OOAD ASSIGNMENT DOCUMENTATION

1. Requirements elicitation

**Functional requirements**

* Customer registration and authentication
* Opening different account types
* Depositing funds into accounts
* Paying interest to the correct accounts
* Withdrawing funds
* Enforcing account rules
* Viewing transaction history
* Managing customer accounts

**Non-functional requirements**

* Maintainability
* Usability
  + - Color (intuitive design)
    - Design should be privy to modern day trends

**Interview Record**

1. Time

10.35am 18/09/25

1. Venue

Online via Teams

1. Interviewee

Mr. K. Baseki

1. Interviewer

Mr. K. O Kgosimore

**Key Points**

1. Account management
   * + What types of accounts should the system provide?

Cheque

Savings

* + - * 0.075 company rate monthly
      * Individual 0.025 rate monthly

Automated interest rate

Investment

NB. Customer must have one account of each type, accounts should not be recurring

* + - Should customers be allowed to have multiple accounts?

Yes, but one account of each type.

* + - What details should be captured when a new account is created?

Generalization aspect for inheritance in each subclass is required.

For an individual customer

For company

1. Transactions
   * + What kinds of transactions should be handled by the system?

Deposit amount

* + - * In the investment account minimum is P500.00
      * For the other two, accounts can be opened with a minimum amount of P0.00

Withdrawal

* + - * Throws an error if withdrawal amount is more than available balance
    - How should transaction history be displayed to the customer?

Date

Type of transaction

Amount (credit or debit)

Remaining balance

Credited interest rate