### **The acceptance criteria for both features on rule based standard :**

### **Feature 1: Merchant and Utility Bill Payments**

● **Merchant Bill Payment:**

○ Customer balance should be sufficient to cover the transaction amount and service charge.

○ Service charge should be 1% of the transaction amount with a minimum of 5 TK.

○ If the transaction amount is greater than 5000 TK, 10% cashback should be applied.

○ If the transaction amount exceeds 10,000 TK, a maximum of 20% cashback (up to 3000 TK) should be applied.

○ No cashback should be applied for utility bill payments.

○ After a successful payment, customer balance should be deducted by the transaction amount and service charge.

○ Customer should receive an SMS confirmation with the transaction details (amount, service charge, cashback, and remaining balance).

○ Customer transaction history should be updated to include the bill payment transaction.

● **Utility Bill Payment:**

○ Service charge should not be applied to utility bill payments.

○ After the successful transaction, the balance should be deducted by the total utility bill amount.

○ Customer should receive an SMS notification confirming the utility bill payment.

○ Transaction history should be updated to reflect the utility bill payment.

### **Feature 2: Loan Application and Repayment**

● **Loan Eligibility:**

○ Customer balance should be less than 100 TK to apply for a loan.

○ Loan amount should not exceed 20,000 TK.

○ Loan application should be restricted if the customer balance is not below 100 TK.

● **Loan Repayment:**

○ If the customer repays the loan within 30 days, no interest should be charged.

○ If repayment is made after 30 days, 1.8% daily compound interest should be applied to the remaining loan balance.

○ Loan repayment should reflect on the customer’s account immediately.

○ Customer should receive an SMS notification after each repayment.

● **Partial Loan Repayment:**

○ Customer should be able to repay part of the loan at any time.

○ After repaying 50% of the loan, the customer should be eligible to apply for another loan.

○ The loan status should be updated accordingly in the system after partial repayment.

● **Loan Application After Partial Repayment:**

○ Customer should be eligible for a new loan if at least 50% of the previous loan has been repaid.

○ New loan application should be processed only if the previous loan repayment condition is met.

● **Notifications:**

○ Customer should receive a reminder SMS a few days before the loan repayment due date.

○ If the customer misses the repayment deadline, an SMS should notify them of the accrued interest.

○ Customer should receive a final reminder SMS after 30 days if the loan is not fully repaid.