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"*Creating of Culture of Excellence*"

Lab Mid Exam

Course Title : System Analysis & Design

Course Code : CSE- 325

Task Name : (i) Use Case Diagram of a Banking Management System.

(ii) Class Diagram of an Online Shopping System.
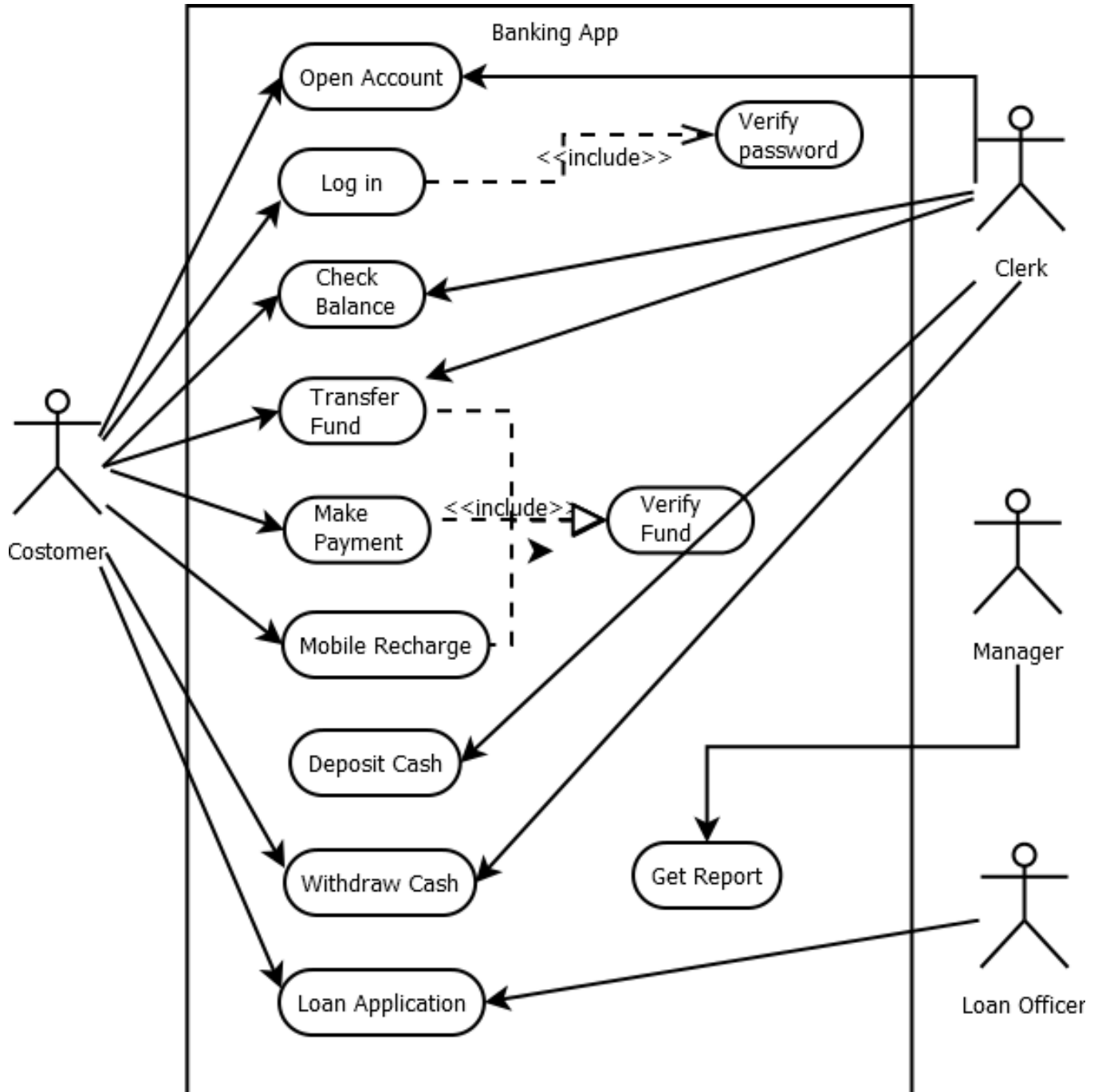
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(i) Use Case Diagram of a Banking Management System.

Banking App

- Open Account
- Log in — <<include>> → Verify password
- Check Balance
- Transfer Fund
- Make Payment — <<include>> → Verify Fund
- Mobile Recharge
- Deposit Cash
- Withdraw Cash
- Get Report
- Loan Application

Costomer

Clerk

Manager

Loan Officer

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(ii) Class Diagram of an Online Shopping System.

Guest
+Session_id: string
+View_product()
+Register_account()

Customer
+Customer_id: int(id)
+Full_Name: string
+Customer_Address: String
+Customer_Phone: int
+Customer_Email: string
+Credit_Card_No: string

+Register()
+Login()

Product
+Product_id: int(id)
+Product_Name: string
+Product_details: string
+Price: int
+Supplier: string

+Product_info()
+Item_quantity()

Administrator
+Admin_id: int(id)
+Admin_Name: string
+Email: string
+Update_product()
+Add_product()

Account
+Account_id: int(id)
+Password: string
+Billing_address: string
+Open_date: date
+Login_status: int

+Account_info()

Shopping_Cart
+Cart_id: int(id)
+Product_id: int
+Quantity: int
+Date: int

+Add_Cart_Item()
+Update_Quantity()
+Check_out()

Payment
+Payment_id: string(id)
+Pay_date: date
+Payment_type: int
+Payment_status: int
+Payment_details: string

+Payment_info()

Order_Details
+Product_id: int(id)
+Unit_cost: float
+Item_quantity: int
+Sub_total: float

+Calculate_price()
+Total_cost()

Order
+Order_id: int(id)
+Order_date: date
+Shipped_date: date
+shipped_address: string
+status: int

+Place_order()