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"Creating of Culture of Excellence"

Lab Mid Exam

Course Title : System Analysis & Design

Course Code : CSE- 325

Task Name : (1) Use Case Diagram of a Banking Management System.
(2) Class Diagram of an Online Shopping System.
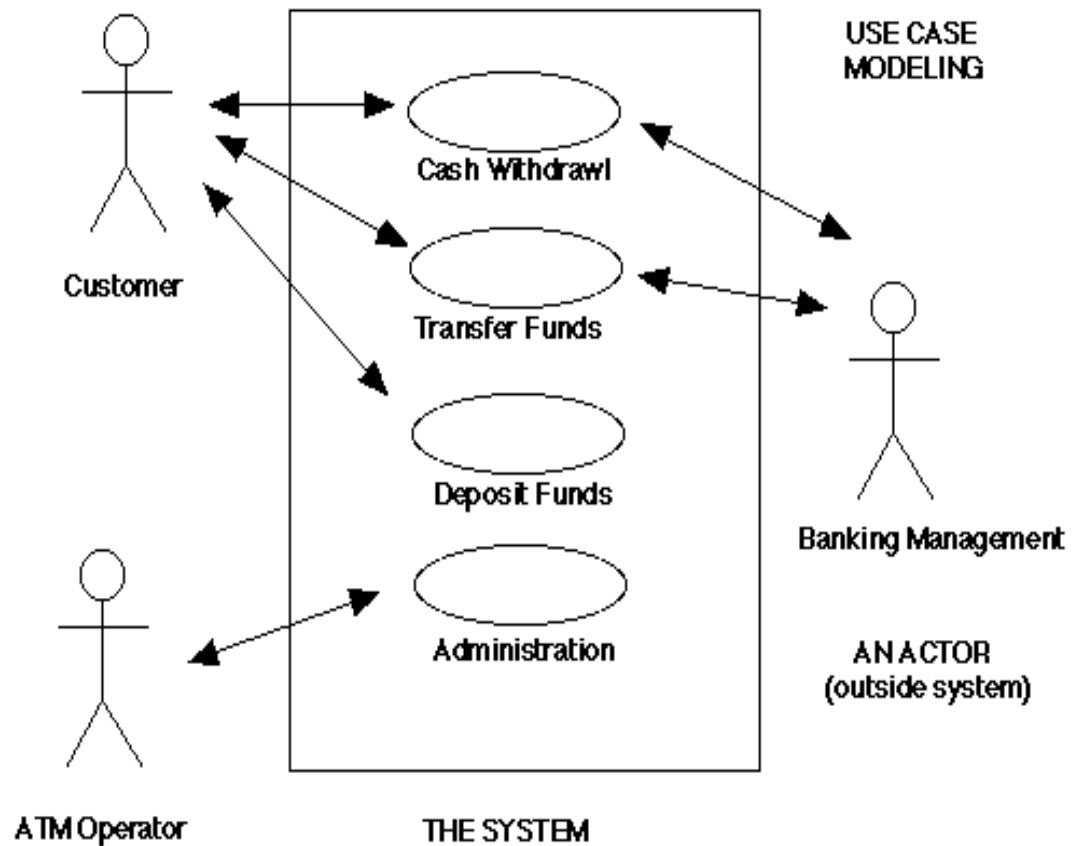
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1. Use Case Diagram of a Banking Management System.

USE CASE
MODELING

Cash Withdrawl

Transfer Funds

Customer

Deposit Funds

Banking Management

Administration

AN ACTOR
(outside system)

ATM Operator

THE SYSTEM

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2. Class Diagram of an Online Shopping System.

Web User

login_id: String {id}
password: String
state: UserState

Customer

id: String {id}
address: Address
phone: Phone
email: String

Payment

id: String {id}
paid: Date
total: Real
details: String

«enumeration» UserState

New
Active
Blocked
Banned

Account

id: String {id}
billing_address: Address
is_closed: Boolean
open: Date
closed: Date

Shopping Cart

created: Date

Order

number: String {id}
ordered: Date
shipped: Date
ship_to: Address
status: OrderStatus
total: Real

LineItem

quantity: Integer
price: Price

«enumeration» OrderStatus

New
Hold
Shipped
Delivered
Closed

Product

id: String {id}
name: String
supplier: Supplier