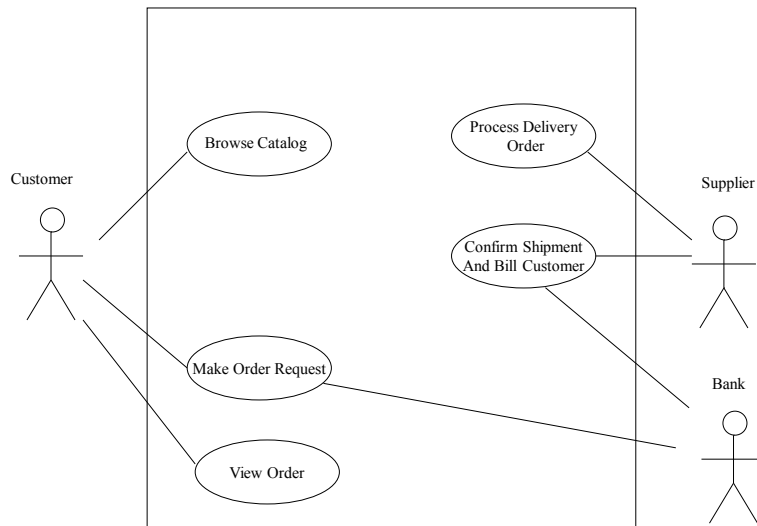Homework#1: CS3365-Fall2017

You are required to implement the Make Order Request use case for the on-line shopping system using an object-orient langauge (C++, C#, or Java). The requirements of Make Order Request are specified by means of the use case model and use case description. You can make your reasonable assumptions for the implementation of this use case if necessary.

Online Shopping System (OSS) - use cases

Make Order Request use case description

Use case name: Make Order Request

Summary: Customer enters an order request to purchase catalog items. The customer's credit card is checked for validity and sufficient credit to pay for the requested catalog items.

Actor: Customer, Bank

Precondition: Customer has selected one or more catalog items

Main sequence:

1. Customer provides order request and customer account Id to pay for purchase.

2. System retrieves customer account information, including the customer's credit card details.

3. System requests to a bank checking the customer's credit card for the purchase amount and, if approved, creates a credit card purchase authorization number.

4. System creates a delivery order containing order details, customer Id, and credit card authorization number.

5. System confirms approval of purchase and displays order information to customer.

Make Order Request use case description

Alternative sequences:

> **Step 2:** If customer does not have an account, the system prompts the customer to provide information in order to create a new account. The customer can either enter the account information or cancel the order.

> **Step 3:** If authorization of the customer's credit card is denied (e.g., invalid credit card or insufficient funds in the customer's credit card account), the system prompts the customer to enter a different credit card number. The customer can either enter a different credit card number or cancel the order.

Postcondition: Customer has purchased items.