

Behavior: authorize, checkResultOfSearch; showResultOfSearch, checkShippingAddress, checkCreditCardNumberAndPassword, checkCreditCardMY, checkCreditCardPCV, showPrice,showTotalPrice, showSuccessOrder, checkRestMoneyOfCreditCard, sendTicketToBuyerEmai

Buyer jackal

Platform abc;

Class: userLogin

jackal.enterEmailAndPassword->abc: authorize

If (authorize is true)

Jackal.loginSuccess

else

error;

Class: userSearchForEvents

jackal.searchForEvent->abc: checkResultOfSearch

jackal.enterDateOfEvent

jackal.enterNameOfEvent

If (checkResultOfResult is true)

abc.showResultOfReuslt

esle

error;

Class: userBuyTickets

jackal.chooseEvent

abc.showPrice

jackal.choosePayMethod

jackal.enterCreditCardNumberAndPassword

jackal.enterCreditCardMY

jackal.enterCreditCardPCV

If(checkCreditCardNumberAndPassword && checkCreditCardMY && checkCreditCardPCV is true )

abc.showTotalPrice

jackal.placeOrder

abc.checkRestMoneyOfCreditCard

If(restMoneyOfCreditCard >= totalPrice )

abc.showSuccessOrder

abc.sendTicketToBuyerEmail

else

error;

else

error;

**Question3:**

Design an app to book a doctor’s appointment using your medical insurance provider

Objects and behaviors

user :

Data: e-mail, password, OTP, bill shipping address, name of illness

Behavior: enterEmailAndPassword, enterOtp, loginSuccess, searchForCamera, enterShippingAddress, placeOrder,

app :

Data: OTP, resultOfSearch, price,total price

Behavior: sendOtpToUserEmail, authorize, checkOtpCorrect, checkResultOfSearch; showResultOfSearch, checkShippingAddress,checkCreditCardNumberAndPassword, checkCreditCardMY, checkCreditCardPCV, showPrice, showTotalPrice, showSuccessOrder, checkRestMoneyOfCreditCard,

user jackal

app health;

Class: userLogin

jackal.enterEmailAndPassword->health: authorize

If (authorize is true)

amazon.sendOtpToUserEmail

jackal.enterOtp->health: checkOtpCorrect

If(checkOtpCorrect is true)

jackal.loginSuccess

else

error;

else

error;

Class: userBookRegister

jackal.enterNameOfIllness

If(nameofillness is true)

health.checkRestOfDoc

If(restofdoc > 0)

health.showRestOfDoc

health.showBookTime

If(BookTime > 0)

health.showSuccessBook

else

return;

else

return

else

return

**Question4:**

Design a platform for searching jobs

Objects and behaviors

User :

Data: e-mail, password,type of job, age, sex, price

Behavior: enterEmailAndPassword, loginSuccess ,enterType, enterAge, enterSex, enterRangeOfPrice

Platform :

Data: resultOfSearch, related job

Behavior: authorize, checkResultOfSearch; showResultOfSearch, recommandRelatedJob

User: jackal

Platform abc;

Class: userLogin

jackal.enterEmailAndPassword->abc: authorize

If (authorize is true)

jackal.loginSuccess

else

error;

Class: userSearch

jackal.enterType

jackal.enterAge

jackal.enterSex

jackal.enterRangeOfPrice

abc.checkResultOfSearch

If(type && age && sex && rangeofproce is true)

abc.showResultOfSearch

else

abc.recommandRelatedJobr;

**Question5:**

Order pizza from dominos

Objects and behaviors

Buyer :

Data: phone number, password, shipping address,credit card number and password, credit card MY, credit card PCV, rest money of credit card

Behavior: enterPhoneNumberAndPassword, loginSuccess, searchForPizza, choosePizza, enterShippingAddress, placeOrder

Seller :

Data: OTP, resultOfSearch, price,total price

Behavior: authorize, checkResultOfSearch; showResultOfSearch, checkShippingAddress, checkCreditCardNumberAndPassword, checkCreditCardMY, checkCreditCardPCV, showPrice, showTotalPrice, showSuccessOrder, checkRestMoneyOfCreditCard,

Buyer jackal

Seller dominos;

Class: userLogin

jackal.enterPhoneNumberAndPassword->dominos: authorize

If (authorize is true)

Jackal.loginSuccess

else

error;

Class: userSearchForPizza

jackal.searchForPizza->dominos: checkResultOfSearch

If (checkResultOfResult is true)

dominos.showResultOfReuslt

esle

error;

Class: userBuyPizza

jackal.choosePizza

dominos.showPrice

jackal.enterShippingAdress

jackal.choosePayMethod

jackal.enterCreditCardNumberAndPassword

jackal.enterCreditCardMY

jackal.enterCreditCardPCV

If(checkCreditCardNumberAndPassword && checkCreditCardMY && checkCreditCardPCV is true )

dominos.checkShippingAddress

abc.showTotalPrice

jackal.placeOrder

abc.checkRestMoneyOfCreditCard

If(restMoneyOfCreditCard >= totalPrice )

dominos.showSuccessOrder

else

error;

else

error;