Object- Oriented System Analysis and Design (UML)

Project

Bank Management System

Submitted To

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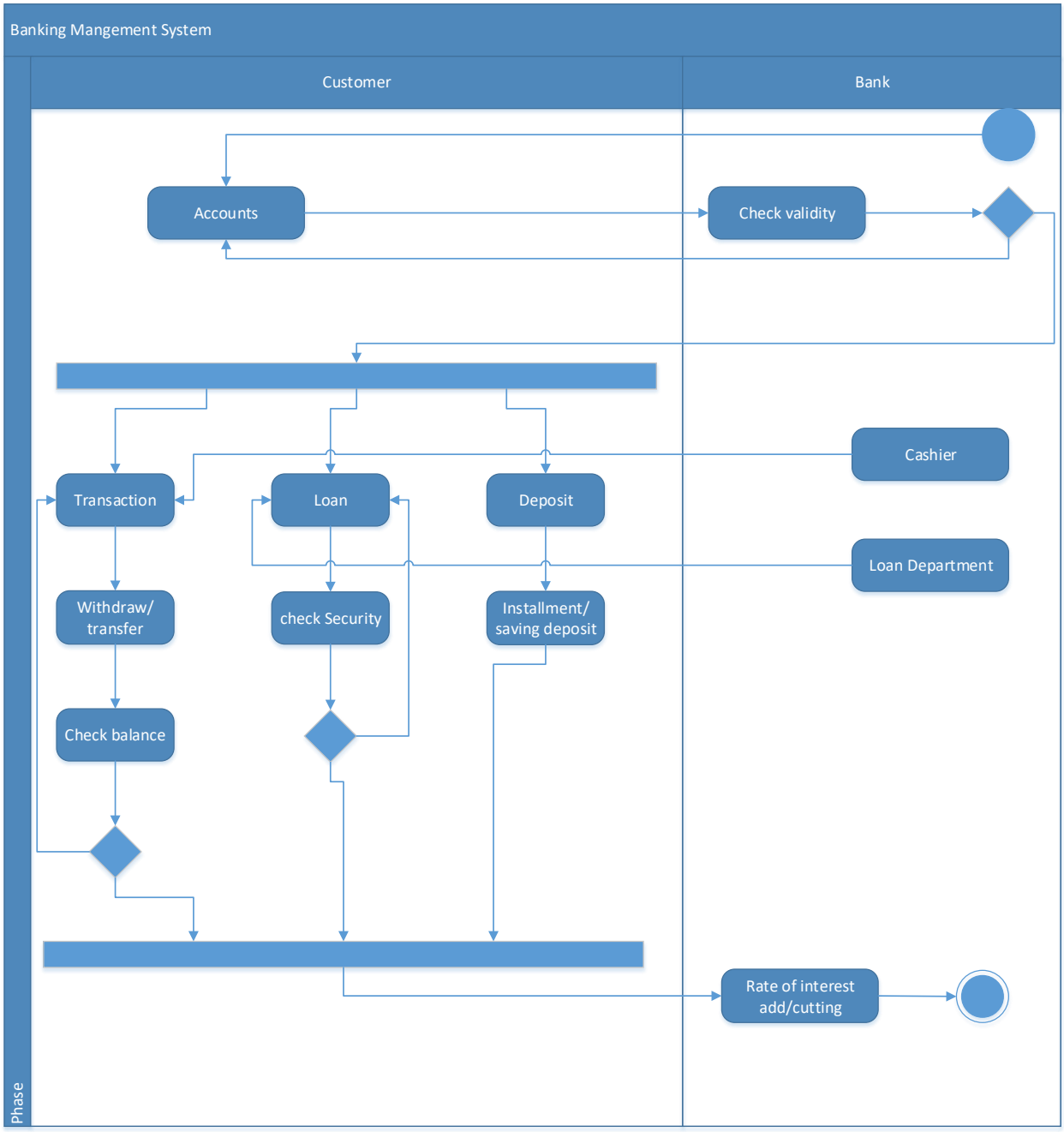
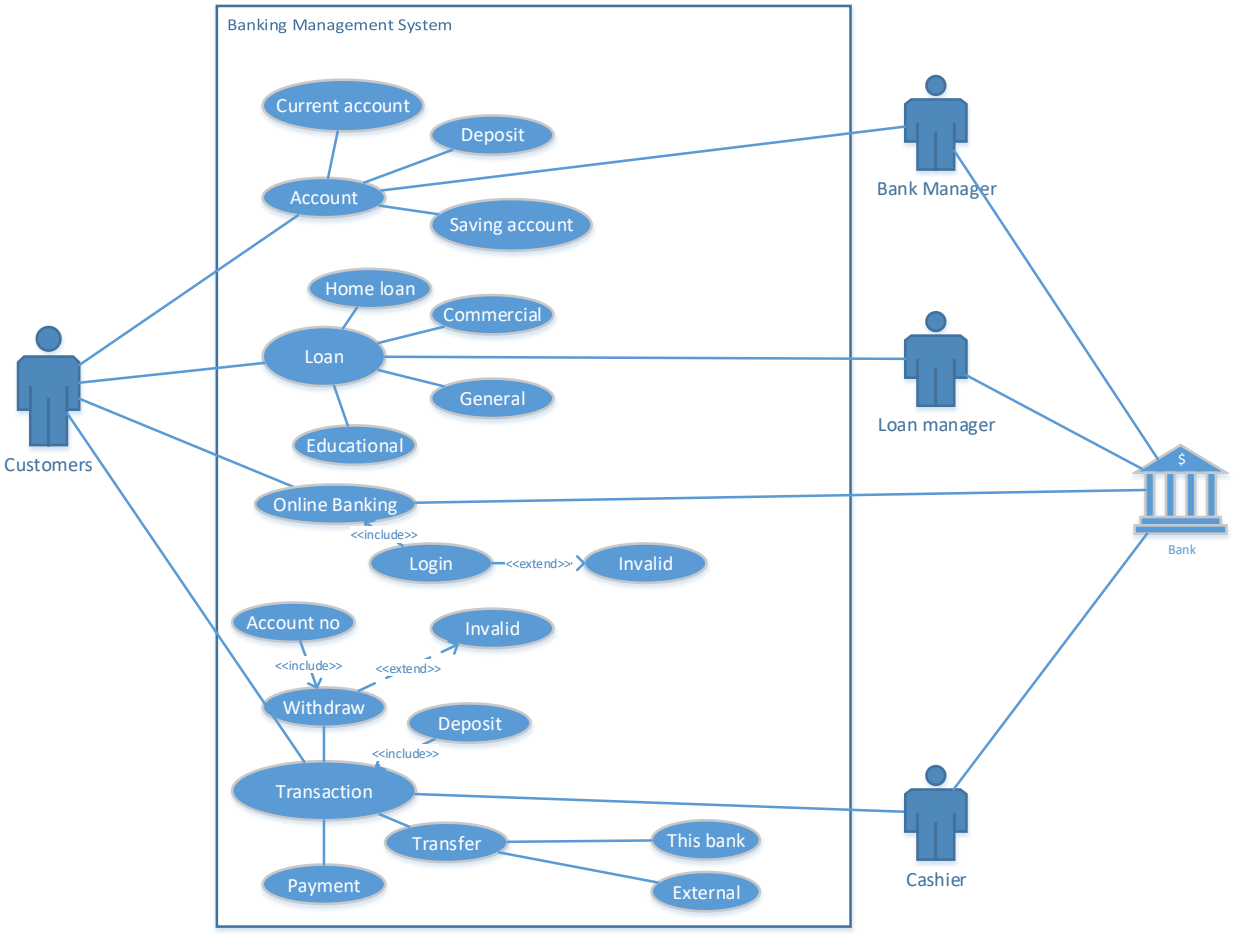
1. **BANK MANAGEMENT SYSTEM ACTIVITY DIAGRAM** – is a designed illustration that shows the systems behavioral aspect. The given Activity Diagram for Bank Management System is here. It shows how the system would interact with the Bank Members and Crews. The interactions given here are based from the activities that usually happened in a Bank Management.



2. A **Use Case diagram for Bank Management System** has given This process is where the bank admin or employees encodes and validates the applicant to have them access their bank account services. They will update the applicants' information as soon as the applicant provided the requirements to be an account holder.

- Monitor and Manage Customers' Information and Status
- Manage and Update Applicants' Account Information
- Manage Withdrawing and Saving Transaction

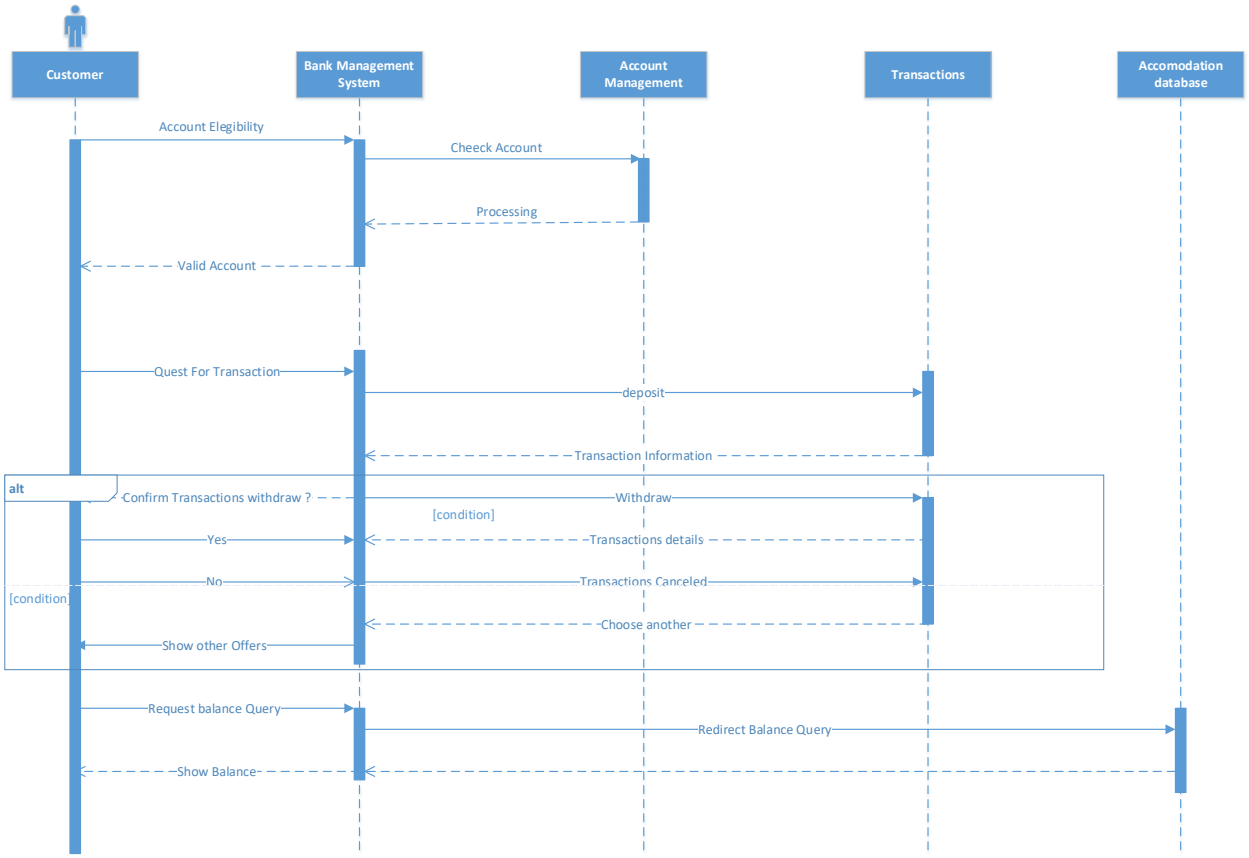


3. Sequence Diagram of Banking Management System: This is the Login Sequence Diagram of Banking Management System, where admin will be able to login in their account using their credentials.

After login user can manage all the operations on Fixed Deposit, Employees, Balance, Current Account, Customer. All the pages such as Balance,

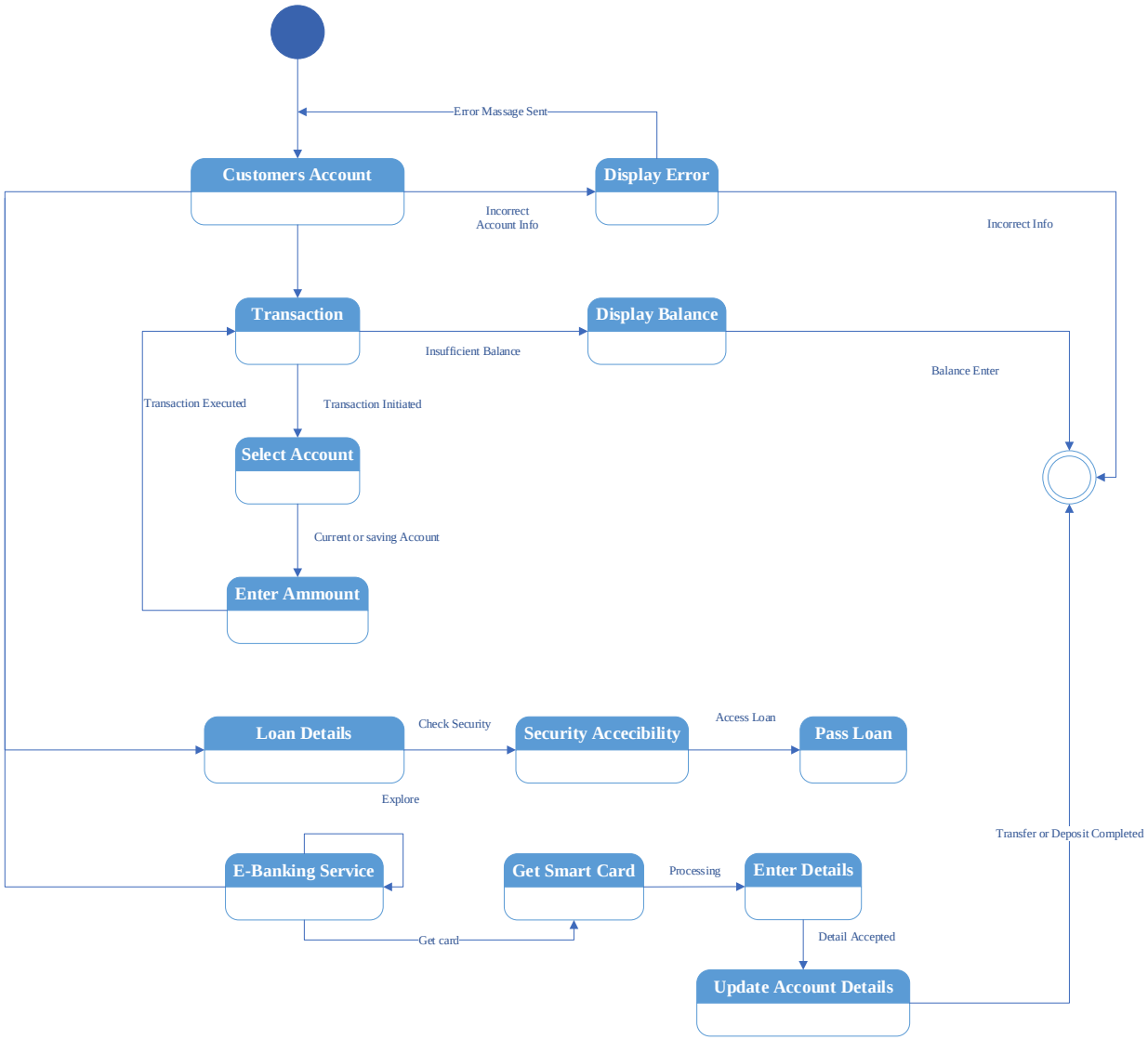
Current Account, Customer are secure and user can access these page after login. The diagram below helps demonstrate how the login page works in

a Banking Management System. The various objects in the Current Account, Fixed Deposit, Employees, Balance, and Customer page—interact over



4. **State Diagrams** are used to model and present the dynamic nature of a system. State Diagrams consists of different states which represent an activity or an action corresponding to an event. An event causes the transitions from a state to another state in the state diagram. Hence a state diagram is a pictorial representation of the flow of control with respect to either internal or external events.

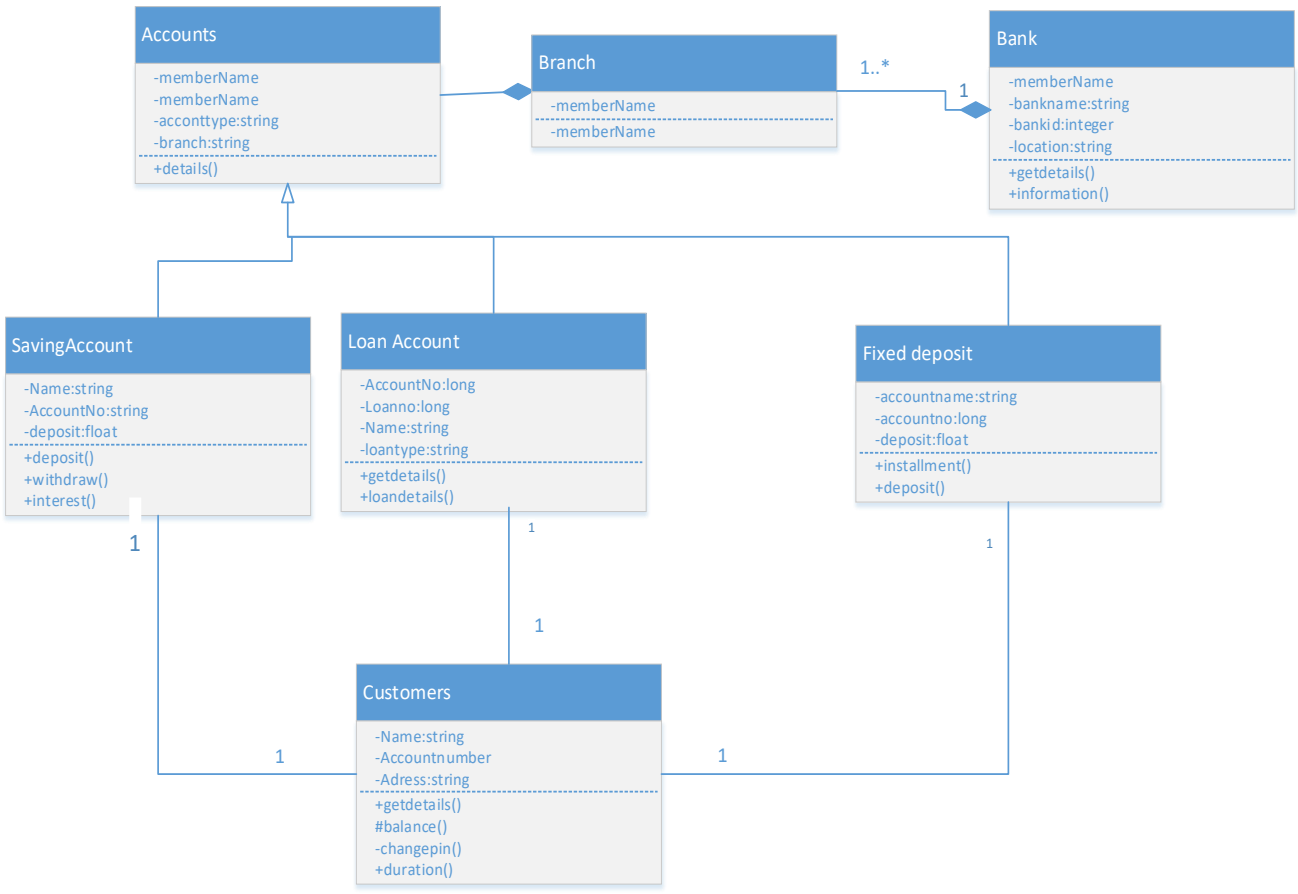
The State Diagram of an Banking System is as follows



5. Class Diagram for Banking System Construction

The illustration shown in this article gives you the hint on how will you design your own Banking System UML Class Diagram. It has the simple idea on how the class Diagram works.

CLASS DIAGRAM – is a designed structure that shows the classes and their relationships. This UML Class Diagram is made to guide programmers along with the Banking system development. It contains the class attributes, methods as well as the relationships between classes. These mentioned contents makes sure that



6. The CRC (Class – Responsibility – Collaboration) diagram

has been prepared for a Banking System with Account Number Portability. Visual Paradigm for UML Quick Start is a tool used to design the Object Oriented Model. Visual Paradigm for UML, VP-UML, is a UML CASE supporting Tool for Business Process Modeling from the Object Management Group [4]. VP-UML supports the key industrial standards such as XMI, Unified Modeling Language (UML), etc. It offers a complete toolset of software development teams which is needed for test planning, class modeling, software planning, requirements capturing, data modeling, and etc.

Bank	
Responsibility	Collaborations
To provide Customers account informations To provide banking activities To provide Customers Information	Customers Accounts Employee

Savins Account	
Responsibility	Collaborations
To Transactions Money To provide Information	Depositmoney Withdraw money Transfermoney

Accounts	
Responsibility	Collaborations
To provide Customers account informations To provide banking activities	CurrentAccounts SavingAccount Loan

Loans	
Responsibility	Collaborations
To provide banking loan To provide loan interset and security	house load general loan Loan

Transaction	
Resposibility	Collaboration
To provide Money transferable to savenig and withdraw facility user friendly activities	