Course Title:	Software REQs Analysis SPEC
Course Number:	COE 691
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Instructor	Rasha Kashef

Assignment/Lab Number:	1
Assignment/Lab Title:	Requirement and Specification Analysis

Submission Date:	Jan 30 2024
Due Date:	Jan 30 2024

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Introduction

The objective of this lab was to review and

Results

Q1.
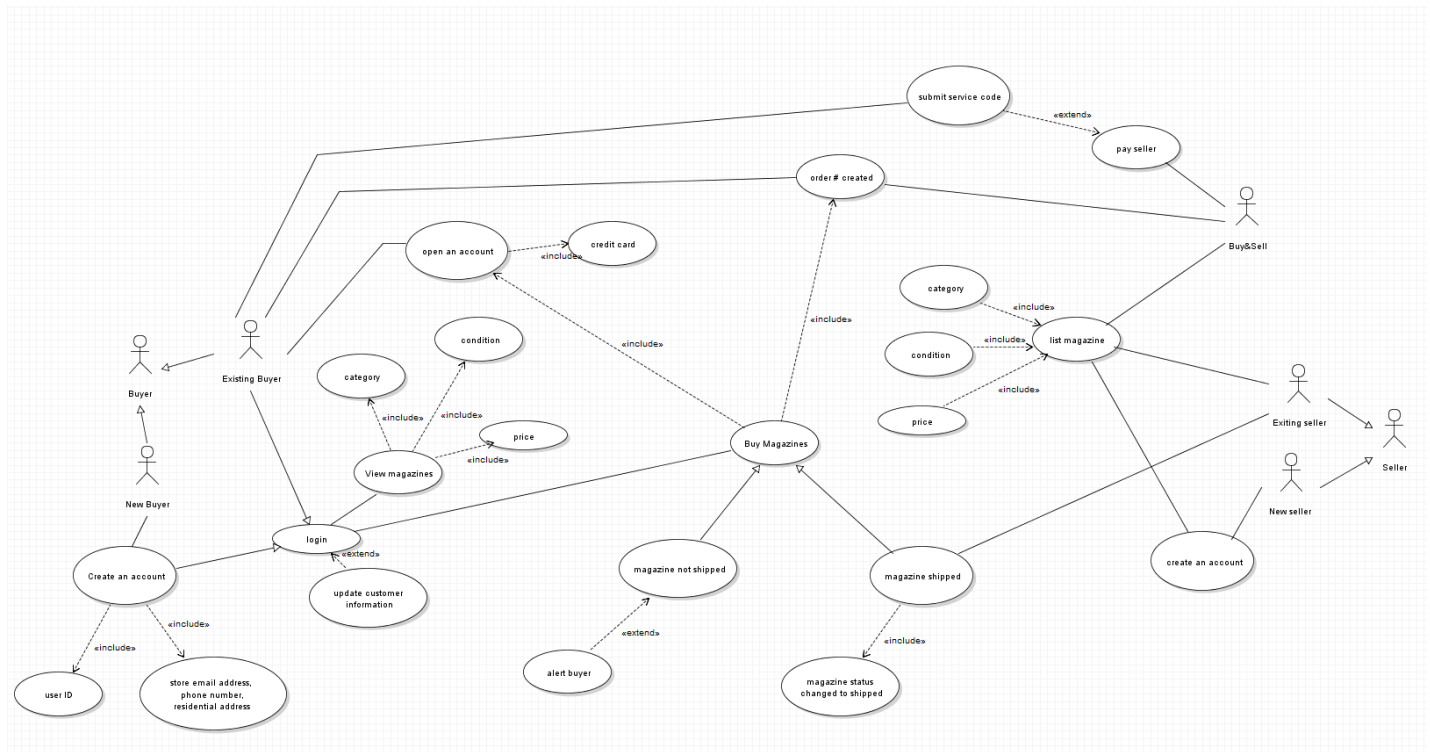
Use case 1: register an account (buyer)
PA: buyer
Goal of stakeholders:
Buyer: create an account to purchase goods
Buy&Sell: Maintain an account for buyer
Pre condition:

Use case 2: list magazines for sale
PA: seller
Goal of stakeholders:
Seller: list available magazines for sale
Buy&sell: maintain an index of magazines
Buyer: be able to view magazines for sale
Pre condition: seller has an account

Use case 3: buy a magazine
PA: buyer
Goal of stakeholders:
Buyer: buy a magazine
Seller: wants customer information to ship
Company: record the transaction and update stock
Pre condition: buyer has an account and magazine exists

Use case 4: get paid
PA: seller
Goal of stakeholders:
Seller: receive the money made from magazine orders from company
Company: pay the seller money owed
Pre condition: seller has an account and made a completed sale in the last 30 days

Use case 5: submit service code
PA: buyer
Goal of stakeholders:
Buyer: enter a service code for the seller
Company: record the service code given by buyer
Pre condition: buyer and seller have accounts

Use case 6: add a seller
PA: seller
Goal of stakeholders:
Buyer: create an account to sell magazines
Company: record the information of sellers
Pre condition: seller information provided is valid

Q2. Descriptions for use cases "Add a seller" and "Record an Order"

Add a seller:

1. Seller selects and establishes connection with online form
2. Seller fills out information form
3. Seller submits the data
4. Data on form is verified
5. Company receives data
6. An account for seller is created
7. Seller is added to company's index of sellers
8. Notify seller that account has been created
9. Seller can start listing magazines for sale

Alt:

1. Connection fails/system error occurs, give option to reload or leave page
2. Form fails to load, give option to cancel
3. Data submission fails, alert seller and cancel data submission
4. Bad data given, or data corruption and company unable to receive data, cancel data submission and alert seller
5. Company unable to verify data given/incorrect data given, cancel form submission and alert seller
6. An account for seller is not created, alert seller that account creation failed

Record an order:

1. Customer places an order
2. Order info placed into order form
3. Order validity verified
4. Customer payment info verified through the bank

5. Transaction allowed to pass
6. Form data sent to secure company servers

Alt:

1. Connection fails/system error occurs, give option to reload or leave page
2. Order is invalid
3. Customer information is invalid
4. Transaction fails to pass
5. Information fails to reach seller
6. Incorrect data filled on form
7. Server issues, data unable to be sent to server

Q3. Sequence Diagrams

Add a seller:

Customer	Order form	Payment company	buy&sell	buy&sell data server

placeOrder()

validateOrder()

sendPaymentRequest()

allowPayment()

sendTransactionInfo()

sendOrderFormInfo()