

Lab No.5



Submitted to:

- Saadia Shabbir

Submitted by:

- Muhammad Inam Ur Rehman
- Roll No.12008
- BSSE-5B (Morning)

Subject:

- Software Construction and Design

Last Submission Date: 02 - Nov – 2020

Q1 Consider the following use case for depositing money in an ATM and based on the information in this use case, develop a Domain Model diagram using a noun phrase identification technique to represent the relevant conceptual classes with attributes and the association between them

Title: Deposit Money in ATM

Primary Actor: Customer

Main Scenario: The Customer approaches the Bank's ATM The customer inserts his/her card

The ATM requests the customer's PIN

The customer enters his/her PIN

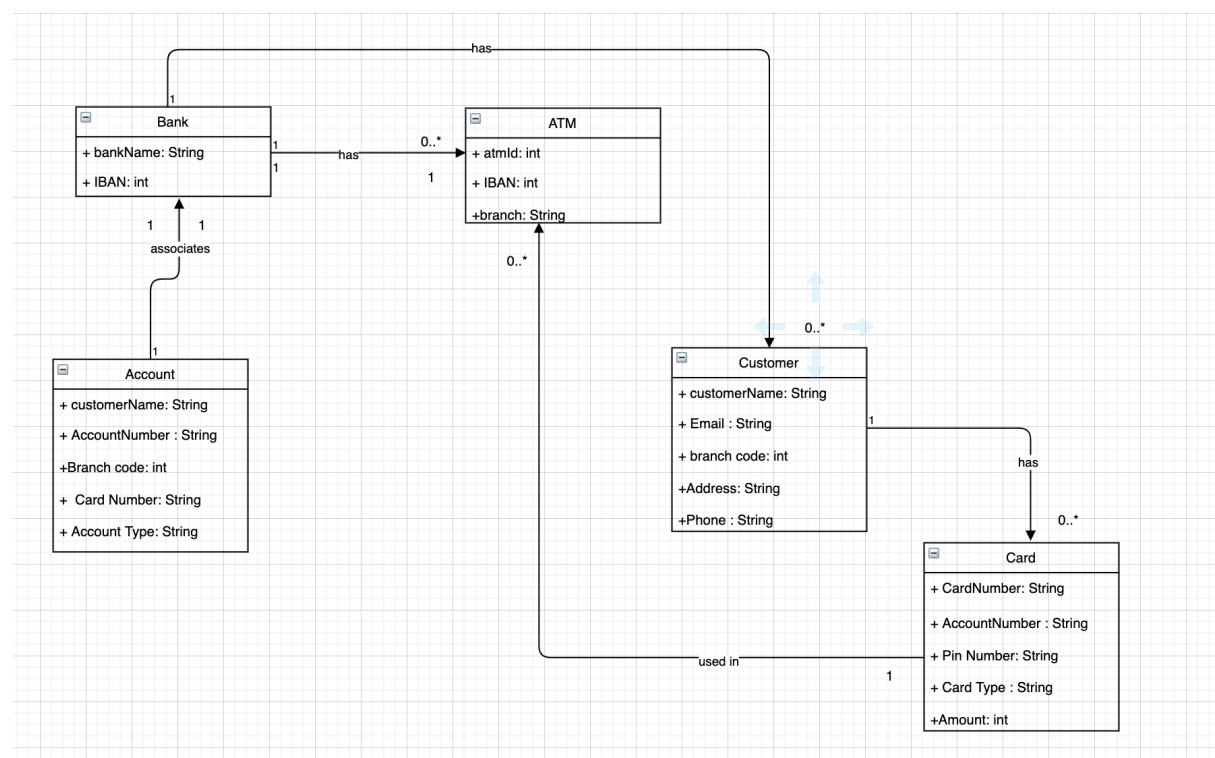
The ATM validates the customer's details The ATM displays a list of actions

The customer selects deposit

The ATM requests the money be inserted The customer inserts the money in the ATM

The ATM adds up the money inserted and asks customer to confirm total The customer confirms the total

The ATM updates the balance of the customer's selected account The ATM returns the customer's card.



Q2 Consider a food ordering system Draw a domain model for this scenario and identify conceptual classes by using following table .

- Physical or tangible objects
 - Register, Airplane
- Specifications, or descriptions of things
 - ProductSpecification, FlightDescription
- Places
 - Store, Airport
- Transactions
 - Sale, Payment, Reservation
- Transaction items
 - SalesLineItem
- Roles of people
 - Cashier, Pilot
- Containers of other things
 - Store, Hangar, Airplane
- Things in a container
 - Item, Passenger
- Computer or electro mechanical systems
 - CreditPaymentAuthorizationSystem, AirTrafficControl
- Catalogs
 - ProductCatalog, PartsCatalog
- Organizations
 - SalesDepartment, Airline

