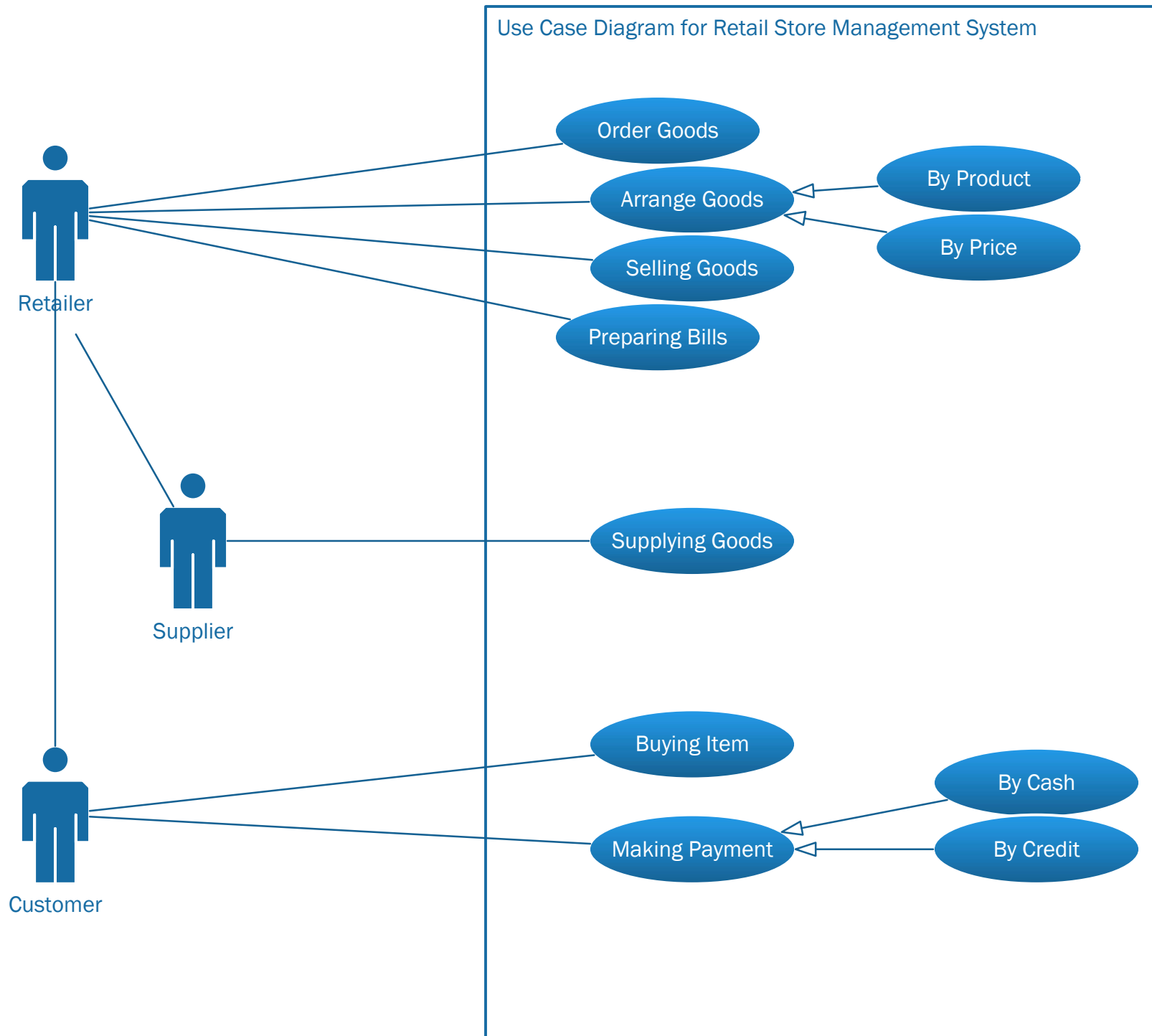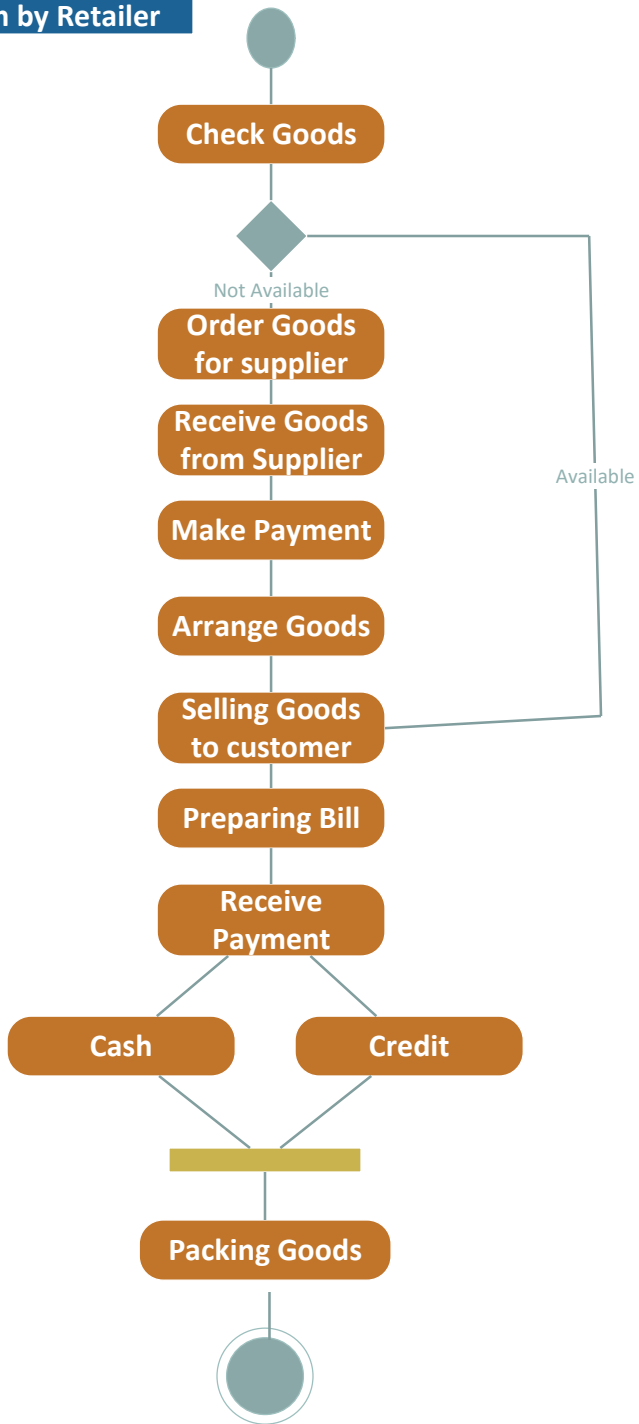# CASE STUDY: Retail Store Management System

The Retail Store Management System is a system designed for managing i.e. For ordering,
arranging and selling goods. The Retailer checks for the availability of goods in the store. If the stock of goods is less then retailer places order for goods. While ordering the goods, goods area received at store, the retailer then arrange them by product or by price,then retailer makes payment. If the stock of goods is available then he will arrange goods for selling. The retailer then sales the goods directly to the customer. The customer buys the items from retailer. The retailer preapares bill for goods purchased by the customer, he receives amount bycredit or by cash from customer. The supplier supplies the goods to the store in the system. The overall sysytem is used to manage the goods in the store.

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Use Case Diagram for Retail Store Management System

Retailer
- Order Goods
- Arrange Goods
- Selling Goods
- Preparing Bills

By Product → Arrange Goods

By Price → Arrange Goods

Supplier
- Supplying Goods

Customer
- Buying Item
- Making Payment

By Cash → Making Payment

By Credit → Making Payment

Activity Diagram for Retail Store Management System by Retailer

Check Goods

Not Available

Order Goods for supplier

Receive Goods from Supplier

Make Payment

Arrange Goods

Available

Selling Goods to customer

Preparing Bill

Receive Payment

Cash

Credit

Packing Goods

Sequence Diagram for Retail Store Management System by Retailer

Retailer	Supplier	Goods	Customer

Order Goods()

Goods Supplied()

Arrange Goods()

Goods Arranged()

Sell Goods()

Goods Sold()

Ask Payment()

Payment Completed()
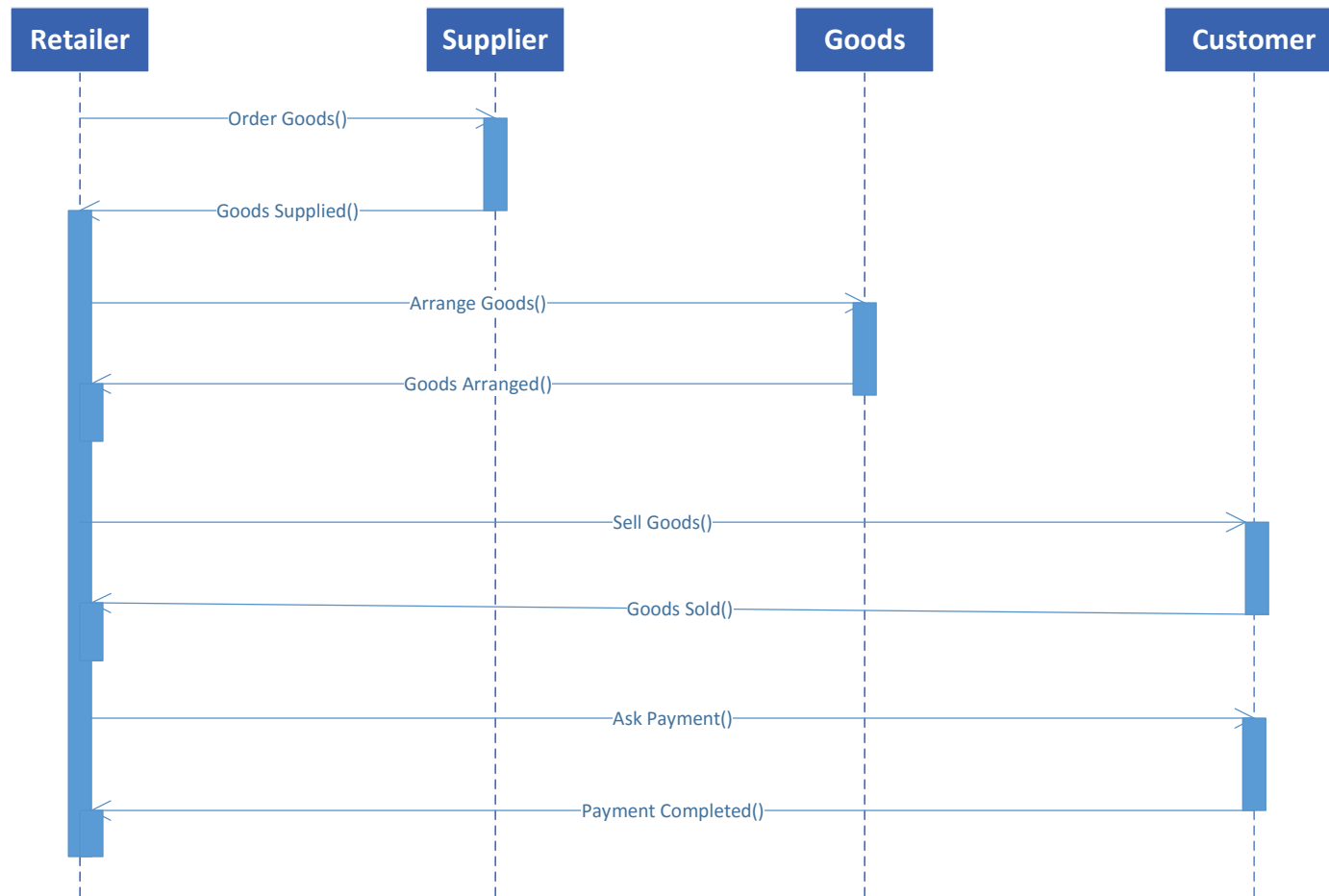
State Chart Diagram for Retail Store Management System

Order → **Order Goods** → Purchase → **Purchase Goods** → **Ideal Goods** → Sell → **Sell Goods** →

Update Goods

Display Goods
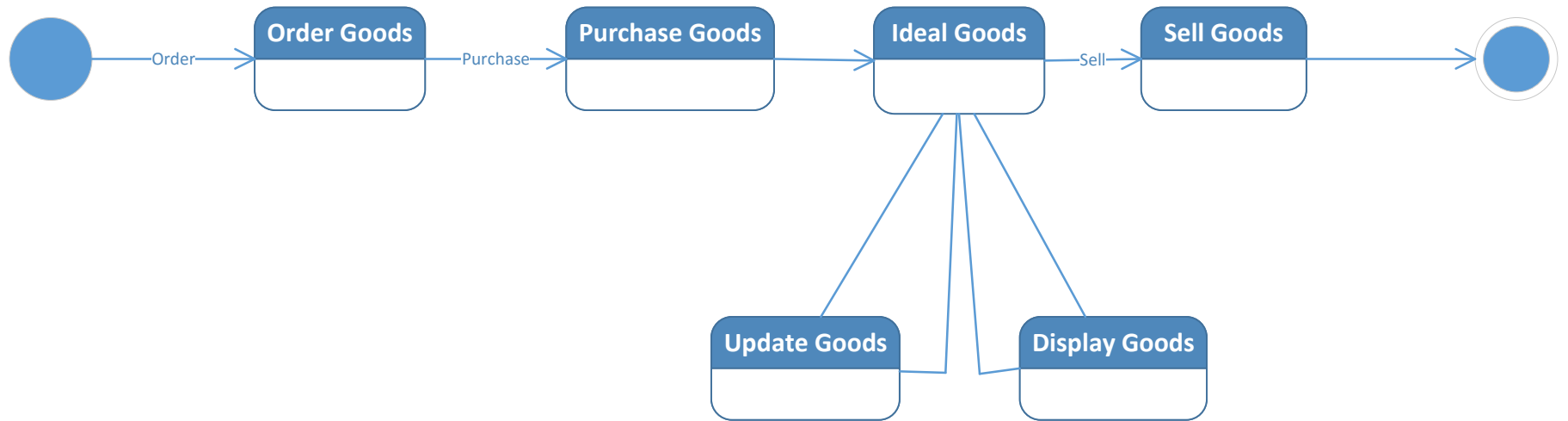
CRC Diagram for Retail Store Management System

Retailer

Responsibilities	Collaboration
Order Goods	Supplier
Arrange Goods	Customer
Sell Goods	
Prepare Bills	

Customer

Responsibilities	Collaboration
Buy Item	Retailer
Make Payment	

Supplier

Responsibilities	Collaboration
Supply Goods	Retailer
ASk for Payment	

Collaboration Diagram for Retail Store Management System By Retailer

1: Order Goods()

Supplier

2: Goods Supplied()

3: Arrange Goods()

Retailer

Goods

4: Goods Arranged()

5: Sell Goods()

Customer

6: Goods Sold()