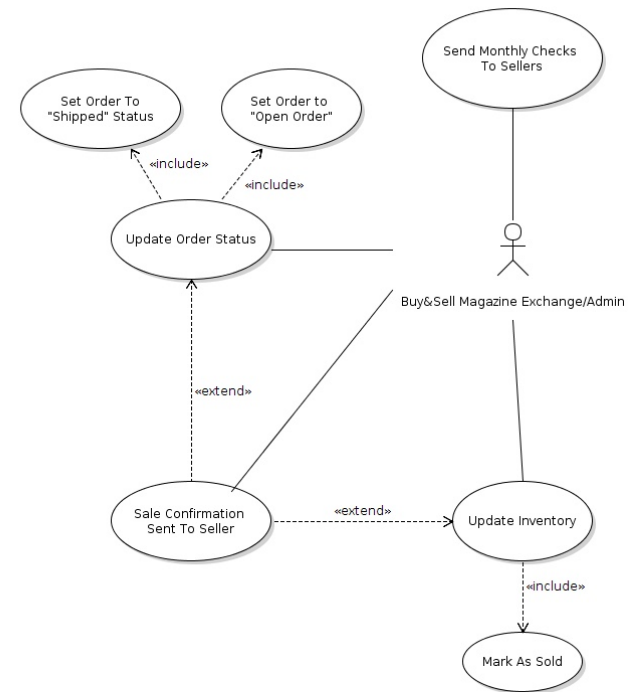
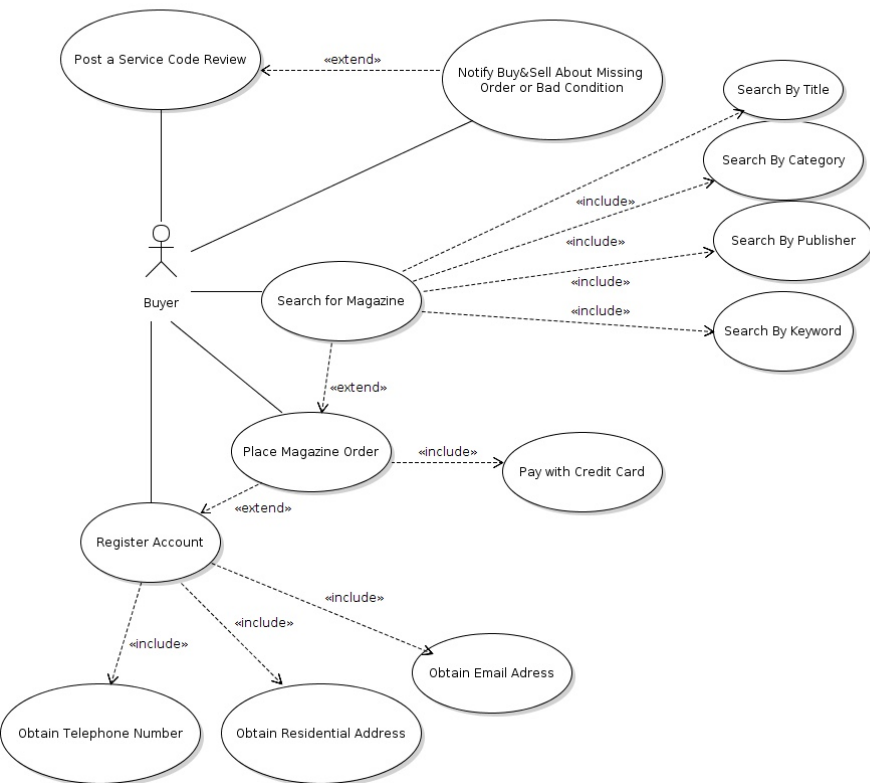
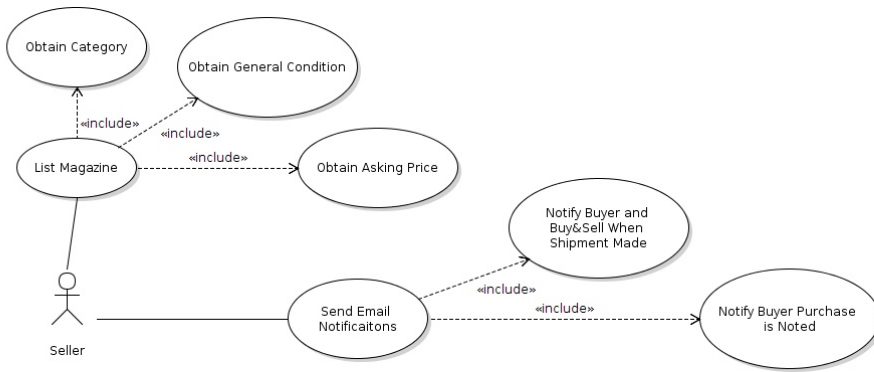


Question #1:Use Cases & Diagram

Use cases:

- Obtain Category
- Obtain General Condition
- Obtain Asking Price
- List Magazine
- Send Email Notifications
- Notify Buyer and Buy&Sell When Shipment Made
- Notify Buyer Purchase is Noted
- Search by Title
- Search by Category
- Search by Publisher
- Search by Keyword
- Post a Service Code Review
- Notify Buy&Sell About Missing Order or Bad Condition
- Set Order to "Shipped" Status
- Set Order to "Open Order"
- Update Order Status
- Send Monthly Checks to Sellers
- Sale Confirmation Sent to Seller
- Update Inventory
- Mark As Sold
- Place Magazine Order
- Pay with Credit Card
- Register Account
- Obtain Email Address
- Obtain Residential Address
- Obtain Telephone Number

Diagram:



Question #2:Use Case Descriptions

Use Case #1- Add a Seller:

Description:

In this use case, a potential seller interacts with the Buy&Sell Marketplace Exchange system in order to register a seller. This is done through the process of filling out a registration form with personal information and then submitting the form. A confirmation email is sent back and account is then created. The seller is also kept in the Buy&Sell database. Once the account is activated, the seller gains access to the secure seller portal where they can list magazines for sale.

Primary Actor:

- Potential Seller

Stakeholders and Interests:

- Potential Seller: Wants to be able to register easily and securely to start selling magazines without too much hassle.
- Buy&Sell Magazine Exchange: Needs accurate seller information to maintain system integrity and provide effective service.

Preconditions:

- Potential seller has access to the operating website

Postconditions:

- New seller account created
- Seller has access to portal to list magazines

Use Case #2 - Record a Magazine Order:

Description:

This use case describes how a magazine order is recorded on the Buy&Sell Magazine Exchange platform. It covers the buyer's process of finding, selecting, and paying for a magazine, and the system's processing of the transaction. After the sale, the system informs the seller, who then confirms the sale and ships the magazine. The system updates the order status

to "shipped" once notified by the seller. The use case ends after 30 days in "shipped" status or when delivery is confirmed.

Primary Actor:

- Buyer

Stakeholders and Interests:

- Buyer: Wants to find and order magazines easily.
- Seller: Wants their magazines to be sold and properly recorded.
- Buy&Sell Magazine Exchange: Needs to accurately record transactions and maintain system reliability.

Preconditions:

- The buyer is registered and has an open account with a credit card.
- The magazine is listed and available for sale.

Postconditions:

- The magazine is marked as sold.
- The seller and buyer are notified of the transaction.
- The order status is updated to 'shipped' once the seller ships the magazine.

Question #3: Sequence Diagrams:

