

Technical Design Document For

Secure Autopay

Final Year Project SS18

Supervisor

Prem

Prepared by SS18-4C

Goh Wei Sheng Wilson 5655948 Chen Yuyang 5654385 Christian Teddy Tanputra 5039496 Denise Jacinta Chan 5987519

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Introduction

This document n is an overview of the Technical Designment Document for Pocket (Secure Autopay System).

Purpose

The purpose of this document is to provide guidance and template to assist the relevant staff in producing the Secure Autopay System, Pocket.

Design Approach

System Environment

Android 7.x Nougat and above

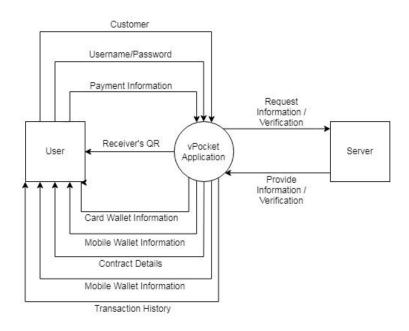
Server OS: Linux Server LTS 18.0

Database: mySQL

• Web Server: Apache Tomcat 9.0

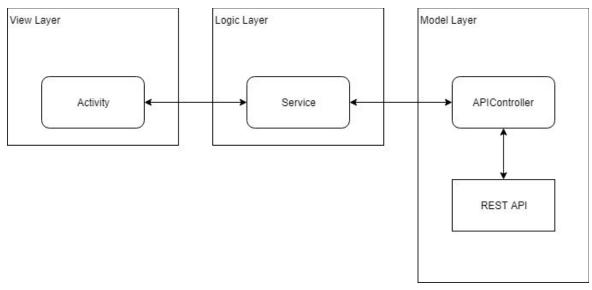
Revision Control: Github

Data Flow

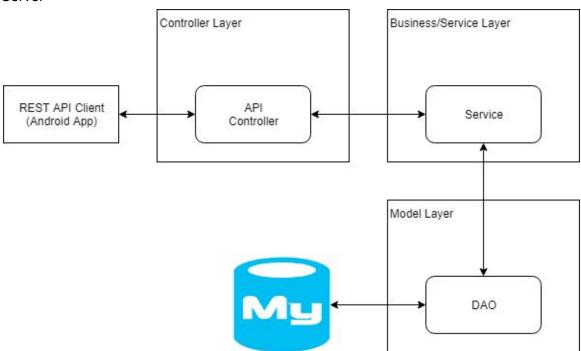


Architecture Design

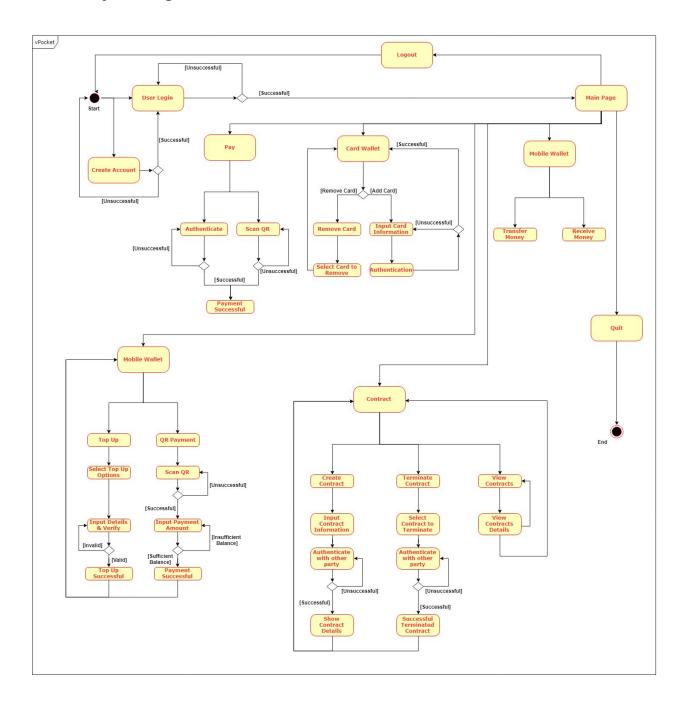
Application



Server

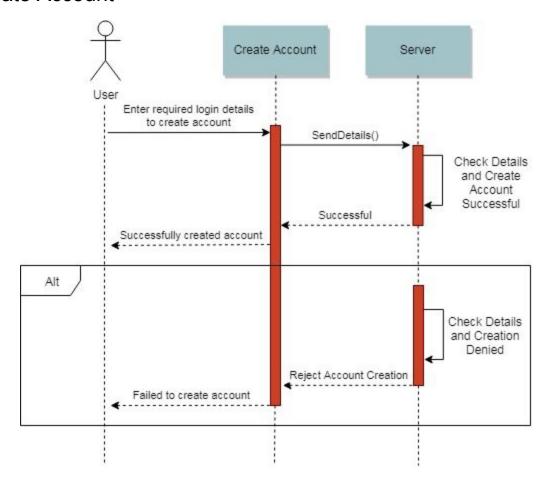


Activity Diagram

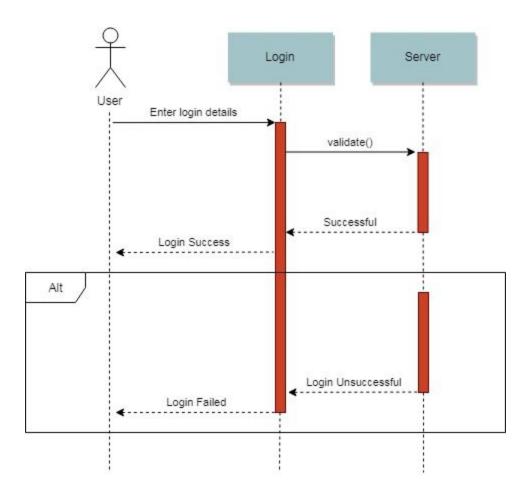


Sequence Diagrams

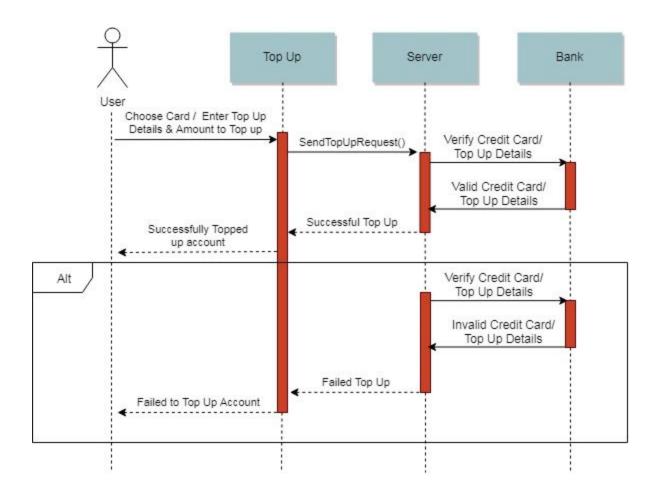
Create Account



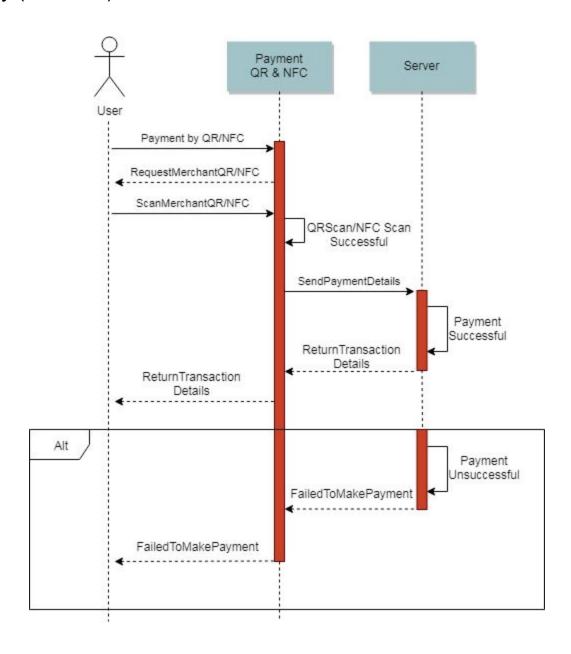
Login



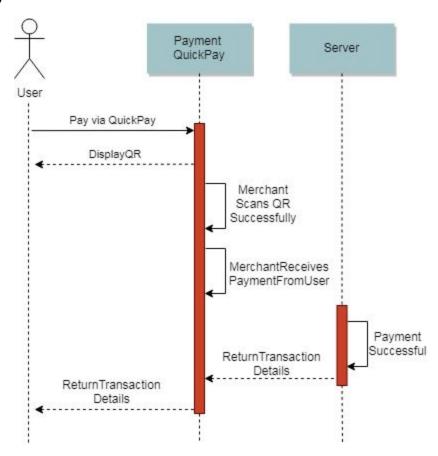
Top Up



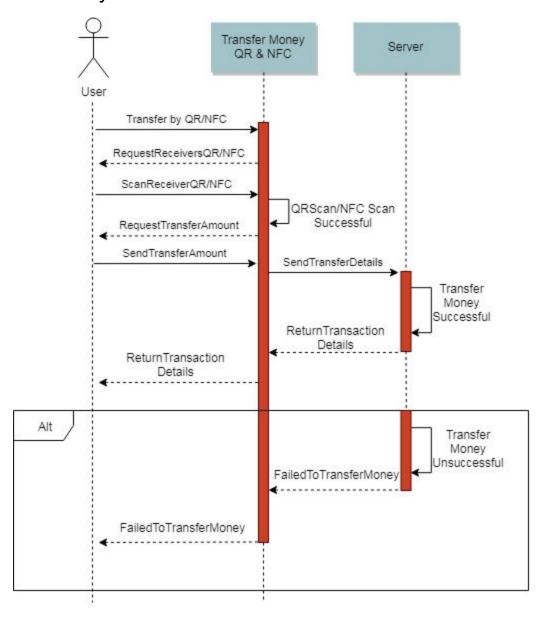
Pay (NFC/QR)



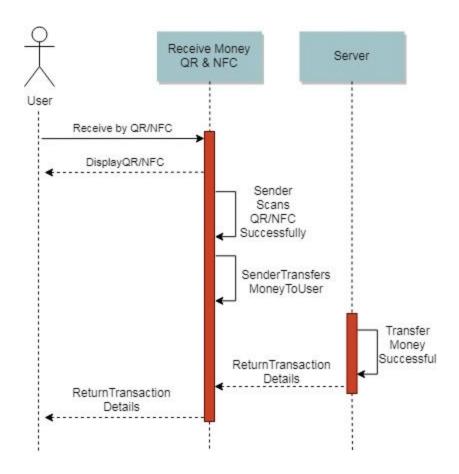
Quick Pay



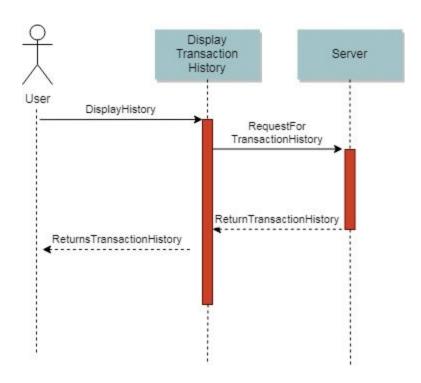
Transfer Money



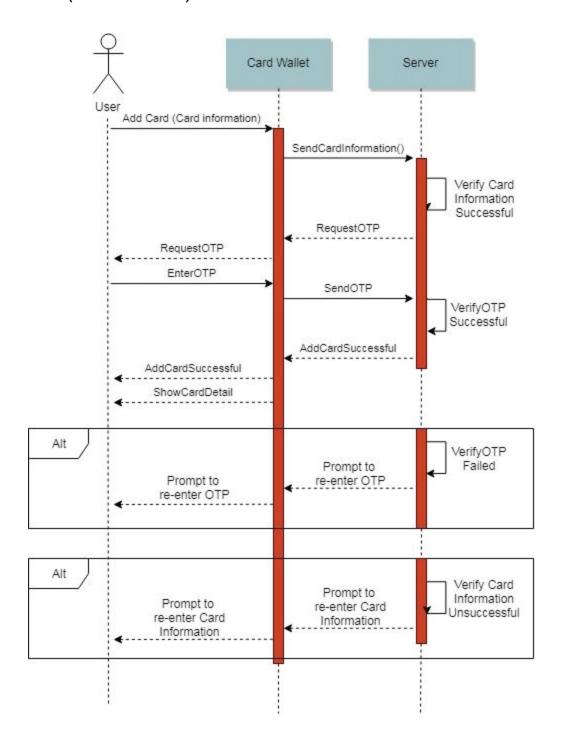
Receive Money



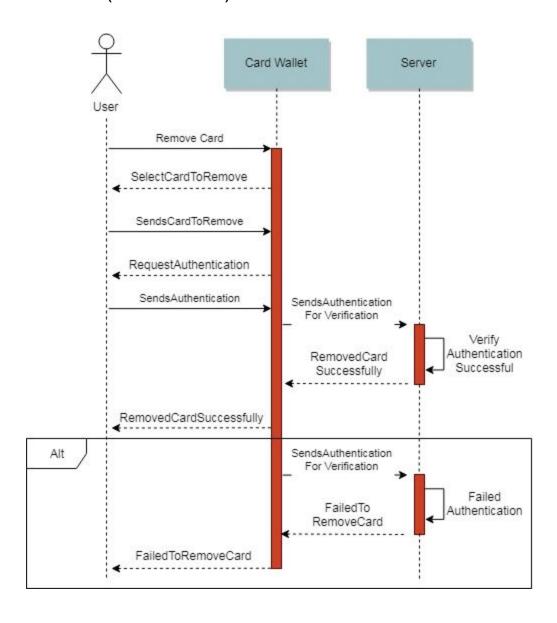
Display Transaction History



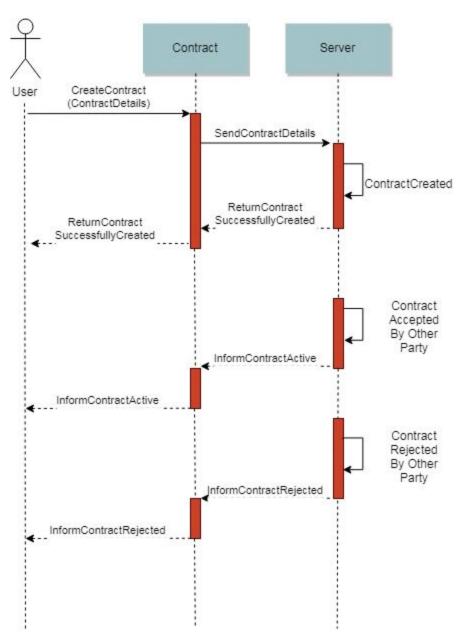
Add Card (Card Wallet)



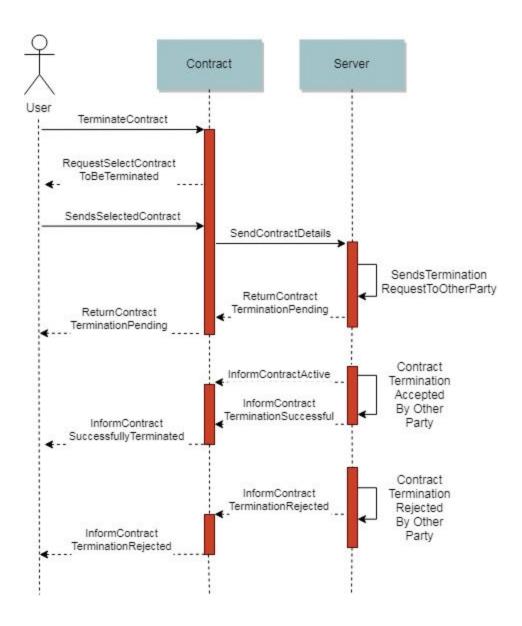
Remove Card (Card Wallet)



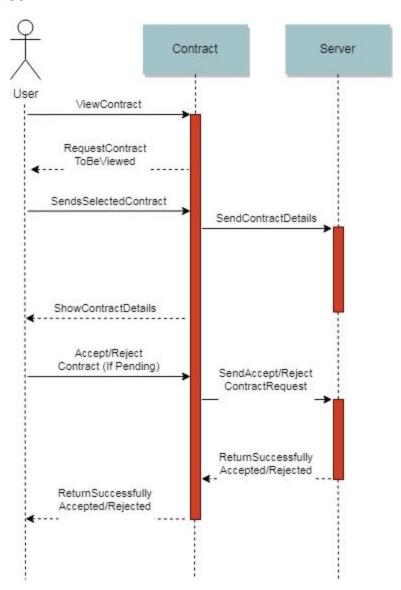
Create Contract



Terminate Contact

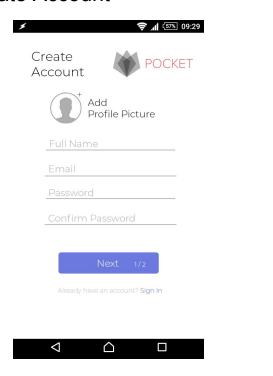


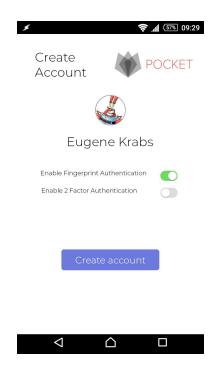
View Contract



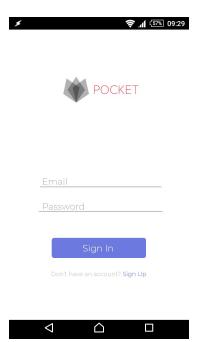
User Interface

Create Account

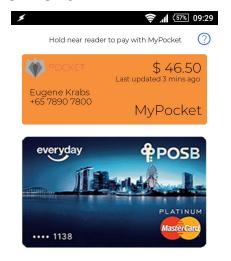


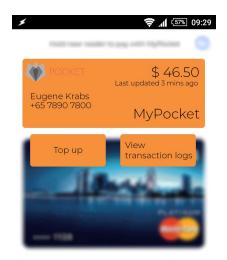


Login



Home Menu







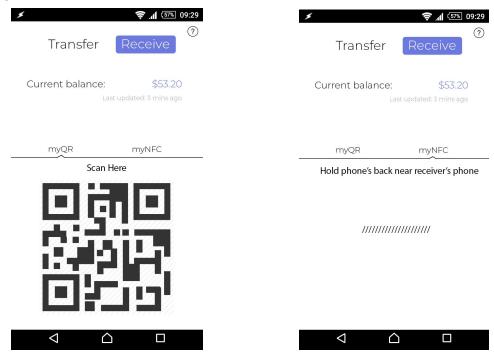


Pay Menu

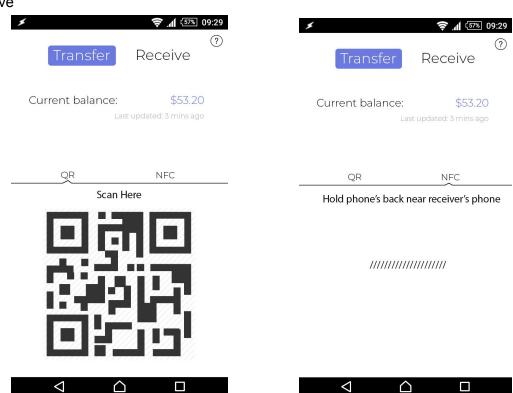


Transfer/Receive Menu

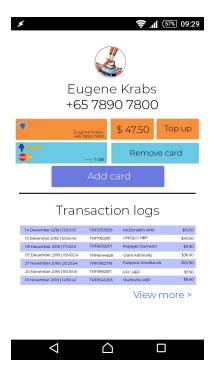
Transfer



Receive



Me Menu



More Menu

