

## **Use Cases**

### **Buyer**

- Register (as Buyer)
- Search for Magazine
- Buy Magazine (Record a magazine order)
- Open Account
- Add Credit Card Number
- Enter Service Code

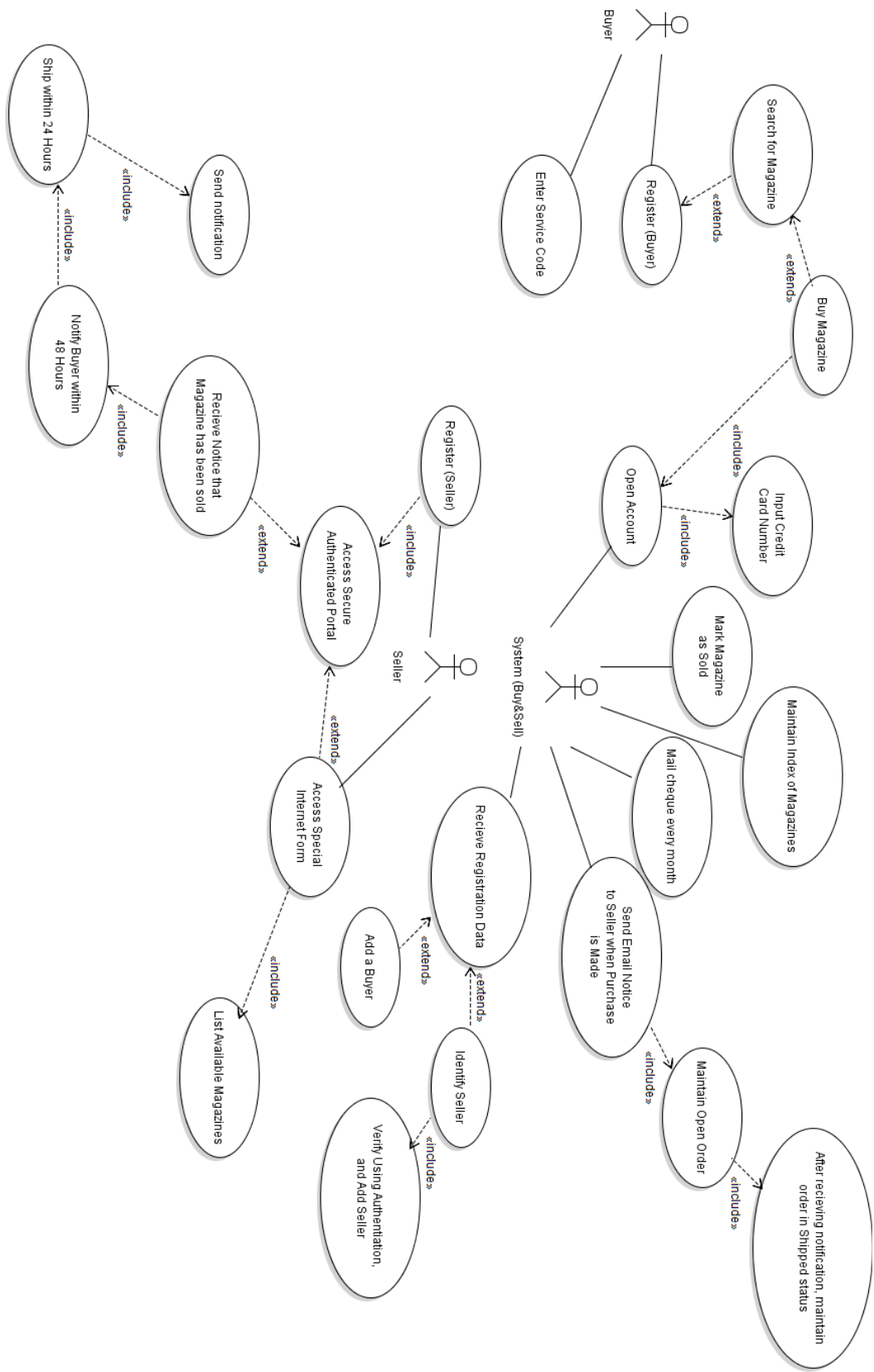
### **Seller**

- Register (as Seller)
- Access Secure Authenticated Portal
- Access Special Internet Form
- List Available Magazines
- Notify Buyer and System/Company

### **System (Buy&Sell)**

- Open Account
- Maintain Index of Magazines
- Send Email Notice
- Maintain an Open Order
- Maintain an order in Shipped Status
- Mark Magazine as sold
- Mail a cheque every month
- Receive Registration Data
- Add a Buyer
- Identify a Seller, verify and authenticate and then Add Seller

Use-Case Diagram



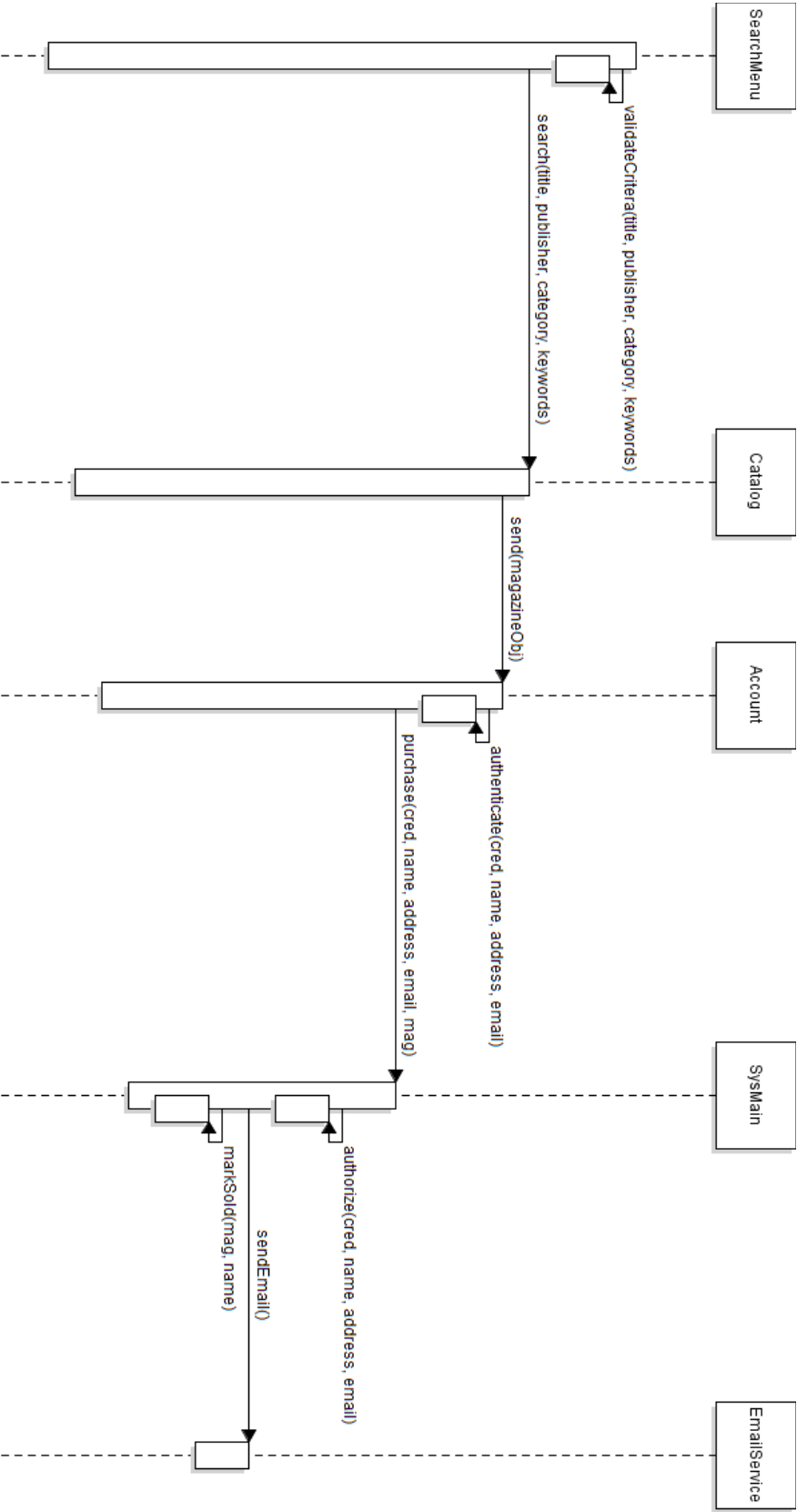
## Description of Use Case 1

Use Case Name	<b>Register (Add a seller)</b>
Triggering Event	<b>Seller</b> would like to register on the company website
Participating Actors	Initiated by <b>Seller</b> (Primary Actor) Communicates with <b>System</b>
Goals of Stakeholders	<b>Seller:</b> wants to register <b>System:</b> wants keep track of new customers and the different transactions
Pre-Condition	<ul style="list-style-type: none"><li>• The <b>Seller</b> has a computer, internet connection and a browser to be able to go to the website</li><li>• The <b>Seller</b> has valid residential address, e-mail, and telephone number</li></ul>
Flow of events (Main Success Scenario)	<ol style="list-style-type: none"><li>1. The <b>Seller</b> clicks the register button on the company website</li><li>2. <b>System</b> responds by representing a secure and authenticated form, specifically for a <b>Seller</b></li><li>3. The <b>Seller</b> enters his residential address, telephone number, and e-mail address into the form, and clicks the submit button</li><li>4. The <b>System</b> verifies the <b>Seller's</b> information and responds by redirecting the <b>Seller</b> to the landing page of the website</li><li>5. The <b>System</b> is now tracking and maintaining a open account for the <b>Seller</b></li></ol>
Exception Conditions	<ul style="list-style-type: none"><li>• The company webpage is down, <b>System</b> responds with error code 500, internal server error</li><li>• The company website doesn't load correctly for the <b>Seller</b>, some elements of the web page are missing</li><li>• When the <b>Seller</b> tries to submit the registration form, the <b>System</b> gives an error message and doesn't register the <b>Seller</b></li></ul>
Post-Condition	<ul style="list-style-type: none"><li>• The <b>Seller</b> is now able to list and sell his/her magazines</li></ul>
Quality Requirements	<ul style="list-style-type: none"><li>• The registration process is quick and concise</li></ul>

## Description of Use Case 2

Use Case Name	<b>Record a magazine order</b>
Triggering Event	<b>Buyer</b> would like to purchase a magazine
Participating Actors	Initiated by <b>System</b> (Primary Actor) Communicates with <b>Buyer</b> and <b>Seller</b>
Goals of Stakeholders	<b>System</b> : wants keep track of the transaction info <b>Buyer</b> : wants to buy a magazine <b>Seller</b> : wants to clear inventory and sell magazines
Pre-Condition	<ul style="list-style-type: none"><li>• The <b>System</b> is live and functional</li><li>• The <b>Buyer</b> is registered on the company website</li></ul>
Flow of events (Main Success Scenario)	<ol style="list-style-type: none"><li>1. The <b>Buyer</b> selects the different parameters he or she would like when searching; magazine title, publisher, category, and any keywords</li><li>2. The <b>Buyer</b> selects a magazine he/she would like</li><li>3. The <b>Buyer</b> opens an account and adds their credit card and other information, and pays for the magazine</li><li>4. Once the payment is made, the <b>System</b> sends a email notification to the <b>Seller</b> of the magazine with the various payment information</li><li>5. The <b>System</b> marks the magazine as sold</li></ol>
Exception Conditions	<ul style="list-style-type: none"><li>• The <b>System</b> is down/not functional</li><li>• The <b>Buyer's</b> credit card info is invalid and the <b>System</b> does not authorize the purchase</li><li>• And email is not sent to the <b>Seller</b></li></ul>
Post-Condition	<ul style="list-style-type: none"><li>• <b>Seller</b> sends an email to the <b>Buyer</b> that the purchase has been noted, and shipping is underway</li></ul>
Quality Requirements	<ul style="list-style-type: none"><li>• The <b>System</b> maintains the <b>Buyer's</b> sensitive credit card information on secure servers</li></ul>

**Sequence Diagram (Add a Seller Use-case)**



Sequence Diagram (Record a Magazine Order Use-case)

