Part A – Design Documentation - UML Diagrams
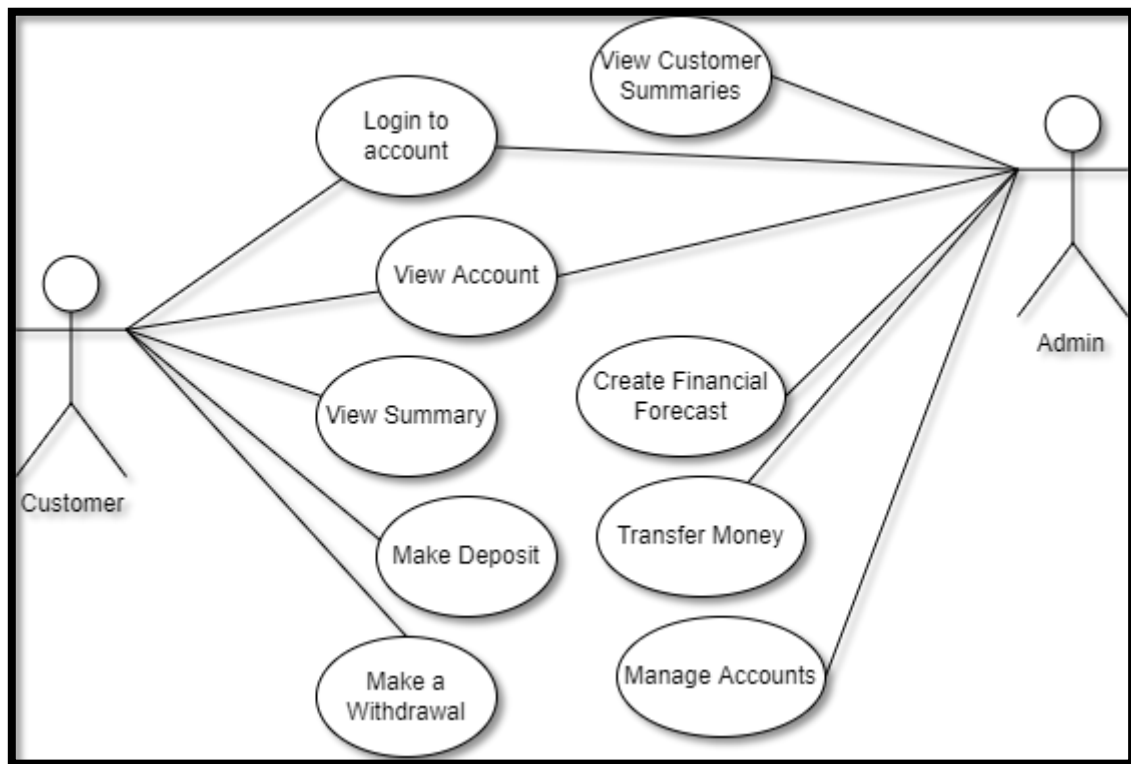
Use Case Diagram

Flowchart Diagram

Start

Input username and password ← Retry Login

Is login correct? —No→ (to Retry Login)

Yes

Is user Admin?

—No→ Display Customer Menu

—Yes→ Display Admin Menu

Customer Menu branch

Input Menu Choice

Input is View Account?

—Yes→ Display Account selection Menu

—No→ Input is View Summary?

Input is View Summary? —Yes→ Display total of accounts and balances + address

—No→ (loops back)

Display Account selection Menu

Input Account Choice

Display Selected Account

Input Account Action

Input is Withdrawal? —Yes→ Input Amount

Input is Withdrawal? —No→ Input is Deposit?

Input Amount → Is Amount > Available Balance

Is Amount > Available Balance —No→ Withdraw Amount

Input is Deposit? —Yes→ Input Amount → Deposit Amount

Admin Menu branch

Input menu choice

Input Customer Summary? —Yes→ Display all customers information

Input Customer Summary? —No→ Input Financial Forecast?

Input Financial Forecast? —Yes→ Display Financial Forecast of all customers

Input Financial Forecast? —No→ Input Transfer Money

Input Transfer Money —Yes→ Display Transfer GUI

Input Account Management? —Yes→ Display Account management GUI