1. Purpose of This Document

This document explains the various activities which will be performed as a part of testing a new Features that are added as enhancements in the new version of the application (V 4.0.0).

2. Application Overview

A mobile banking application (Let's assume: Hamro Payment) is a software program developed by financial institutions to provide customers with access to their bank accounts and various financial services via smartphones and tablets. These applications are designed to offer the convenience of managing finances anytime and anywhere without needing to visit a physical bank branch. There are lots of overviews of their key features, benefits, and security aspects:

3. Feature Overview:

3.1 Account login: Account login in mobile banking is the process by which users authenticate themselves to gain access to their bank accounts through a mobile banking application. This process is crucial for ensuring that only authorized users can access sensitive financial information and perform transactions.

3.2 Fund transfer: Fund transfer in mobile banking allows users to move money between their own accounts, to other individuals' accounts within the same bank, or to accounts at different banks, all through the mobile banking application. This functionality is one of the core features of mobile banking and provides users with the convenience of handling financial transactions on the go.

3.3 Bill Payment: Bill payment through mobile banking allows users to pay their utility bills, credit card bills, and other recurring or one-time expenses directly from their mobile banking application. This service streamlines the payment process, offering convenience, efficiency, and a range of features to manage financial obligations easily

4. Test Objective

Following are the test objectives
- Validate the proper execution of the software after the implementation of new features (Account login. Fund Transfer, Bill Payment)
- Validate the proper installation on new devices.
- Ensure the proper upgrade in different devices
- Ensure successful upgrade in different older versions (V-3.0.0, V-3.2.0, V-3.4.0 and so on.)

5. Test Scenarios

Account Login
- Validate if the users can login with Face-ID/Biometric
- Validate if the users can have multiple sessions on different devices with the same ID.
- Validate if the users can use the *Two-Factor Authentication* during login
- Validate if the *Remember Me* is working fine.

- Validate if the *Forgot Password* is working fine.
- Validate if the users can login with invalid credentials.
- Validate the system behavior when users try to login with an empty username and password.

Fund transfer
- Validate if the users can send money within the same bank.
- Validate if the users can send money to the different banks.
- Validate if the users can send money to invalid bank details.
- Validate if the Scheduled Transfer is working fine.
- Validate the time-out functionality for the fund transfer.
- Validate if the fund transfer can be done behind the limit amount.
- Validate if the fund transfer can be done behind the limited number of transactions.
- Validate if the fund transfer can be done with an invalid transaction key.
- Validate if the fund transfer can be done with Insufficient Funds

Bill Payment
- Validate if the users can Scheduled Bill Payments.
- Validate Bill payment history is working properly.
- Test the Transaction Processing Time.
- Validate if the users can save Bill payments for future use.
- Validate if the users can pay multiple bills in a day.
- Validate if the Bill Payments can be done with Insufficient Funds

6. Installation/upgrade Test

Upgrade Path	Installation Time	Test build	Status
V-3.0.0>>V-3.4.0			
V-3.3.0			
V-3.0.0			

7. Test Approach By

QA Team	Ramesh Shrestha, Udaya Kandel, Kshitiz Karmacharaya
Lead	Bipin Thapa

8. Test Environment

App Version	**3.4.0**
Test Devices	**Andriod:** Samsung S22, Samsung S23 Ultra, Oneplus 10, google pixel 8 pro **Apple:** iPhone 14, iPhone 15 pro, iPhone 15
Operating System	• **Android 14** • **iOS 17**
Environments	**Feature, Stage**

Note: Testing on some of the above devices will be done in emulators in the real devices is not available while test execution.

9. Exit Criteria
- 1. Ensuring all critical Test Cases are passed.
- 2. Min 95% of test cases are passing.
- 3. Achieving complete functional Coverage
- 4. Identifying and fixing all the high-priority defects
- 5. Fixing all the 'Showstopper defects' or 'Blockers' and ensuring that none of the identified
- Critical defects are in Open Status
- 6. Re-testing and closing all the high-priority defects to execute corresponding Regression
- scenarios successfully
- 7. All changes and requirements are documented