Integration Testing

The banking system developed has been put to the test to ensure core functionality and overall performance. The system was tested on the below objectives.

1. Performance - Recorded transactions are quickly processed with no stutter or lag

2. Reliability - Since the system operates on a file system method for data storage means it is always up and running

3. Usability - The banking system has a simple user interface, clear messages and validation prompts

4. Scalability - The system allows users to have multiple accounts

Functionality

- Creating an Account. The system allows users to create multiple accounts upon successful verification

- Registering. The system captures required information and provides successful registration or displays failure when required fields are not filled

- Logging in. The system verifies if a user exists in the system before granting access to the system

- Closing Account. The system allows users to delete accounts along with their information if they decide to do so.

- Withdraw. The system allows users to withdraw their funds

- Deposit. The system lets users to deposit money into any account of their choosing

- The system has a dedicated tab for viewing the account, its type, classification , and balance

- Logout. The banking system allows users to remove their instance on device they logged onto.

NOTE: The above activities had a successful outcome

The system lives up to the expectations set by the client during the requirements elicitation process where the functional and non-functional requirements.

Below are screenshots taken of the banking system.

Fairgrounds Banking

Welcome Back

[👤] [   ]

[🔒] [Password   ]

[LOGIN]

Create Your Account

Username:	choose a username
Password:	create a password
Account Holder Type:	Personal ▾
Business Name (Business on...	Legal business name
First Name:	First name
Last Name:	Last name
Address:	Residential address
Next of Kin:	Full name
Kin Contact:	Phone/Email

[Register]

Fairgrounds Banking   Customer: [Logout]

Your Accounts

[   ]

[Amount] [Deposit] [Withdraw] [Pay Interest]

Open New Account

Account Type:	Savings ▾
Classification:	Personal ▾
Business Name:	Required for BUSINESS
Initial Deposit:	0.00
Employer (Cheque):	Employer name
Employer Address (Cheque):	Employer address

[Open Account]