<A BIDV based Smart Banking app>

Use-Case-Realization Specification: <Open Online Savings>

Version <1.0>

Revision History

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# Introduction

## Purpose

This document describes the process of opening online savings in BIDV Smart Banking application on smartphones. This process will be clarified via Derived requirements and Flow of events – Design (design model, sequence diagram and class diagram)

## Scope

This document conducts opening online savings function on smartphone app for BIDV system

## Definitions, Acronyms, and Abbreviations

User: the customer who uses BIDV Smart Banking service

App: BIDV Smart Banking application provides on Google play or App store

GUI system: Graphic user interface shows interfaces to the end-user

Controller: provides for users input and modifications

Model: database includes user’s account number, password….

## References

None

## Overview

Opening online savings in BIDV Smart Banking system will be summarized as follows, firstly, there are 2 diagrams we need to complete includes sequence diagram and class diagram, which is used to describe how the use-case is conducted. Last but not least, the derived requirement’s part is a textual description that collects all requirements, such as non-functional requirements, on the use-case realizations not considered in the design model, but that need to be taken care of during implementation

# Flow of Events—Design

## sequence diagram

Graphical user interface

Description automatically generated

## class diagram

Diagram

Description automatically generated

# Derived Requirements

3.1 If the system does not get any respond from user for an allotted time, the system asks user to login again because of his/her login session expiring

3.2 If users input the amount of money is less than one million, the system asks user to re-enter

3.3 If users input the amount of money is greater than the available balance, the system asks user to re-enter

3.4 If users enter the wrong OTP code, the system will re-send and ask user to re-enter

3.5 If users enter OTP code incorrectly more than 5 times, the process will automatically cancel

3.6 If the user conducts a transaction outside of banking hours from 22h to 6h, the process cannot conduct