<A BIDV based Smart Banking app>

Version <1.0>

Revision History

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# Pay with QR codes

## Brief Description

This document describes the process of users paying their products via QR codes in the BIDV Smart Banking application

# Flow of Events

## Basic Flow

Step 1: User clicks on the “QR” button

Step 2: The system shows a “Scan QR” screen to the user

Step 3: User scans the QR code on the product

Step 4: The system shows information’s product on the “Billing Information” screen to the user

Step 5: User enter required information (Information about the product users have to pay)

5.1: User enters Amount

5.2: User enter Transaction remark (maximum 150 characters) (optional)

Step 6: User clicks on the “Pay” button

Step 7: The system will show the “Confirm transaction” screen to the user

Step 8: User enters the PIN Smart OTP registering before and clicks yes sign in the bottom right-hand conner

Step 9: The system automatically fills the OTP code

Step 10: User clicks on the “Confirm” button within 120 seconds

Step 11: The system shows a successful paying message

## Alternative Flows

### < Cancel the transaction (all steps) >

User can cancel the transaction by clicking the arrow in the top left-hand

### < No reply from user (all steps) >

If the system requires users input and they do not response within an allotted time, this operation will close, and Login session has expired box appear and show a message “Session expired, or your account has been logged in another device. Please login again”. Ask users login again if they want to continue or stop Pay by QR codes function

### < The user enters wrong PIN code (step 8) >

If user enters the wrong PIN code, the system will show a notification “Incorrect PIN” and return step 8. If user enter the wrong PIN code more than 5 times, the pay process will be automatically cancelled

### < The user does not enter Confirm button within 120 seconds (step 10) >

If user does not enter “Confirm” button within 120 seconds, the system will automatically cancel

### < The amount has to pay is greater than the available amount (step 5.1) >

If users input the amount of money is greater than the available balance and then click “Pay” button in step 6, the system will show a notification “The transaction amount exceeds the available balance. Please check again” then return step 5.1

### < The Amount is empty >

If users skip the amount, the system will show a notification “Please enter Amount” when pressing the “Pay” button in step 6 and then the system returns step 5.1

# Special Requirements

## <Update and synchronize>

The current amount is always updated and synchronized after making a transaction

# Preconditions

## <The user has logged in>

The user has logged in the account and accessed QR code’s function

## <Enough money>

The amount must pay is smaller than the available amount

# Postconditions

The system successfully shows payment messages

# Extension Points

## <Save information bill>

After the transaction, user can save a transaction information picture to device

# Prototype

A picture containing text, street

Description automatically generatedA picture containing text, monitor, electronics, sign

Description automatically generated

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated