

Kwame Bank PLC

Requirement Specification

Kwame Bank PLC | Kwame Oduro

Latest Revision: April 10th, 2025

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Introduction

This file aims to provide details on the requirement specifications for the Bank Account Management System project. The Kwame Bank PLC project is a bespoke one.

Kwame Bank PLC is an application for a (hypothetical) bank that creates various types of accounts for its users. There are three (3) types of accounts that can be created for the proposed system: savings account, current account and fixed deposit account.

Functional Requirements

Authentication

This system has no form of authentication. The user just logs and starts with the account creation.

Accounts

With a **Savings Account**, an account is created by choosing a special 12 digit number, and setting your minimum balance.

With a **Current Account**, an account is created by choosing a special 12 digit number, and setting the overdraft limit.

With a **Fixed Deposit Account**, an account is created by choosing a special 12 digit number, and setting a maturity date.
Every Maturing year has its associated interest.

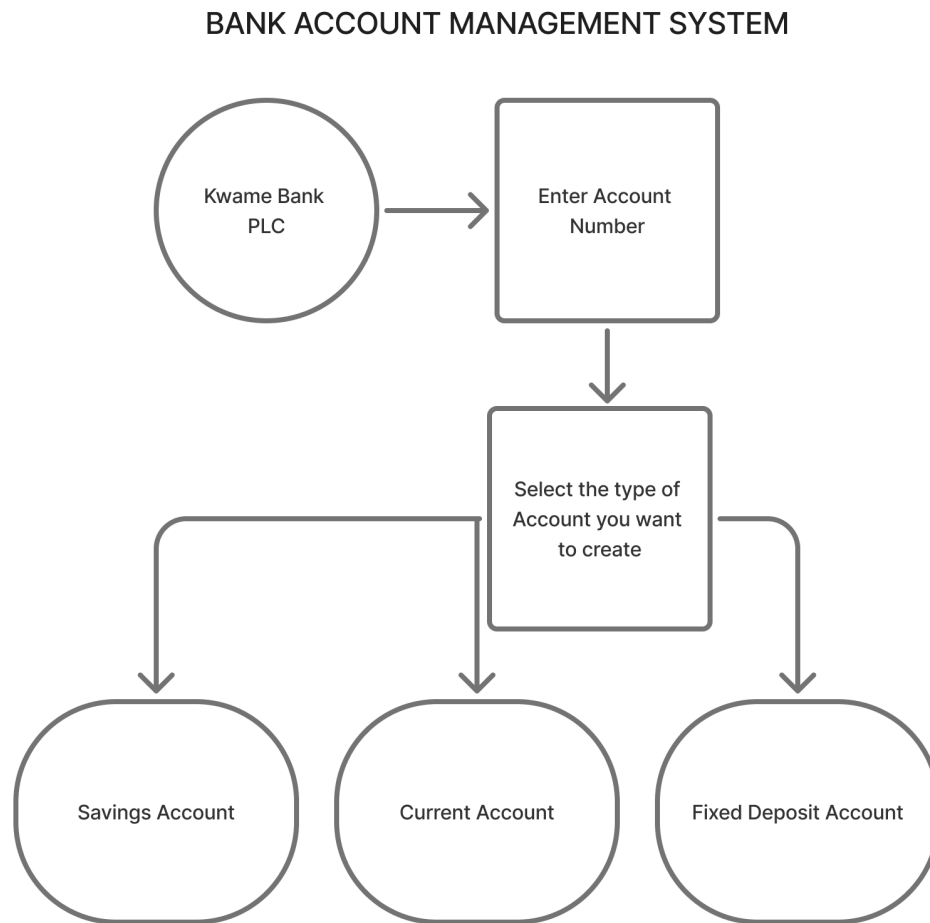


Figure 1: Bank Account Management System

Non-Functional Requirements

Data Requirements

The system must have the non-functional requirements that conform to the ones detailed in this section.

Data stored on the system

There is no data stored on the system. When you close the console after creating bank accounts and restart the console, you lose all the accounts created and all the transactions performed.

Signing up

Account numbers are required to be unique. 12 digit numbers only

Performance Requirements

The system must be able to:

- Cope with a minimum of 100-600 account creation per minute.
- Store and process transactions.

Constraints

Hardware

The system must run on a system with a minimum hardware specifications of:

- 1 GB RAM
- Intel Core i3 6th Generation and any equivalent or higher
- 10 GB or more free disk space

Glossary

Overdraft limit: applies to current account. The limit you are allowed to additionally withdraw after you don't have any money in your account.

Maturity date: applies to fixed deposit account. The time you wait after you investment grows with interest.