**INTRODUCTION**

This document presents a detailed description of the necessary features for a banking system that will enable users to deposit and withdraw money.

**PURPOSE**

The purpose of this document is to outline the functional and non-functional requirements of the system to ensure accurate development and implementation.

**SCOPE**

**The online banking system will allow customers to:**

* Create and manage accounts.
* Deposit and withdraw funds.
* Check account balances.
* Produce transaction reports.

**FUNCTIONAL REQUIREMENTS**

**User Authentication**

Users are required to log in with valid credentials to access their accounts.

New users can sign up by providing their name, email, phone number, and password for account creation.

**Account Management**

Users can access their account information, including balance and transaction history.

**Transaction Management**

Deposit Funds: Users can deposit money into their account by specifying the amount.

Withdraw Funds: Users can withdraw money from their account.

Transaction Confirmation: Users receive a confirmation for each transaction.

**Generating Reports**

Users have the ability to view a detailed history of their transactions, with options to filter by date range or transaction type.

Users have the ability to create and download transaction reports in XLSX format.

**NON-FUNCTIONAL REQUIREMENTS**

**Performance**

All financial transactions, that is, deposits and withdrawals, must be processed and completed quickly. This ensures efficient and prompt handling of the transactions.

**Security**

Implementing authentication for user logins is important for maintaining a secure environment.

**Usability**

The system is straightforward to use. It gives clear instructions for the user to follow. In case of errors, clear error messages are displayed to help the user.