**Kanesh Banking Application Technical Specification**

Table of Contents

Table of Contents

**1 Introduction1**

1.1Purpose2

1.2Scope2

**2 System Architecture4**

**3 Functional Specification1**

3.1 Create Customer2

3.1.1 Explanation2

3.2 Inquire Customer2

3.2.1 Explanation2

3.3 Create Account 2

3.3.1 Explanation2

3.4 Inquire Account 2

3.4.1 Explanation2

3.5 Close Account 2

3.5.1 Explanation2

3.6 Withdraw Account2

3.6.1 Explanation2

3.7 Deposit Account 2

3.7.1 Explanation2

1. Introduction

1.1 Purpose

To create a functional banking application system.

1.2 Scope

The Scope of the project is as follows:-

• Create customer

• Inquire customer details

• Create accounts for each customer

• Inquire account details for each account

• Deposit cash to account

• Withdraw cash from account

• Close/Deactivate account

1. System Architecture

**SPRING MVC APPLICATION [STANDALONE]**

Inquire Customer

Create Customer

Inquire Account

Create Account

Withdraw Account

Deposit Account

Close Account

**React JS**

Inquire Customer Page

Create Customer Page

Api

**H2 Database**

-Data Storage

1. Functional Requirements Specification

This sections outlines the functional usage of the system.

* 1. Create Customer
     1. Explanation

User can create a user by input **Name** and **Email**. Upon creation, a Id will be automatically assigned to Customer.

* 1. Inquire Customer
     1. Explanation

User can query the Customer information by input **Name**. A full Customer details will be present with the **Id**, **Name**, **Email**.

* 1. Create Account
     1. Explanation

User can create an account for each customer by input **CustomerName**, **AccountType**, **Amount**. Upon Creation a random **AccountNumber** will be generated and assigned with **AccountStatus** set to Active.

* 1. Inquire Account
     1. Explanation

User can query the account Information by input **AccountNumber**. A full details of the **CustomerName**, **CustomerId**, **AccountStatus** and **AccountBalance** will be displayed.

* 1. Close Account
     1. Explanation

User can close the account by input AccountNumber. The associated AccountStatus will be set to Closed status and Account Balance will be set to 0.

* 1. Withdraw Account
     1. Explanation

User will be able to cash withdraw the input **Amount** and **AccountNumber.**

* 1. Deposit Account
     1. Explanation

User will be able to deposit cash to the account by input **AccountNumber** and Deposit **Amount**

1. Database Snapshot

Attached a H2 database table view.

Please login using

UserName: Sa

Password:

