VIETNAM GENERAL CONFEDERATION OF LABOR

**TON DUC THANG UNIVERSITY**

**FACULTY OF INFORMATION TECHNOLOGY**



**Agents' Retail Stores POS System**

**Requirements Analysis & Design (RAD)**

**By Students:**

**Nguyễn Minh Triết-521k0035**

**SOFTWARE ENGINEERING**

**HO CHI MINH CITY, 2023**

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|  |  |  |
| --- | --- | --- |
| Reference: | Team\_XX\_RAD\_Requirements\_Modelling\_v0.1 | |
| Audience: | Mr. Pham Thai Ky Trung |

**HO CHI MINH CITY, 2023**

**ACKNOWLEDGEMENT**

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*Ho Chi Minh city, 27th December 2023.*

*Author*

*(Signature and full name)*

**Triết**

Nguyễn Minh Triết

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# Executive Summary

# This document outlines the proposed Customer Management and Sales Management modules for the POS system, detailing their design using an Object-Oriented approach. Not only does it provide a user-friendly view for customers, emphasizing improved interactions and personalized service through the Customer Management module but also offers the development team enough information and reasoning, including diagrams, to guide software development effectively.

# The goal is making the system understandable for end customers while ensuring the development team has the necessary insights.

# Business Requirements

# Org Chart

# 

# Business Model

# 

# System Requirements Analysis

# 2.1 Use case descriptions

# 2.2.1 Use Case: Manage Customer Information

# System sequence diagram for Use Case: Manage Customer Information

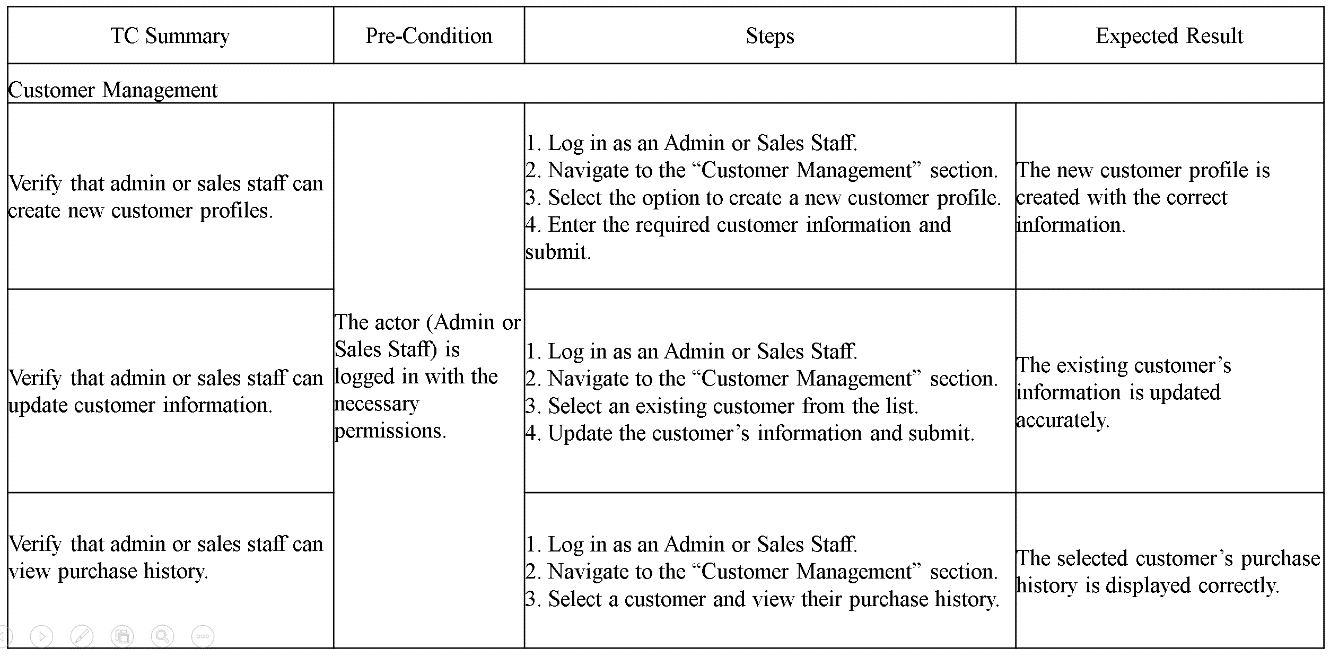
# 

# 2.2.2 Use Case: Manage Sales Transaction

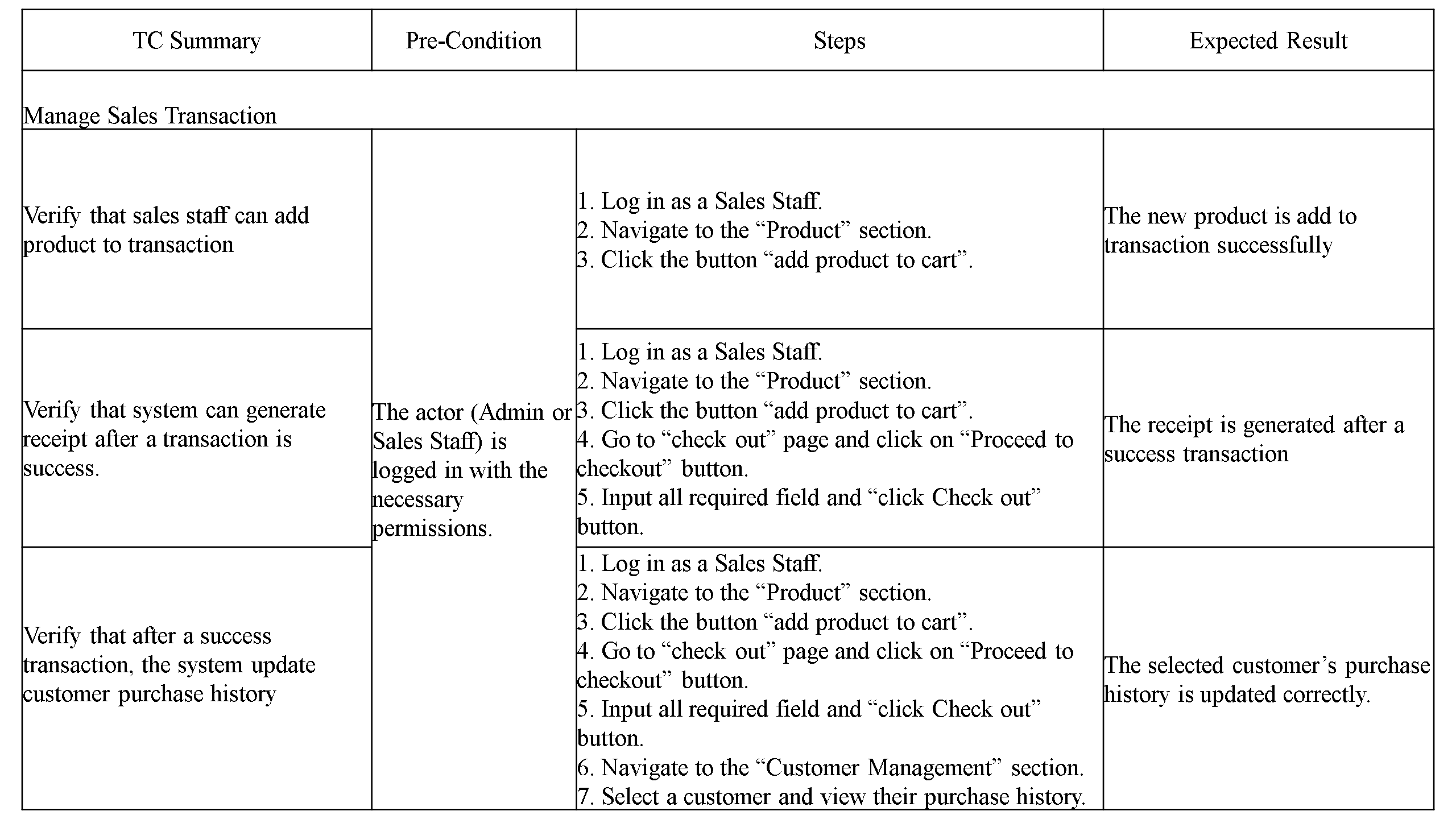
# System sequence diagram for Use Case: Manage Sales Transaction

# 

# Test Case for Use Case: Manage Customer Information

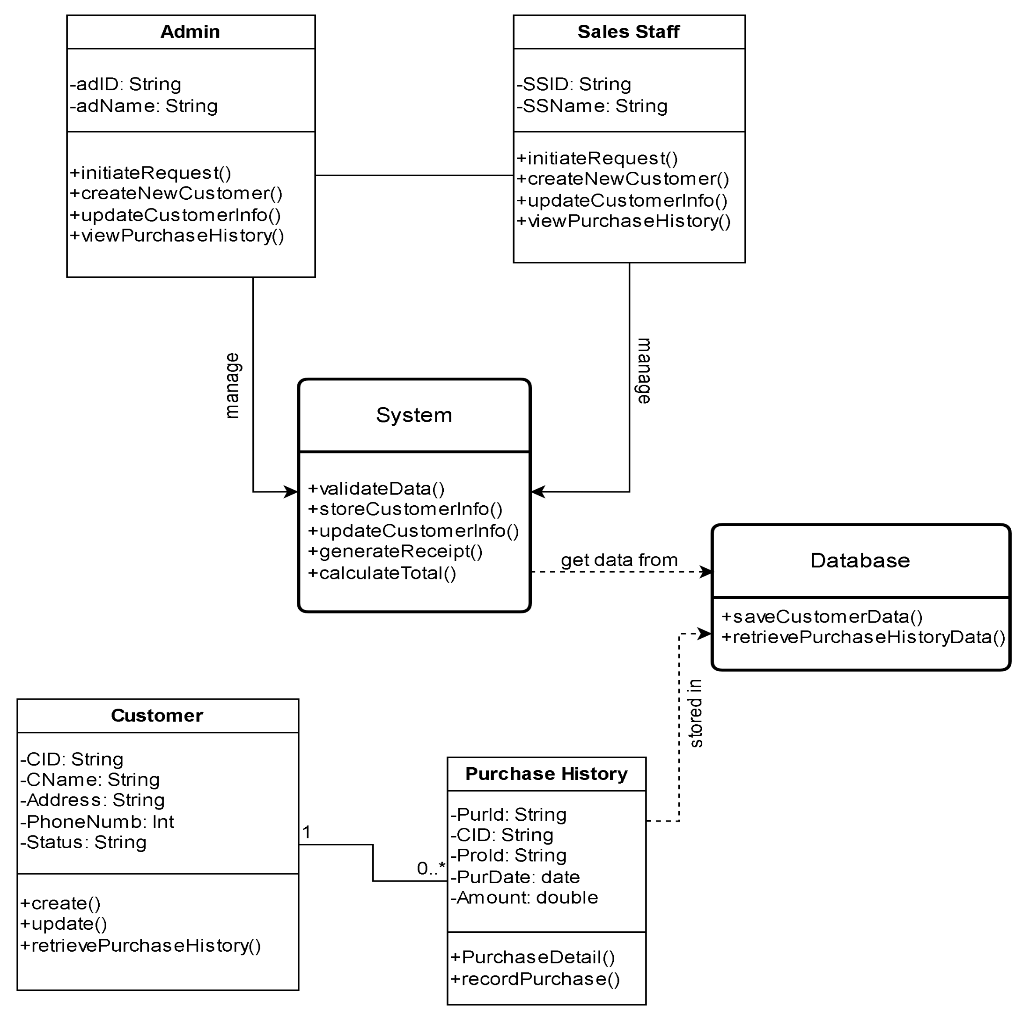


# Test Case for Use Case: Manage Sales Transaction

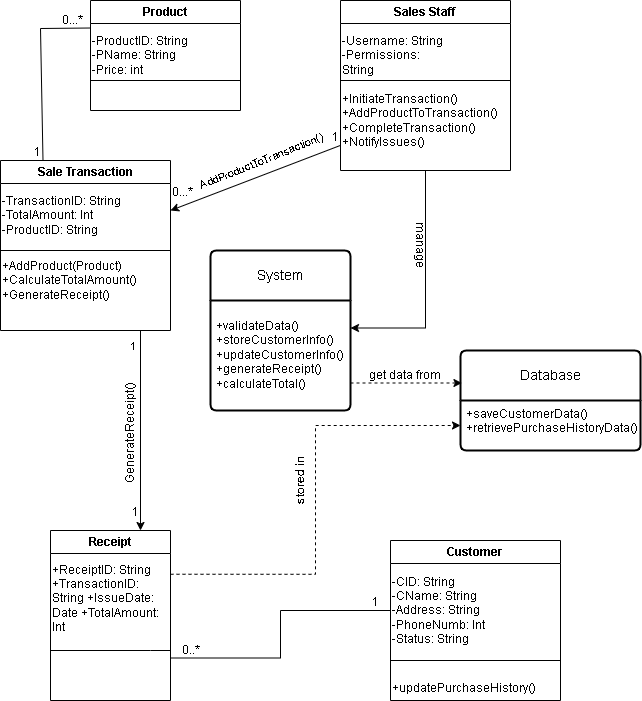


# System Requirements Design

* + 1. Design class Diagram for use case Manage Customer Information



* + 1. Design class Diagram for use case Manage Sales Transaction



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Case Study