โปรแกรมขายสินค้าหน้าร้าน bSoft POS system

Version 1.0

Prepare by

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11/11/2016

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1.Revision History

Revision History identify changes to the Design Document

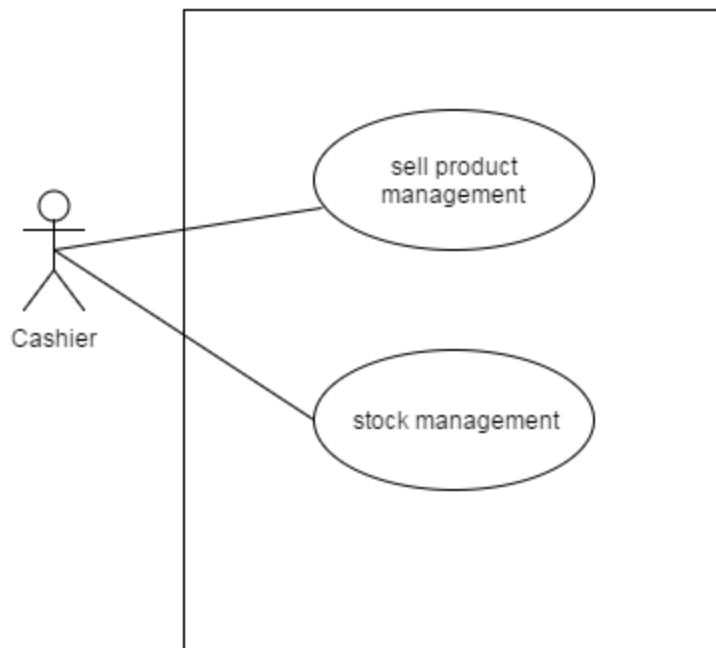| Name	Date	Description	Version
bSoft Pos system	11/11/2559	Describe all structure in system breakdown	1.0

2. Use case overview

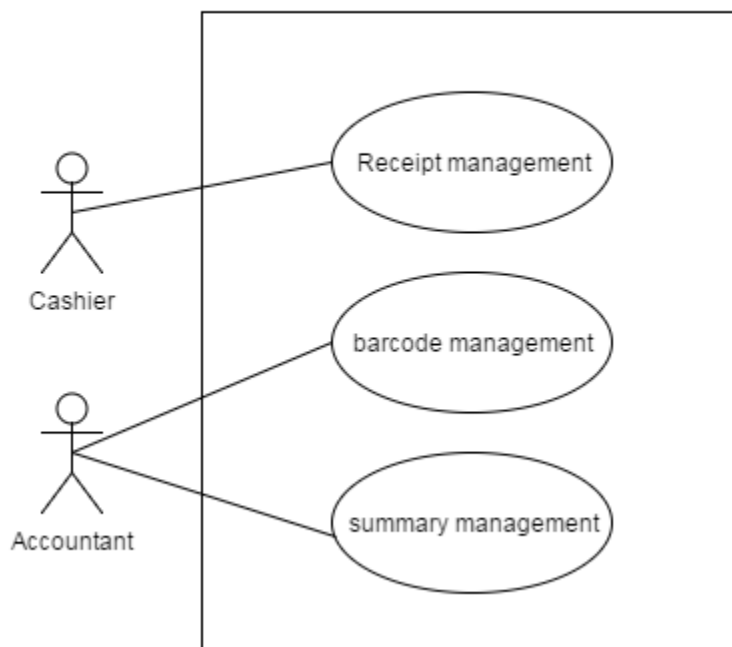Use Case Diagram Level 0 : bSoft POS system
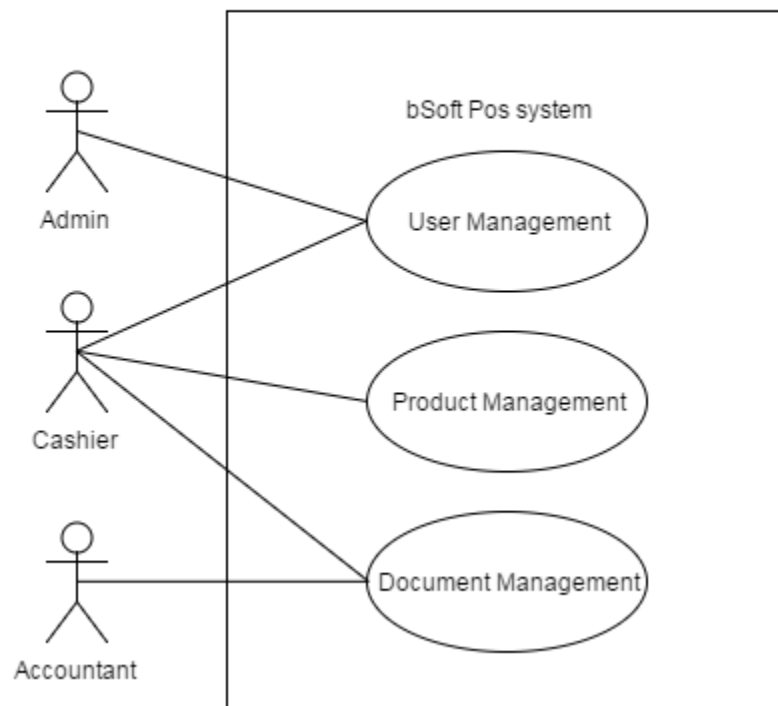
Mr. Suthikiet Vongna 5730213076

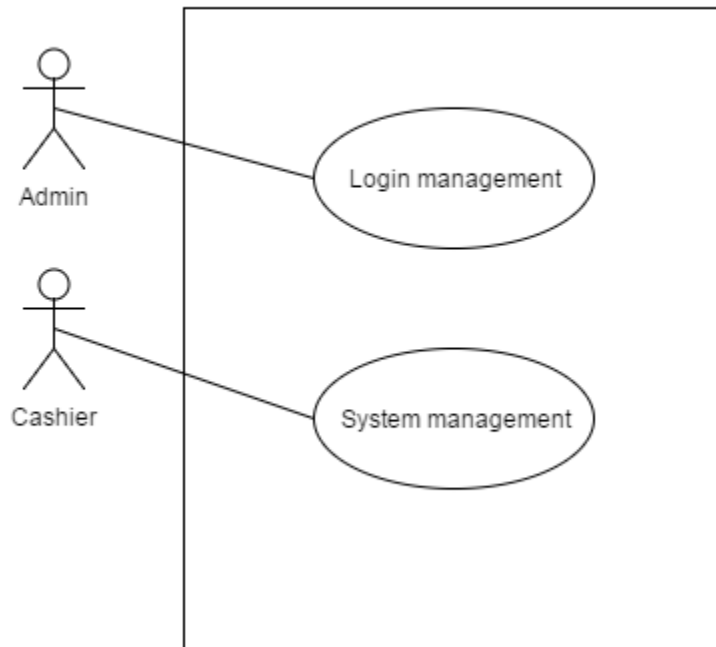Use case Diagram level 1 : Product Management sub-system

Mr. Suthikiet Vongna 5730213076

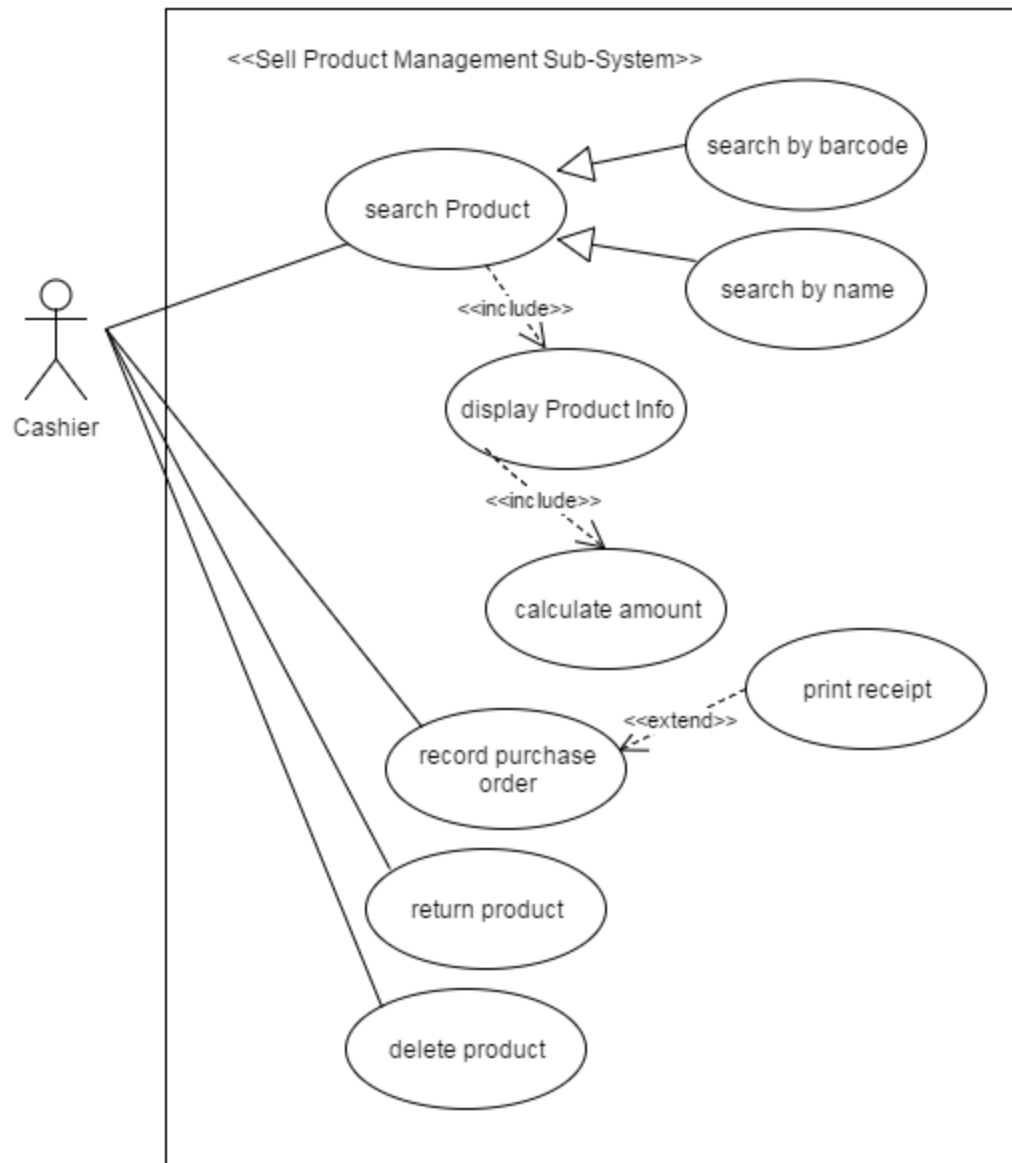Use case Diagram level 1 : Document Management sub-system

Mr. Suthikiet Vongna 5730213076

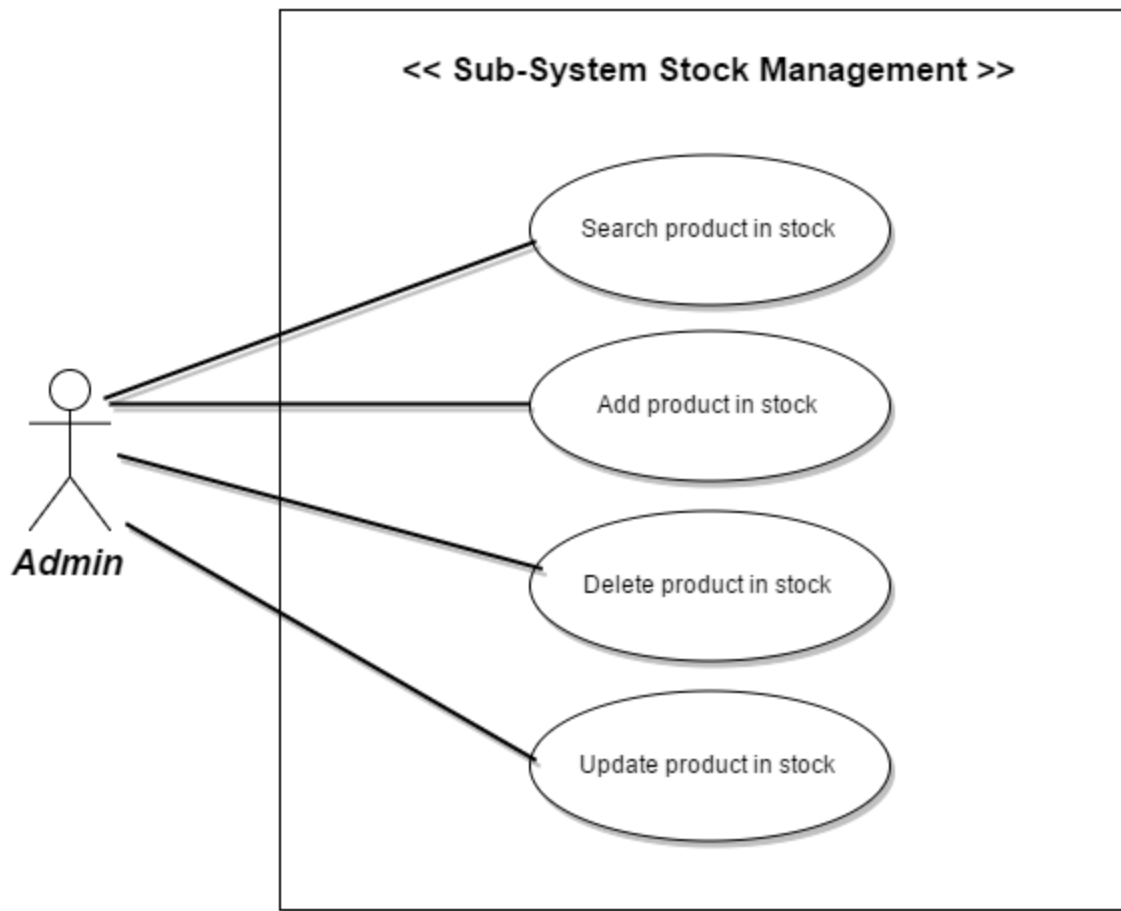Use case Diagram level 1 : User Management sub-system

Mr. Suthikiet Vongna 5730213076

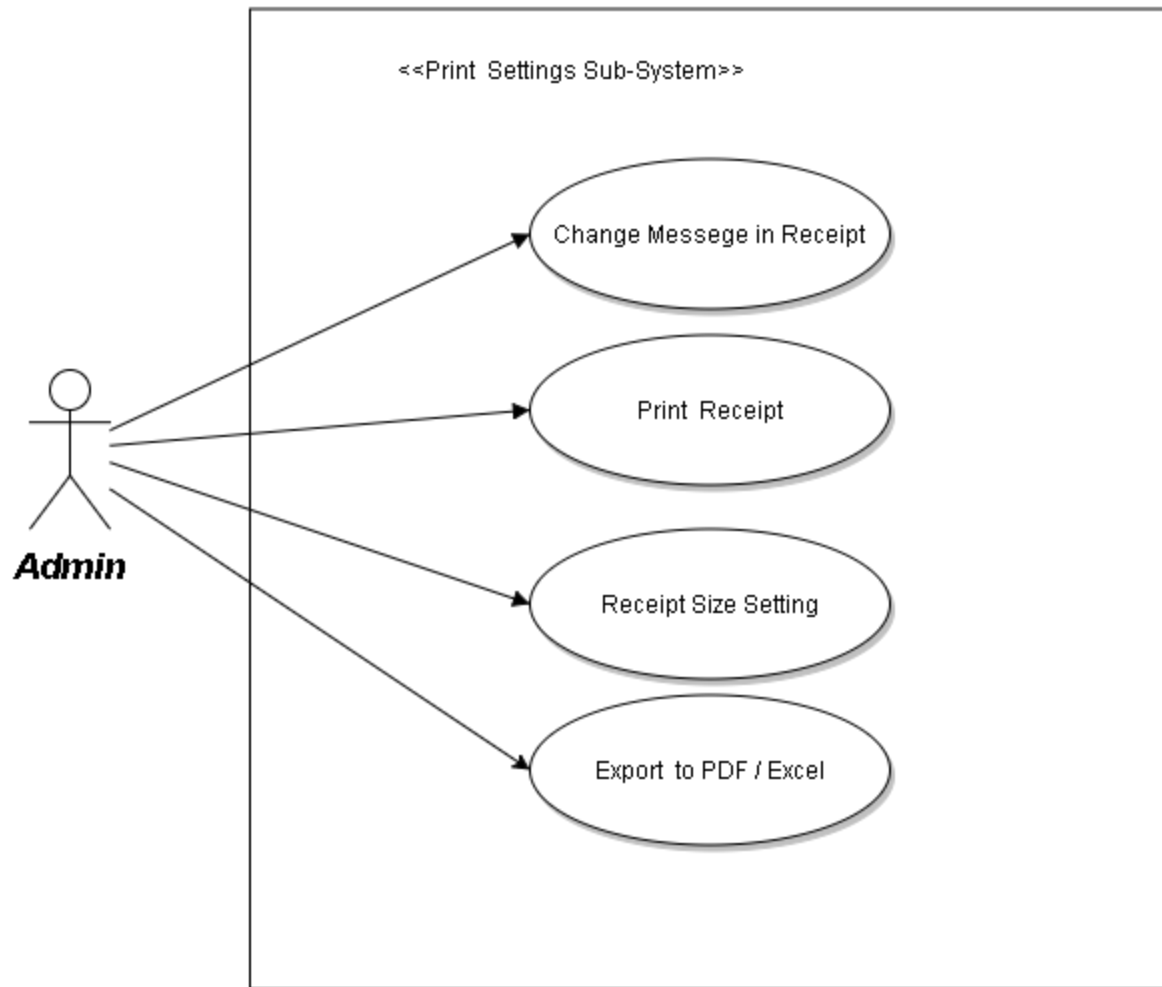Use Case Diagram Level 2 : sell product management sub-system
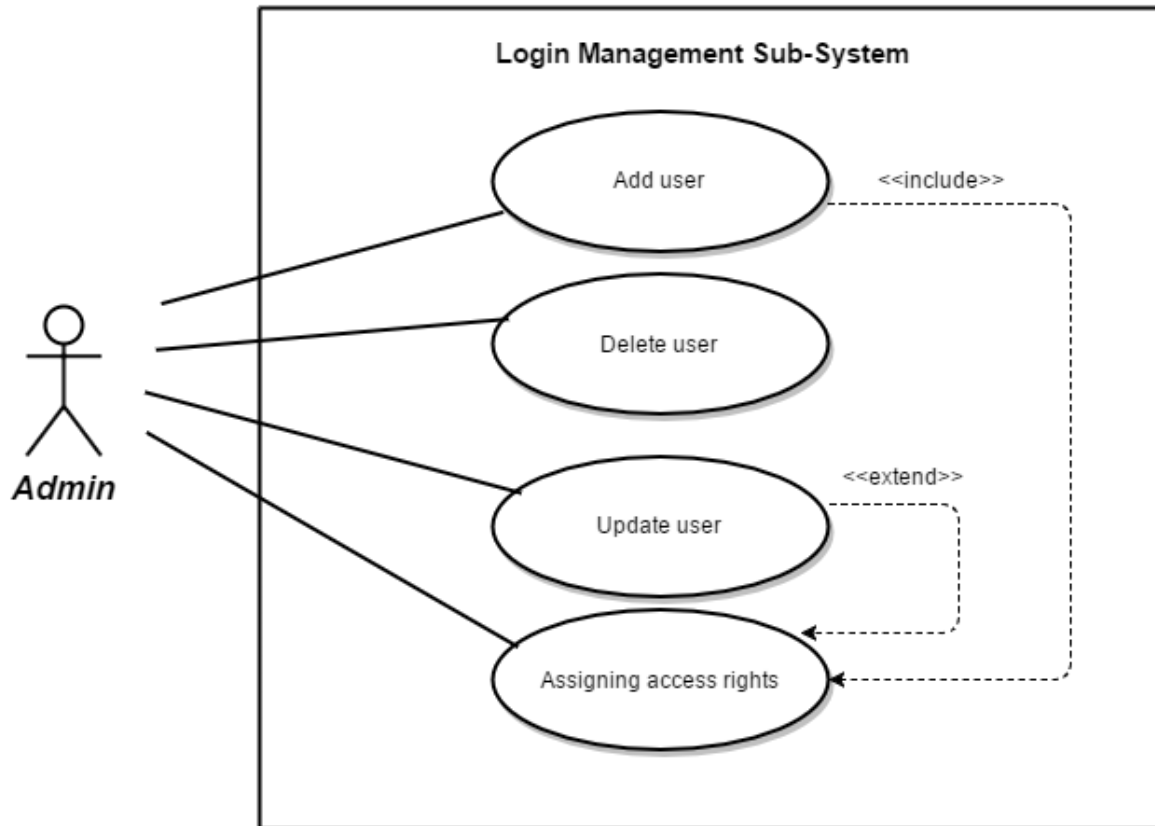

Mr.suthikiet vongna 5730213076

Use case diagram level 2 : Stock management subsystem
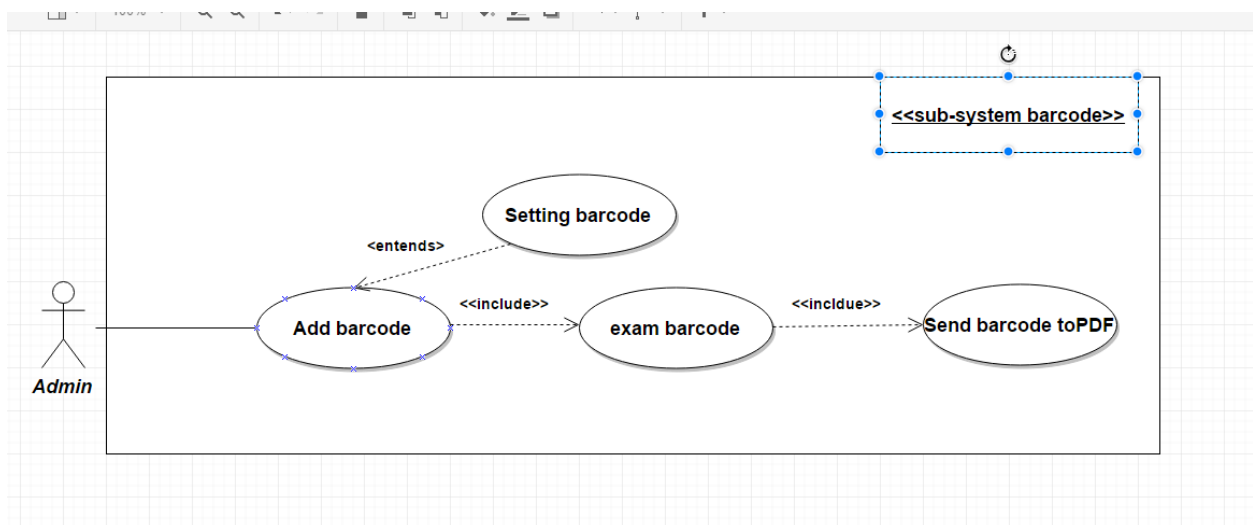
Mr. Ruslan Hama 57302130063

Use case diagram level 2 : Receipt management subsystem

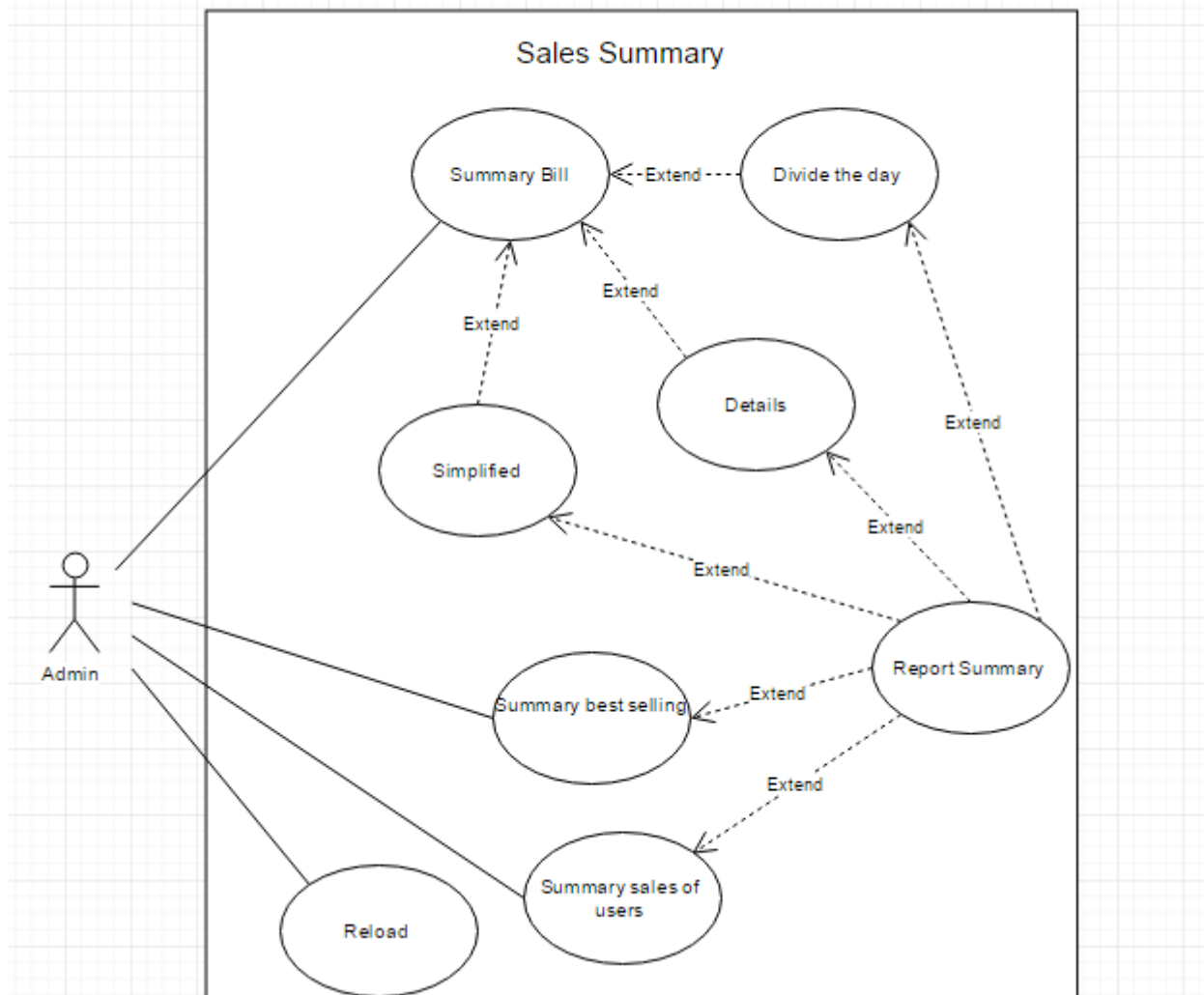Mr. Arsad Dengchi 5730213065

Nonlapun Pansit 5730213003 SE

Use case diagram level 2 : login management subsystem

Use case diagram level 2 : Barcode management subsystem
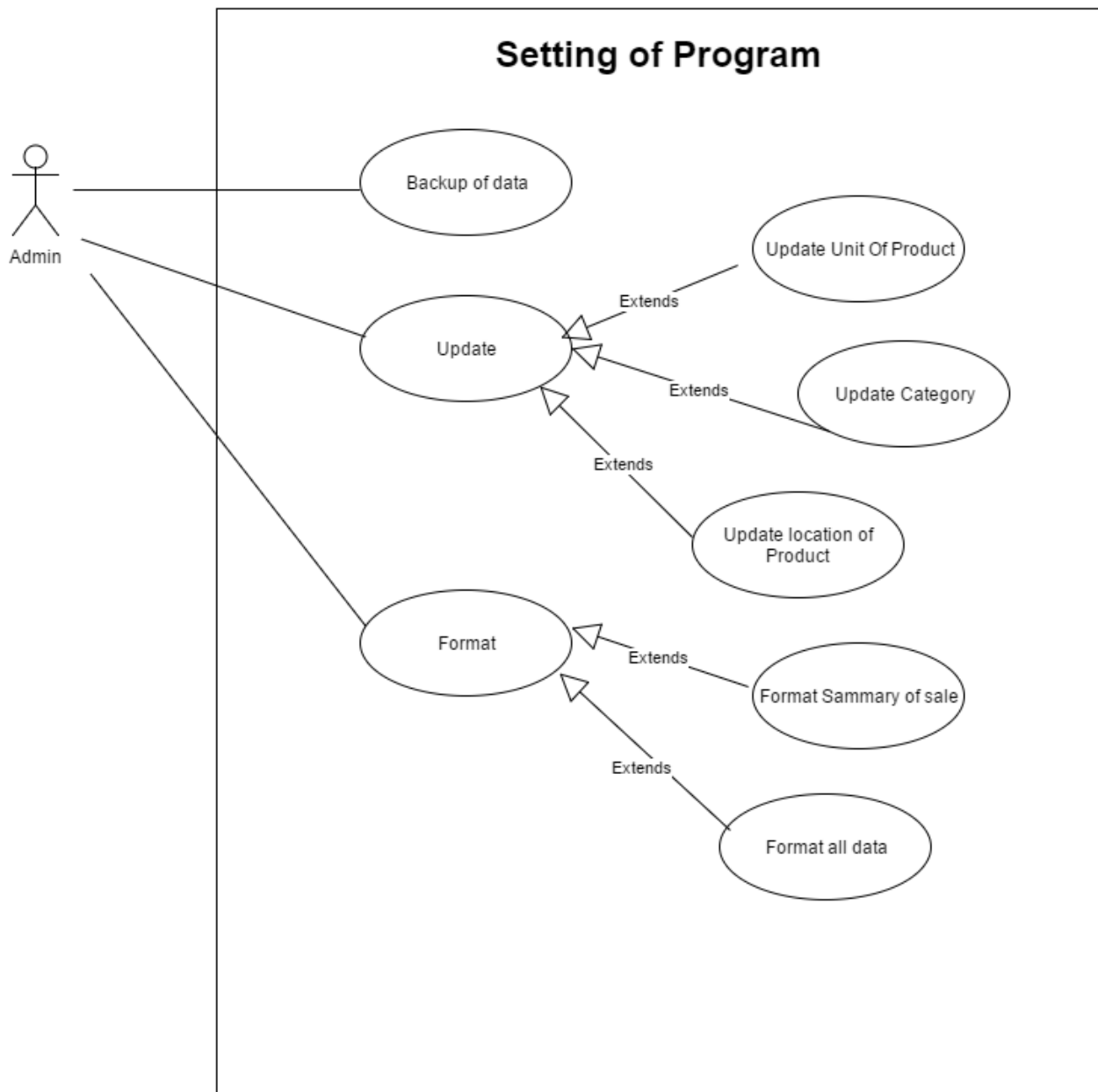
Mr. Nantipat Tullwattana 5730213093

Use case diagram

Use case diagram level 2 : Summary management subsystem
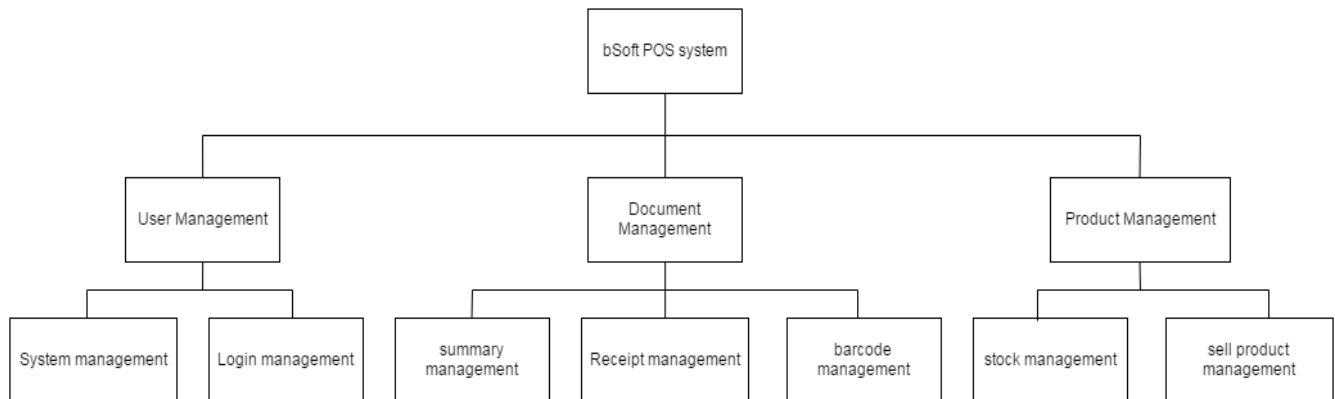
Mr. Warunyou Keeretichot 5730213099

Use case Diragram

Setting of Program

Admin

Backup of data

Update Unit Of Product

Extends

Update

Extends

Update Category

Extends

Update location of Product

Format

Extends

Format Sammary of sale

Extends

Format all data
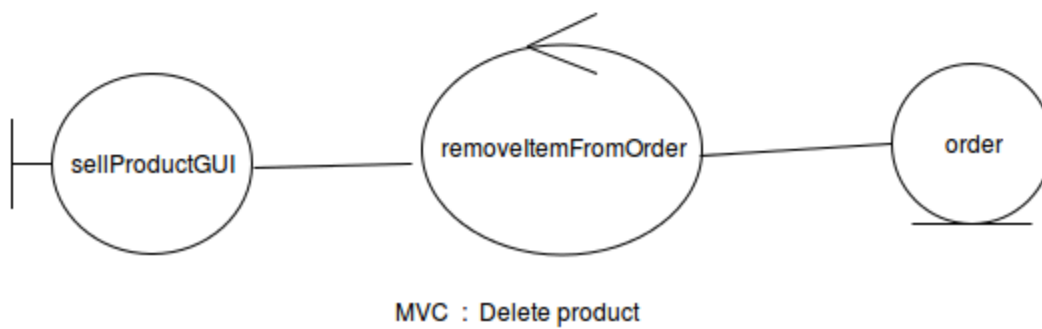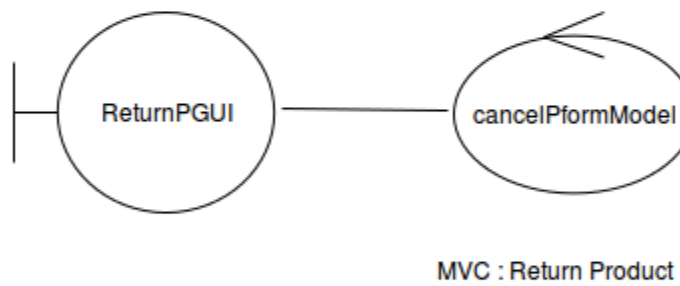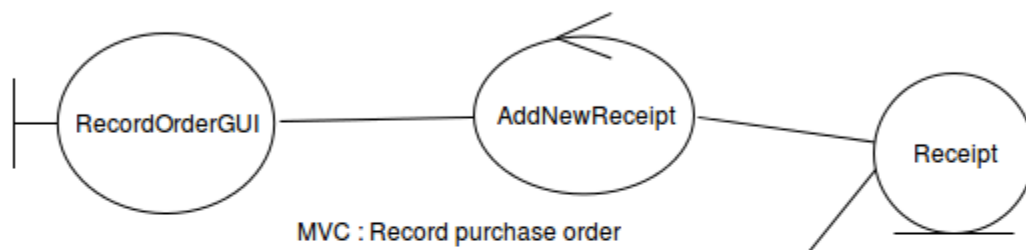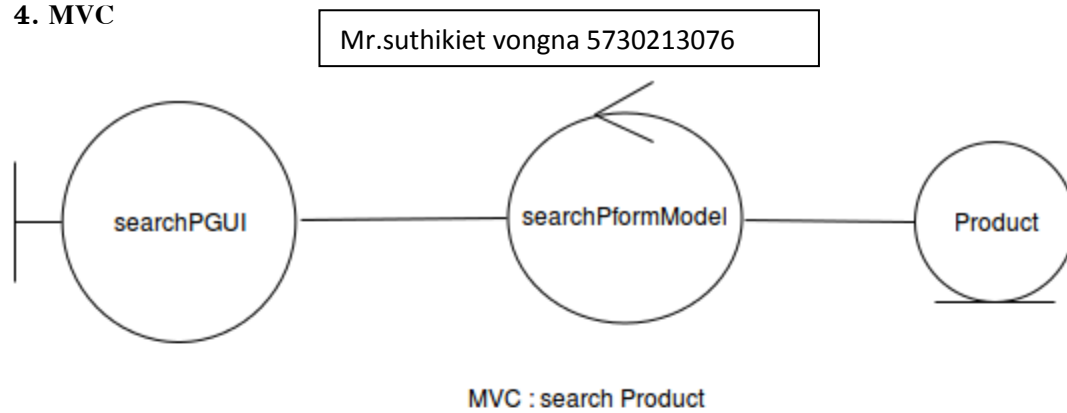
Thummarong Wongsawat 5730213085

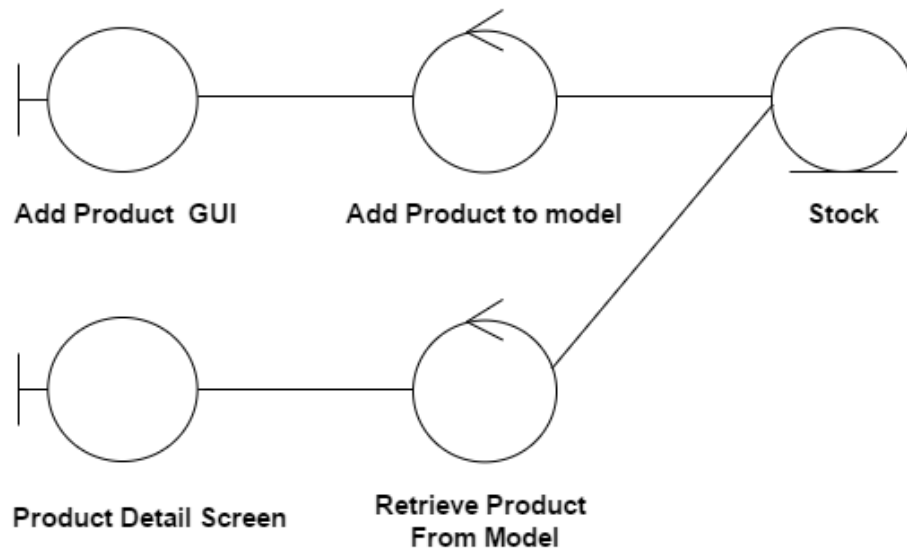Use case diagram level 2 : System setting management subsystem

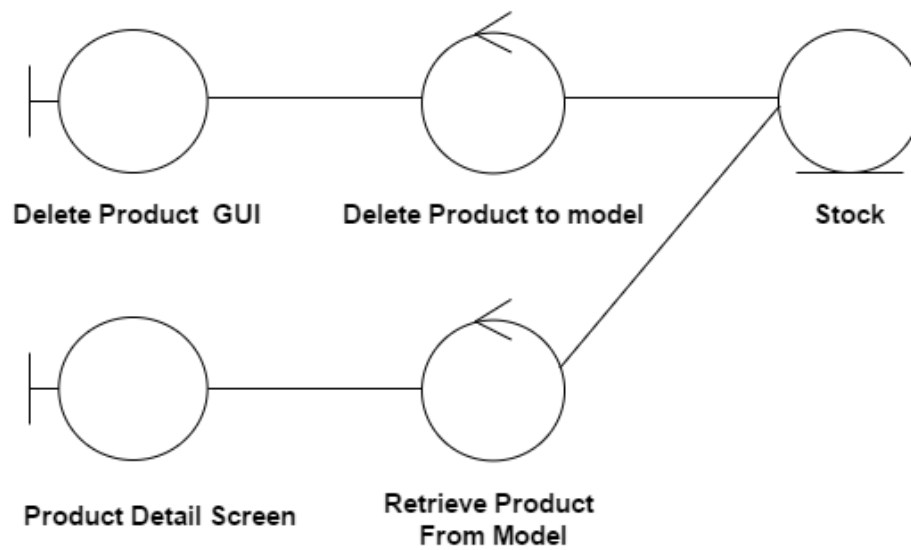## 3. System Structure

Mr.suthikiet vongna 5730213076

4. MVC

Mr.suthikiet vongna 5730213076

MVC : search Product

MVC : Record purchase order

MVC : Return Product

MVC : Delete product

MVC : sell product management subsystem

MVC Add Product

Add Product GUI   Add Product to model   Stock

Product Detail Screen   Retrieve Product
From Model

MVC Delete Product

Delete Product GUI   Delete Product to model   Stock

Product Detail Screen   Retrieve Product
From Model

Mr. Ruslan Hama 57302130063

MVC Search Product

Search Product GUI   Search Product to model   Stock

Product Detail Screen   Retrieve Product From Model

MVC Update Product

Update Product GUI   Update Product to model   Stock

Product Detail Screen   Retrieve Product From Model
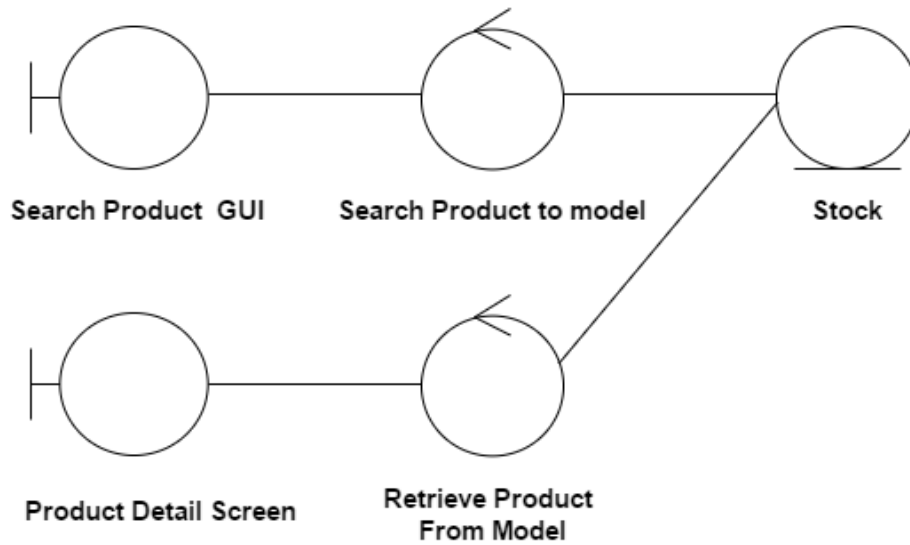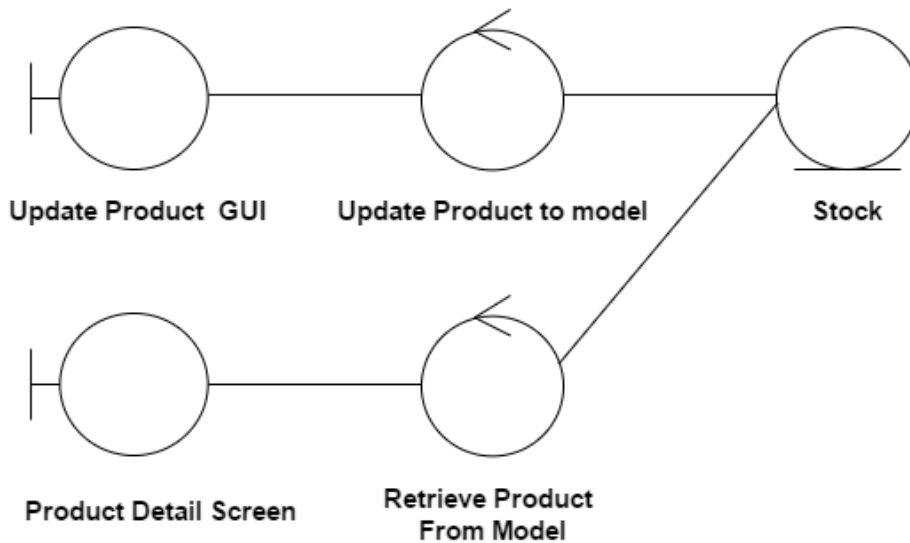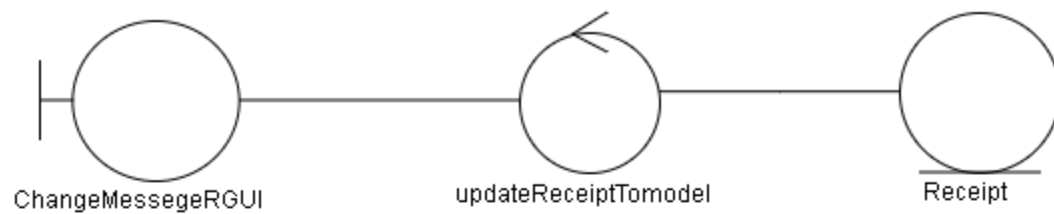
MVC : stock management subsystem

Mr. Ruslan Hama 57302130063

MVC Change Messege in Receipt

ChangeMessegeRGUI   updateReceiptTomodel   Receipt

MVC Print Recipt

PrintRGui   PrintReceiptTomodel   Receipt
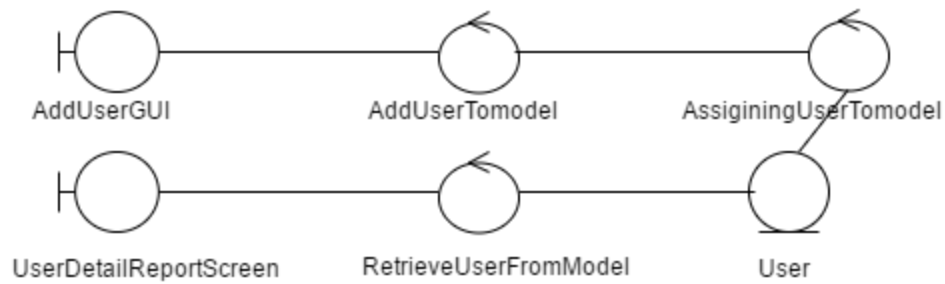
MVC Receipt Size Setting

SizeSetting RGui   updateReceiptTomodel   Receipt

MVC Export to PDF / Excel

ExportRGui   ExportReceiptTomodel   Receipt
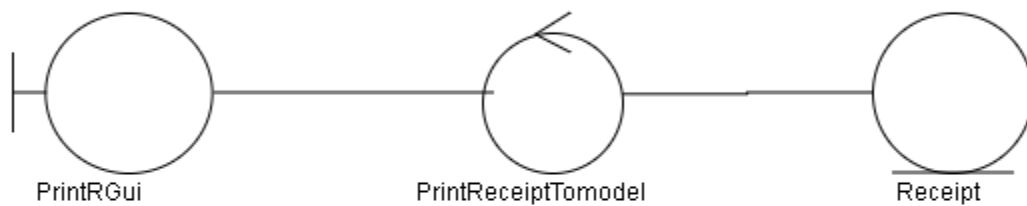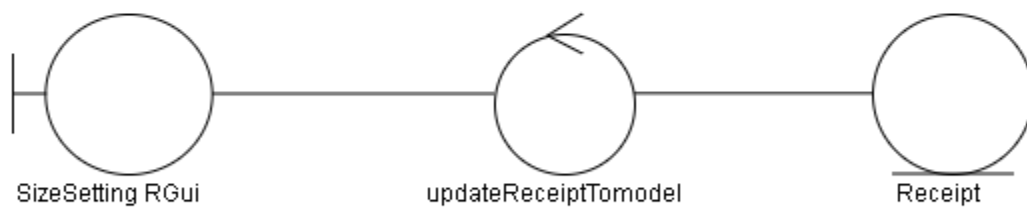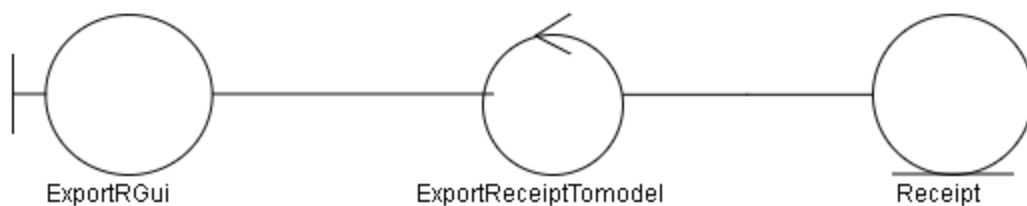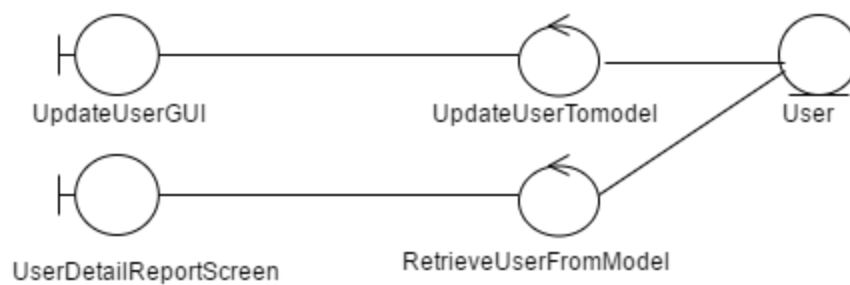
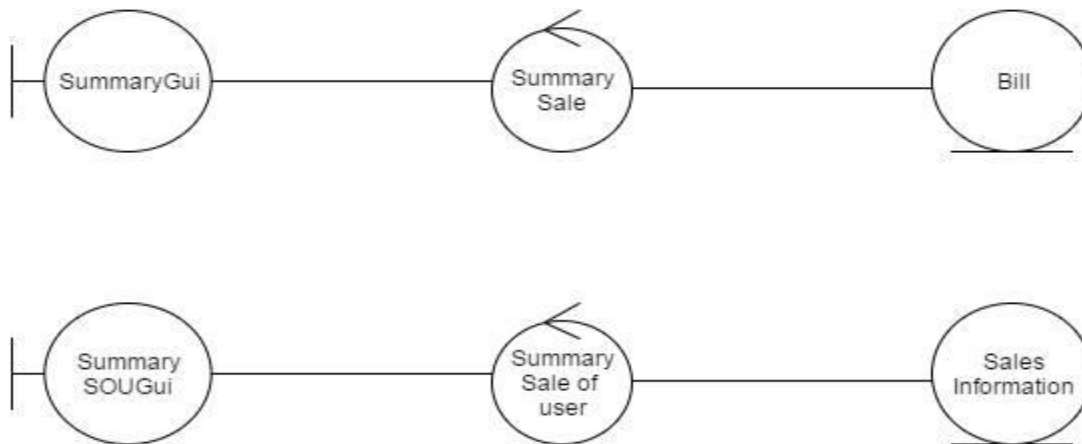MVC : Receipt management subsystem

Mr. Arsad Dengchi 5730213065

MVC Add User

AddUserGUI   AddUserTomodel   AssiginingUserTomodel

UserDetailReportScreen   RetrieveUserFromModel   User

MVC Update User

UpdateUserGUI   UpdateUserTomodel   User

UserDetailReportScreen   RetrieveUserFromModel

MVC Delete User

DeleteUserGUI   DeleteUserTomodel   User

UserDetailReportScreen   RetrieveUserFromModel
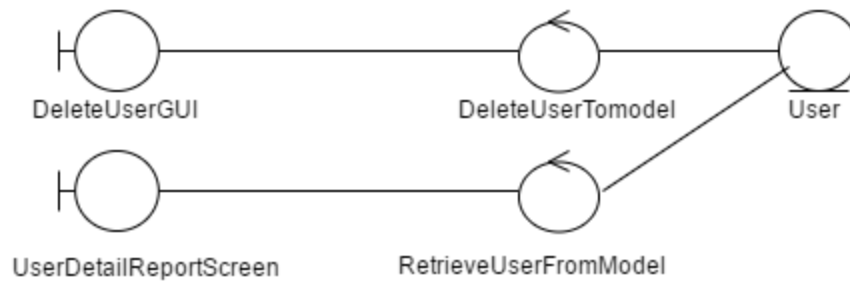
MVC Assigning access rights

AssigningUserGUI   AssiginingUserTomodel   User

UserDetailReportScreen   RetrieveUserFromModel
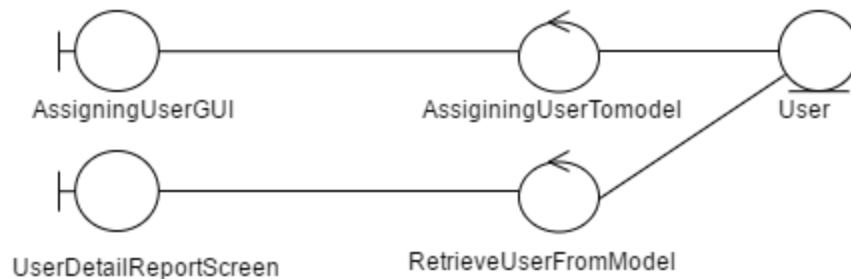
Nonlapun Pansit 5730213003 SE

MVC **:** Login management subsystem

MVC Add ID barcode
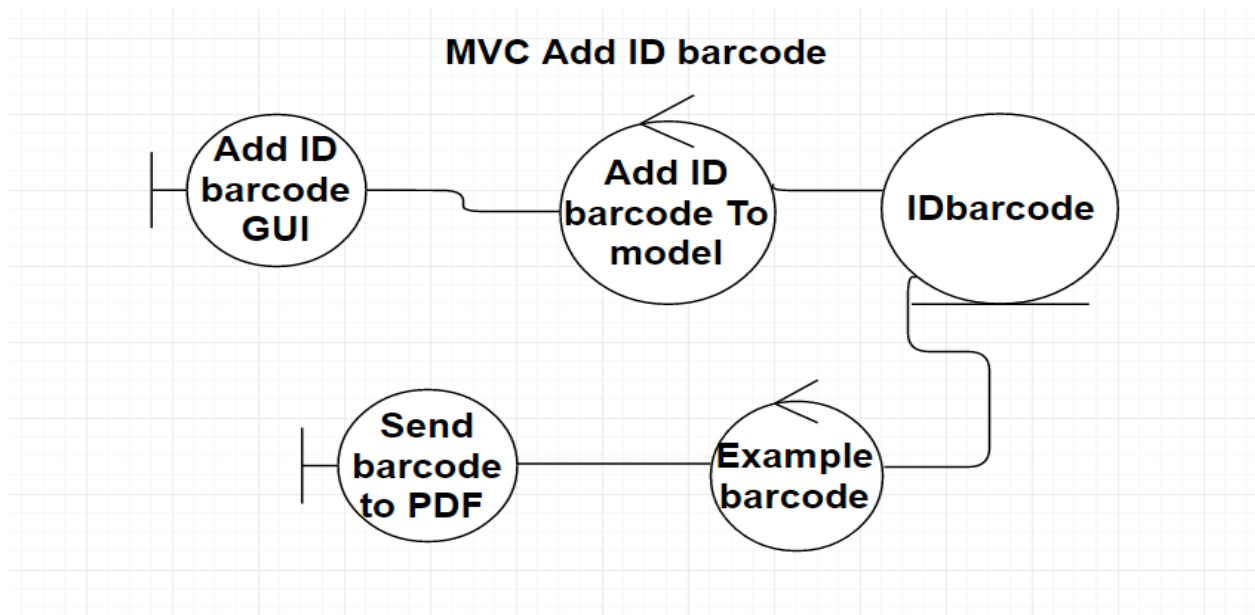
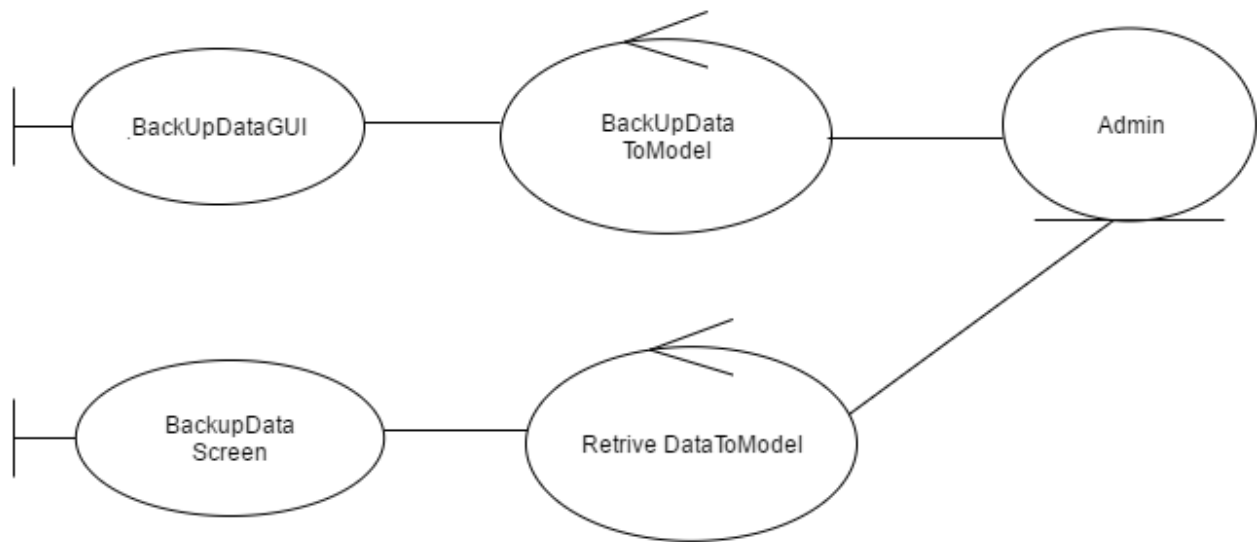MVC : barcode management subsystem

Mr. Nantipat Tullwattana 5730213093
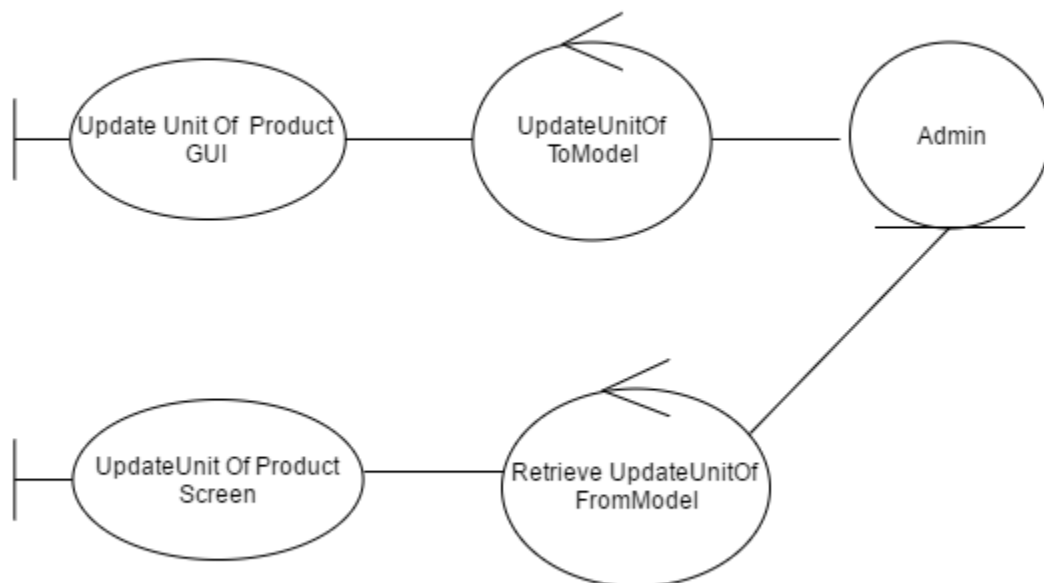

MVC : summary management subsystem

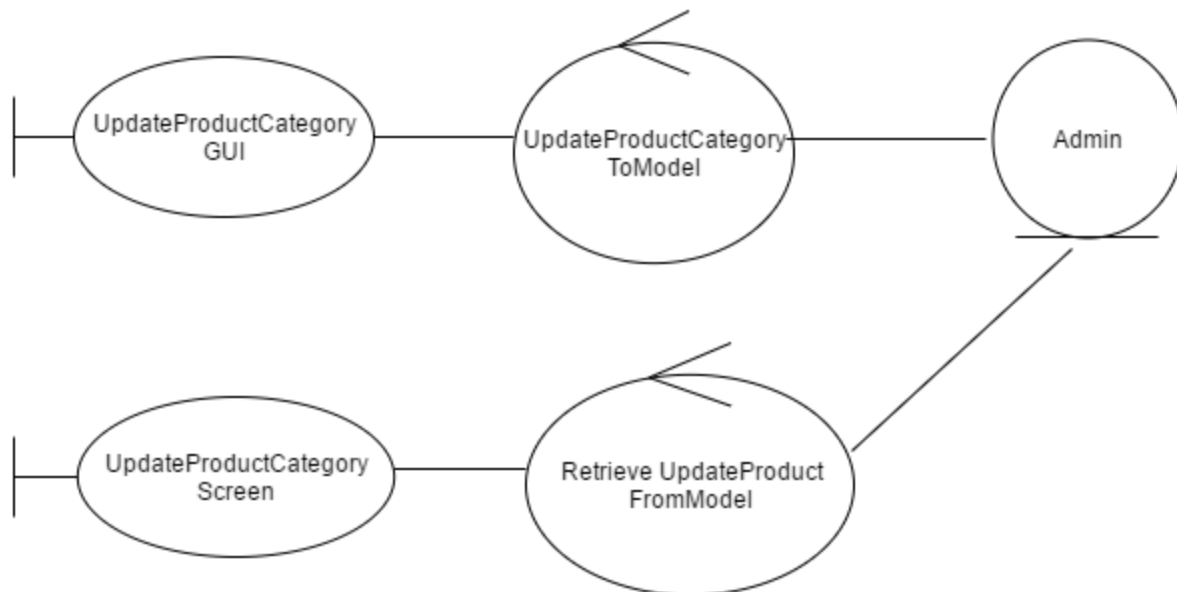Mr. Warunyou Keeretichot 5730213099

Backup data MVC

Thummarong Wongsawat 5730213085

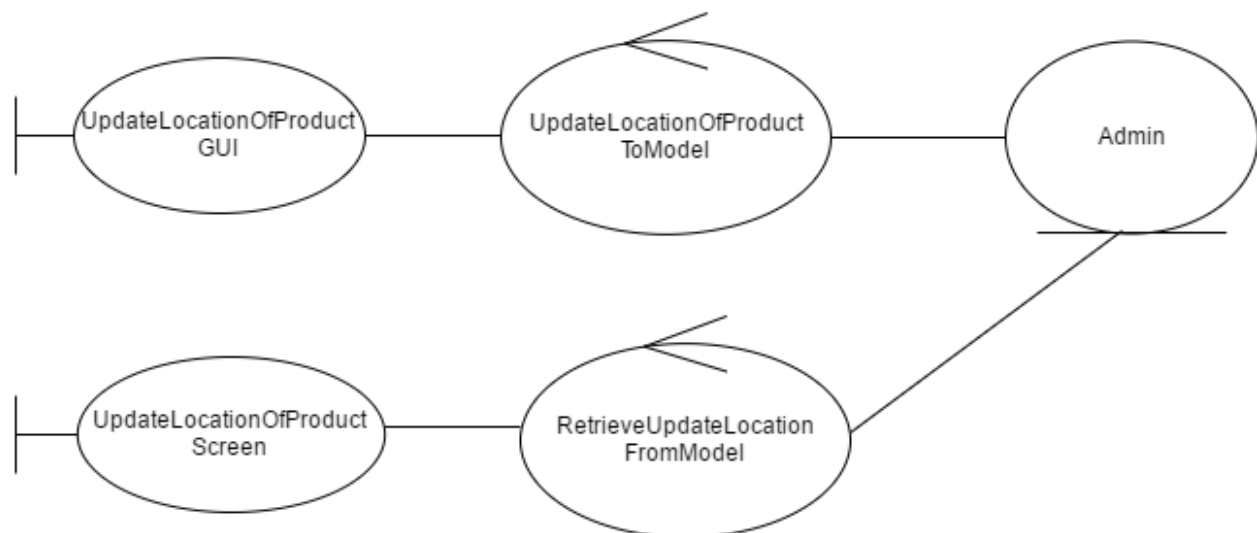# UpdateUnitOfProduct MVC

Thummarong Wongsawat 5730213085
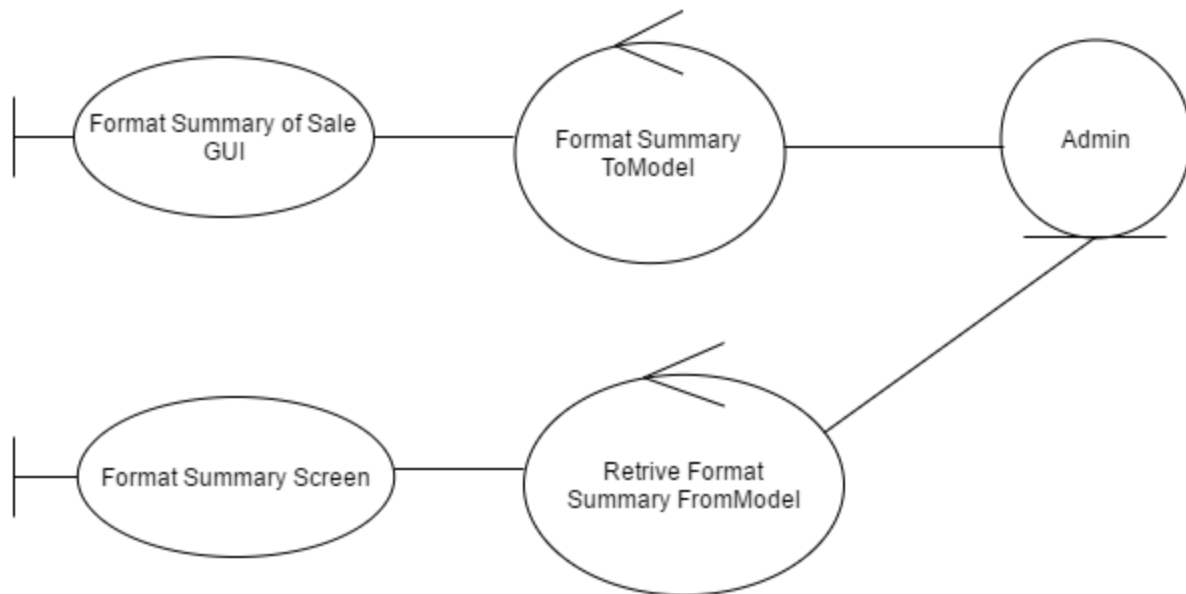
Update Product Category MVC

Thummarong Wongsawat 5730213085
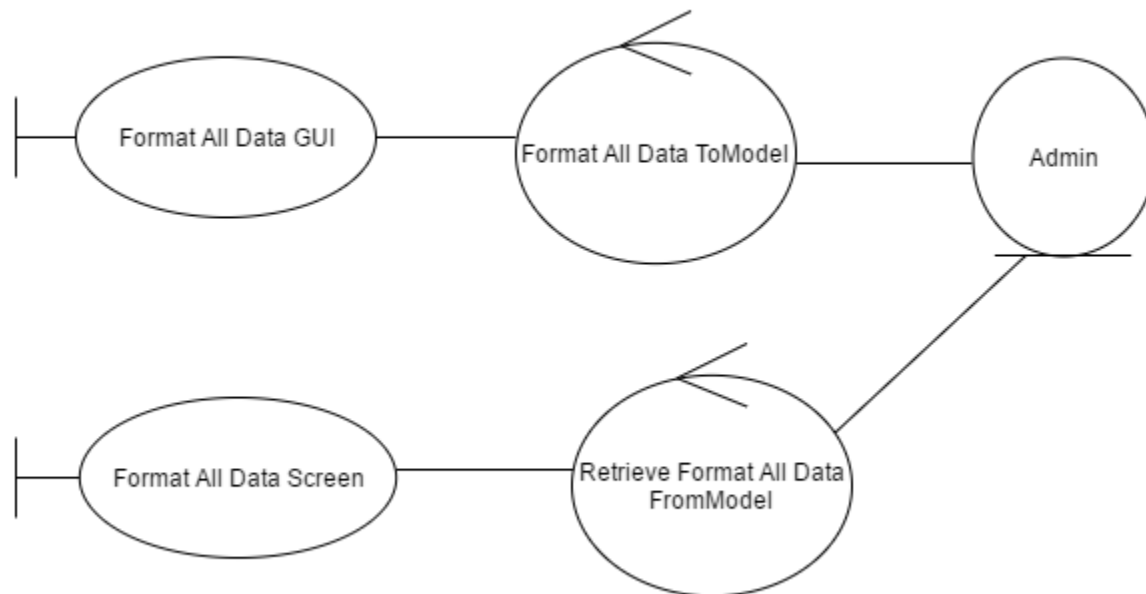
Update Location Of Product MVC

Thummarong Wongsawat 5730213085

Format Summary Of Sale MVC
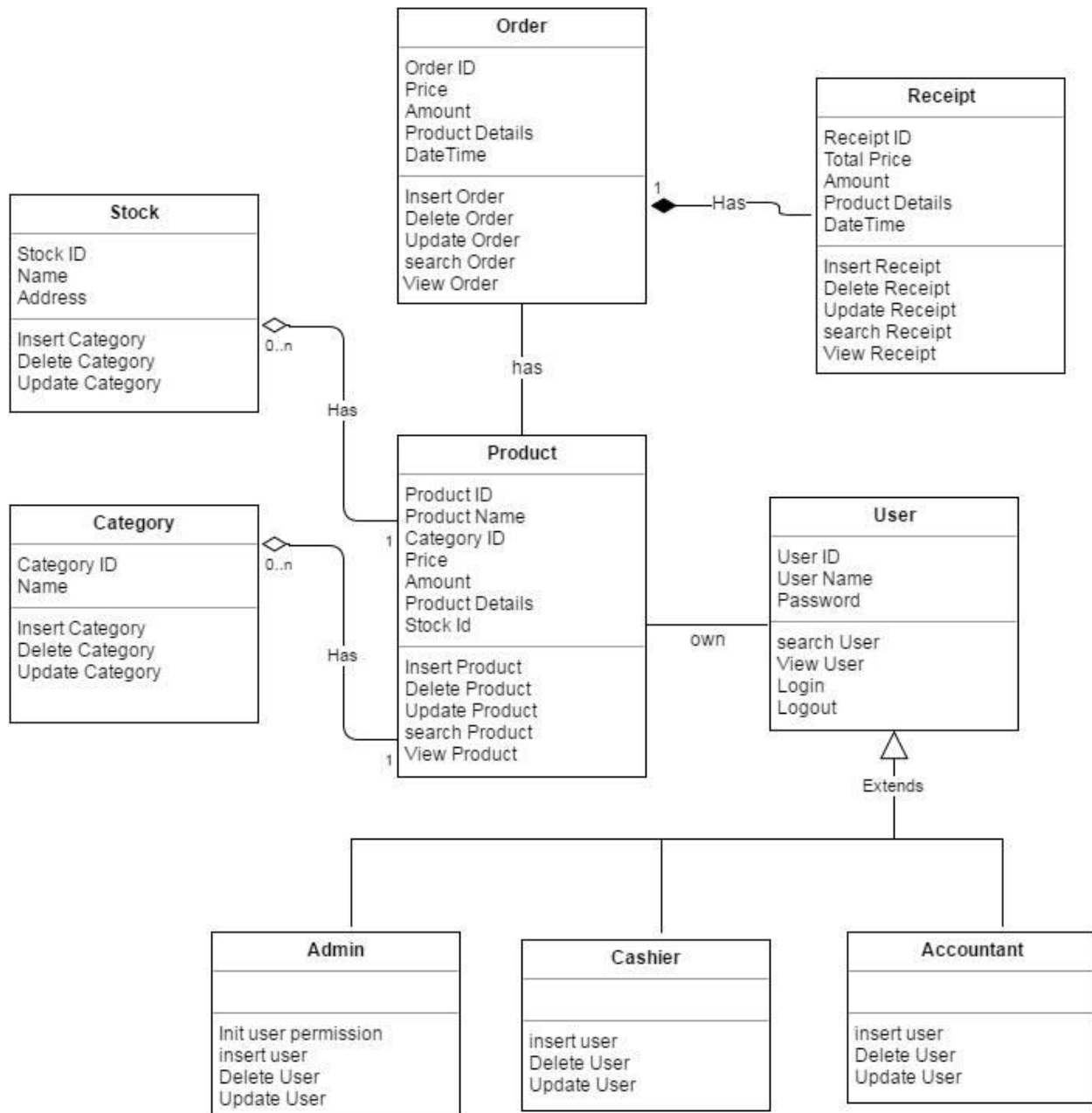

Thummarong Wongsawat 5730213085

Format All Data MVC

Thummarong Wongsawat 5730213085

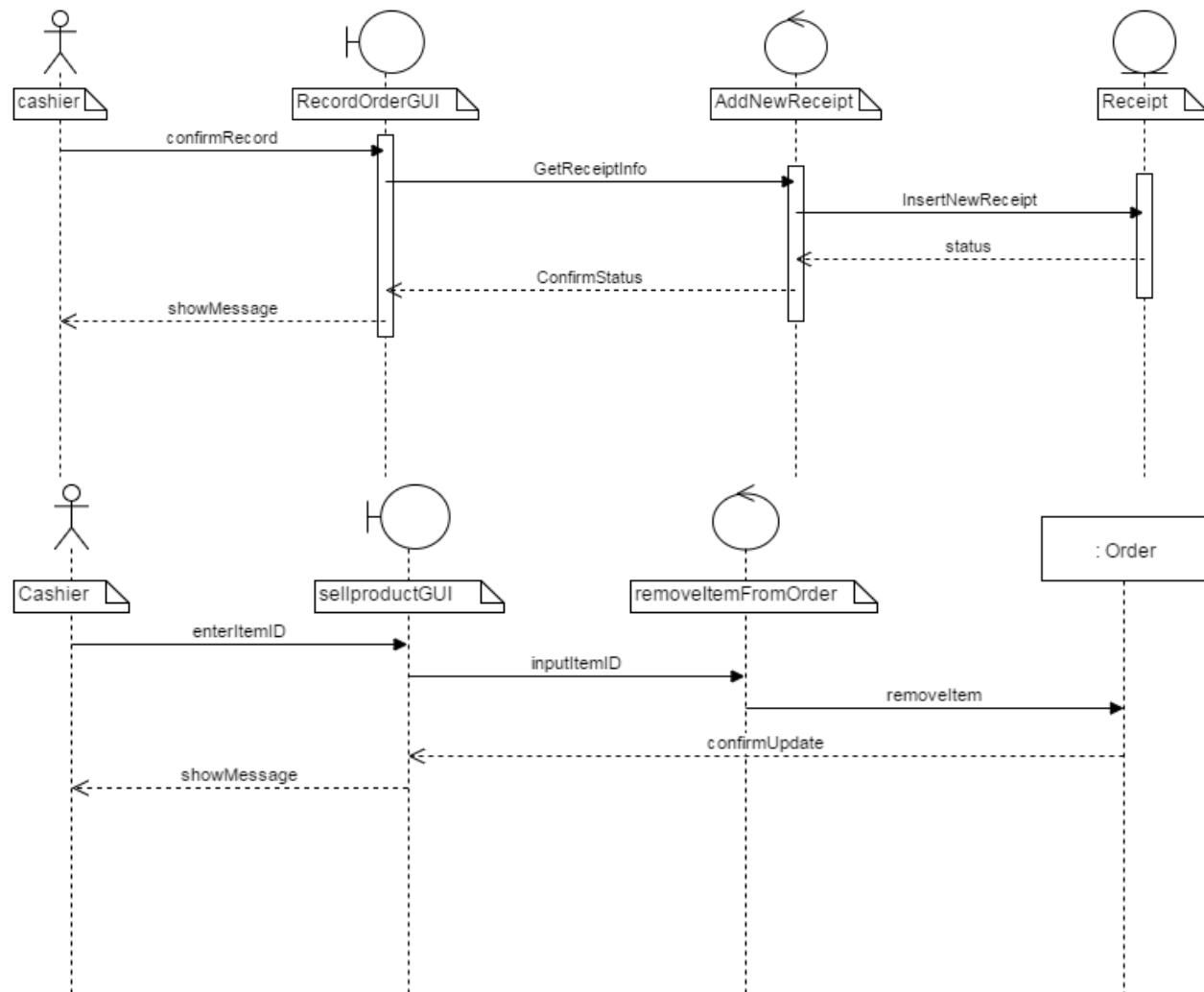MVC : Program setting management subsystem

5. class diagram

Class diagram : โปรแกรมขายสินค้าหน้าร้าน bSoft POS system
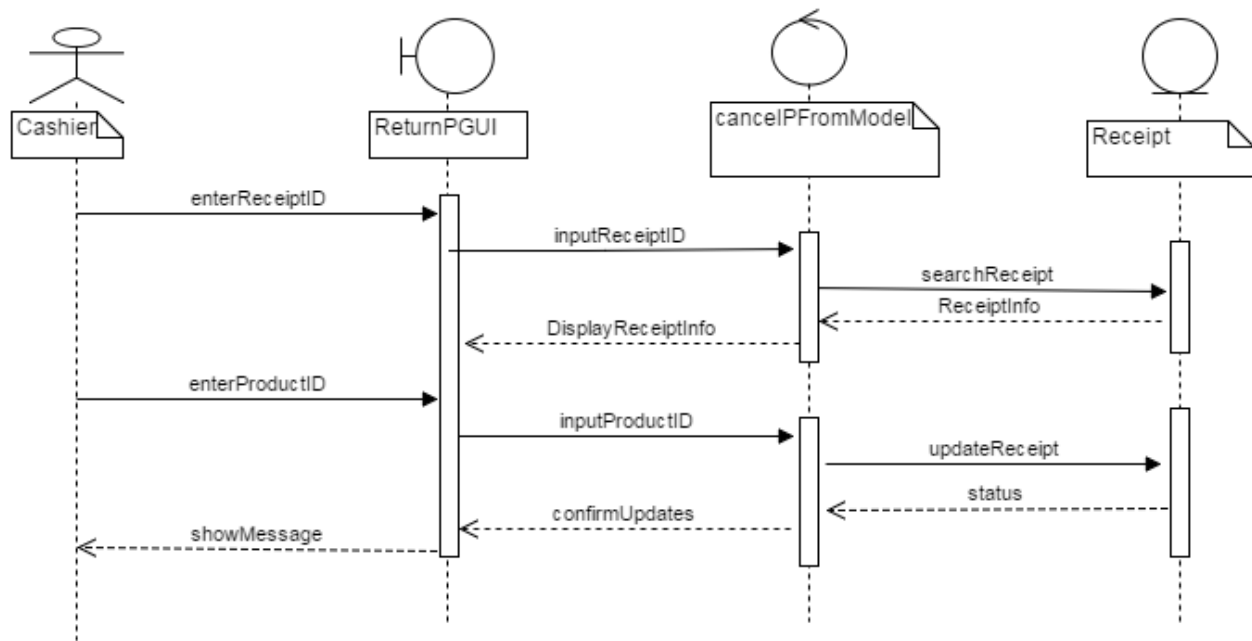
Mr. suthikiet vongna 5730213076

6. System behavior Model

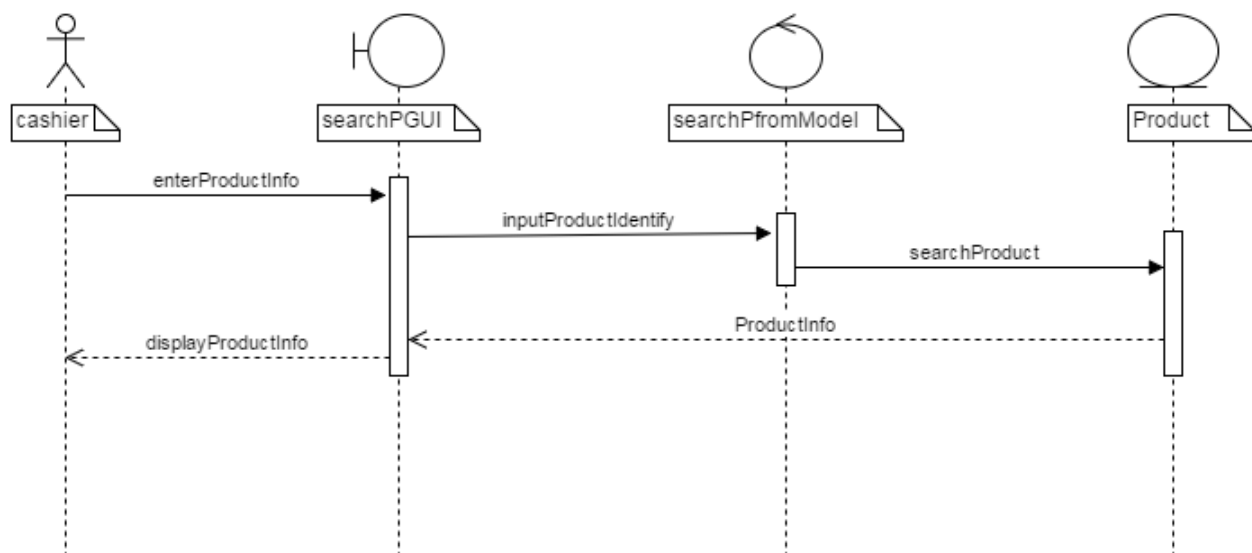Sequence diagram : record purchase order (sell product subsystem)

Sequence diagram : delete product (sell product subsystem)

Mr. suthikiet vongna 5730213076

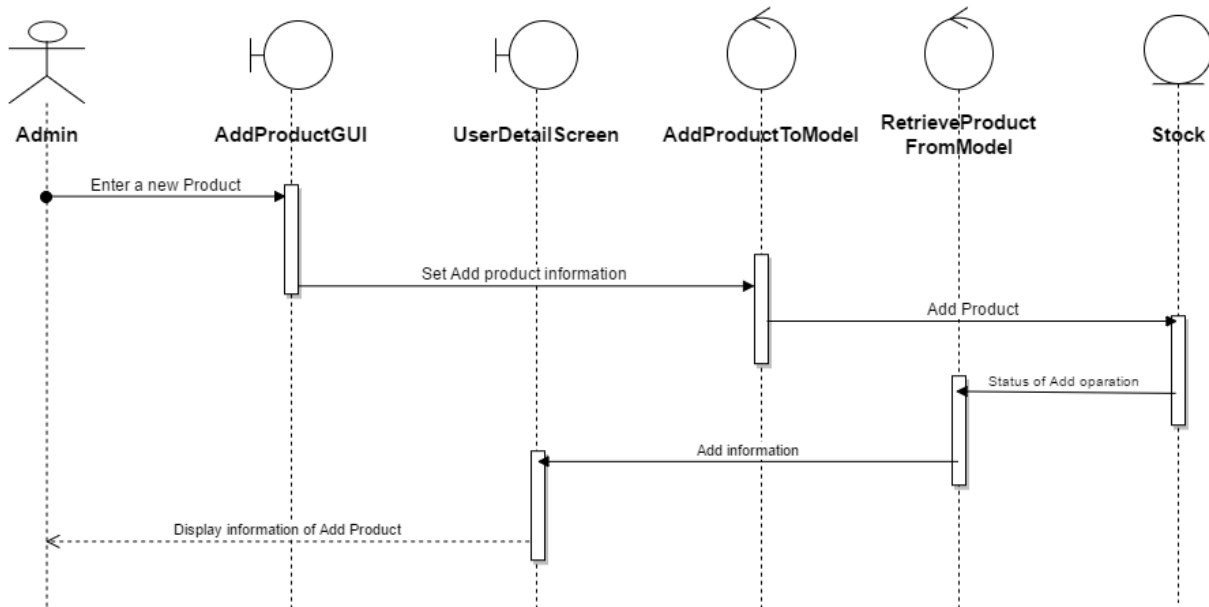Sequence diagram : return product (sell product subsystem)

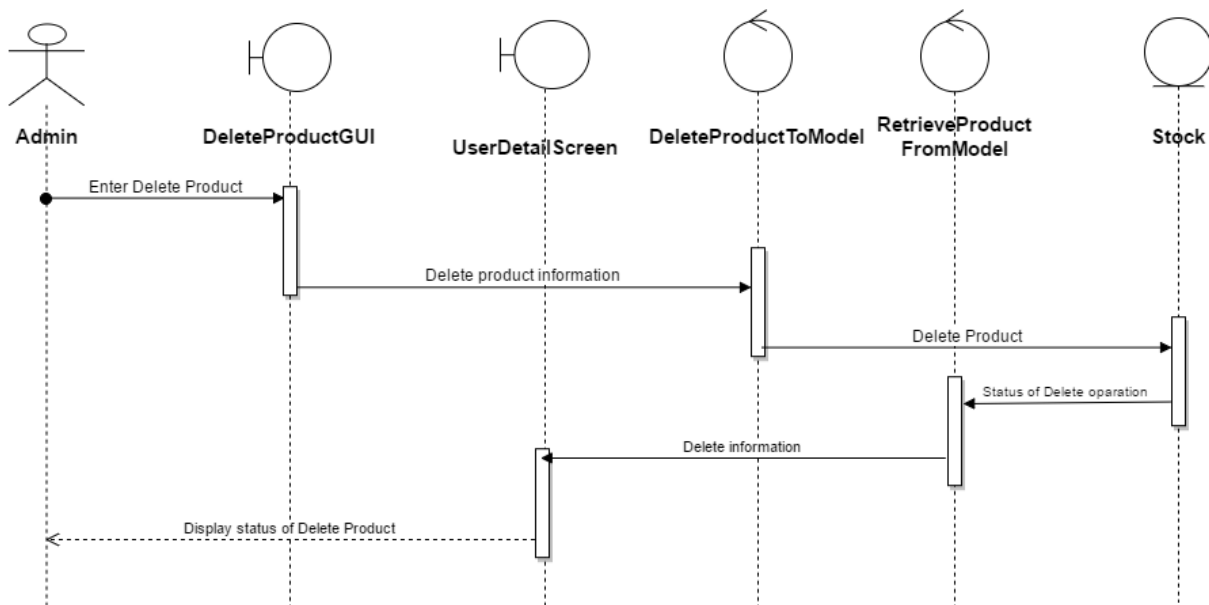Sequence diagram : search product (sell product subsystem)

Mr. suthikiet vongna 5730213076
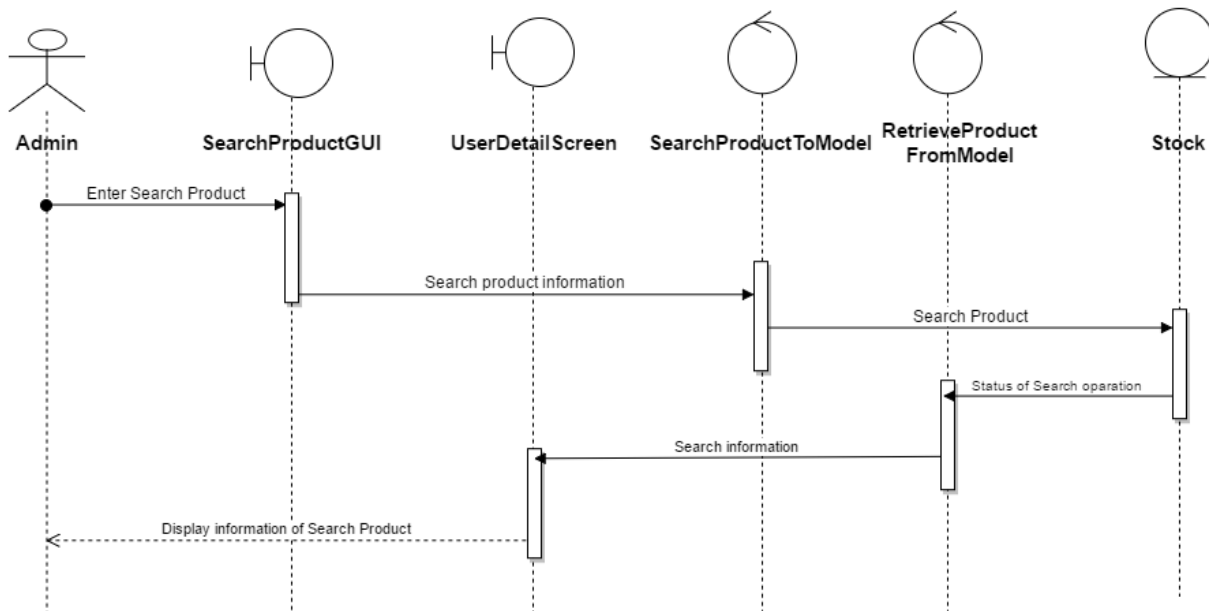
Mr. Ruslan Hama 57302130063

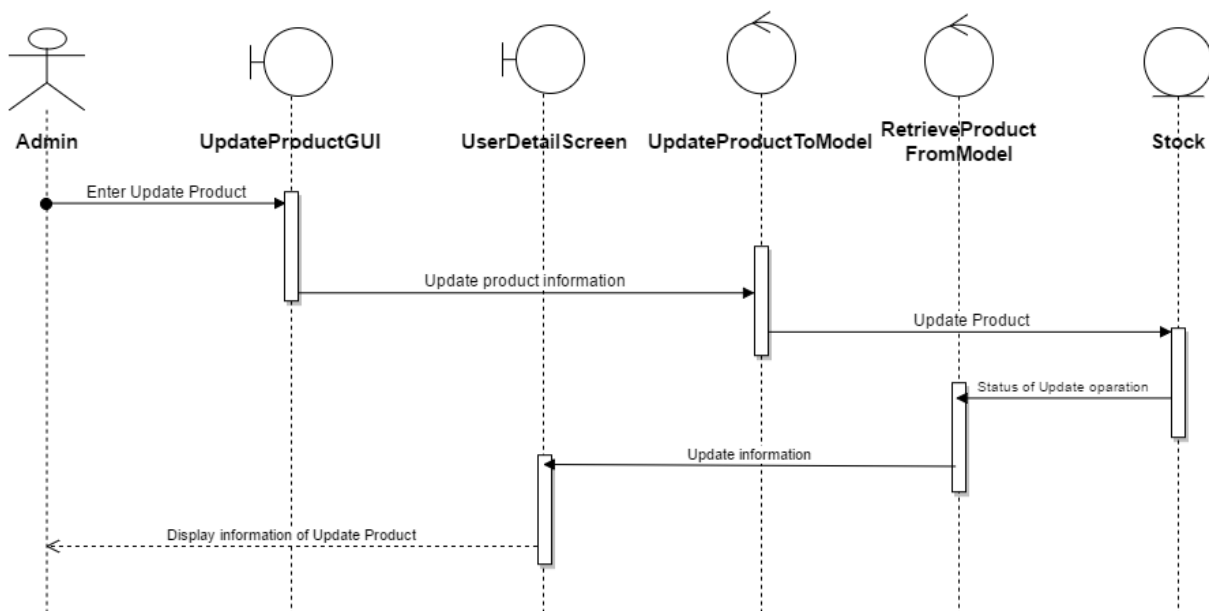**Sequence Diagram of Stock Management (AddProduct)**

Sequence Diagram of Stock Management (DeleteProduct)
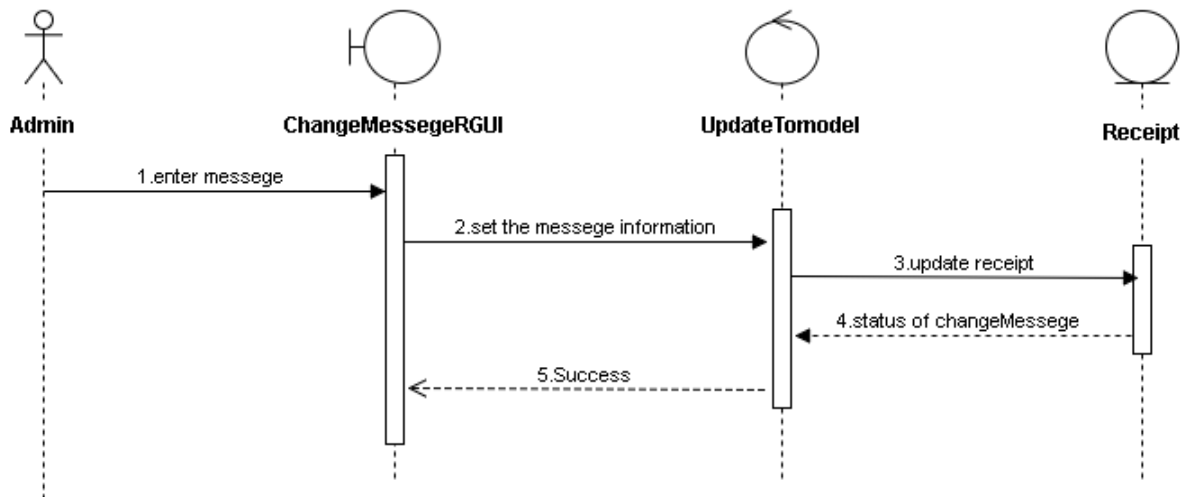
Sequence Diagram of Stock Management (SearchProduct)
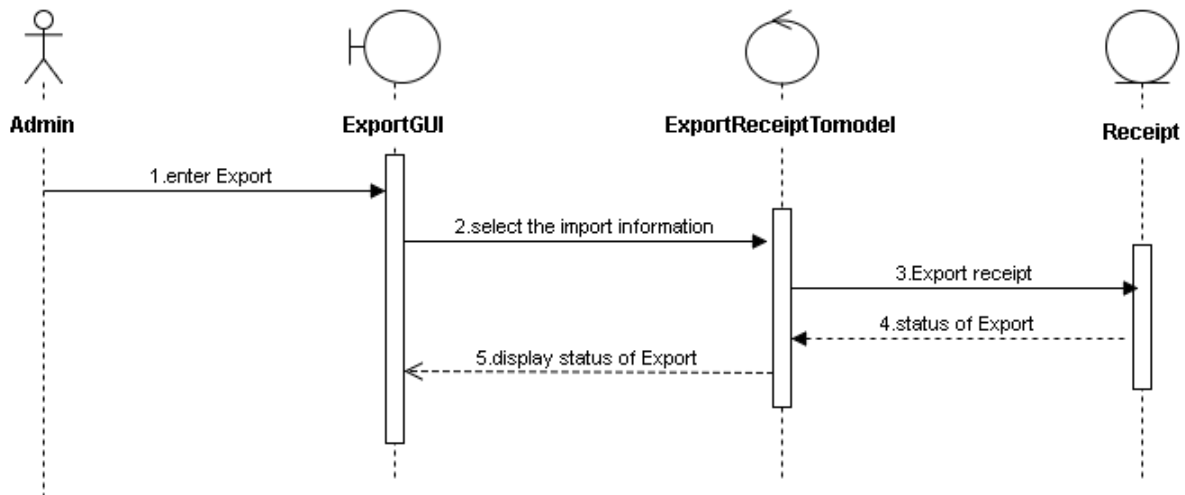

Sequence Diagram of Stock Management (UpdateProduct)

Mr. Ruslan Hama 57302130063

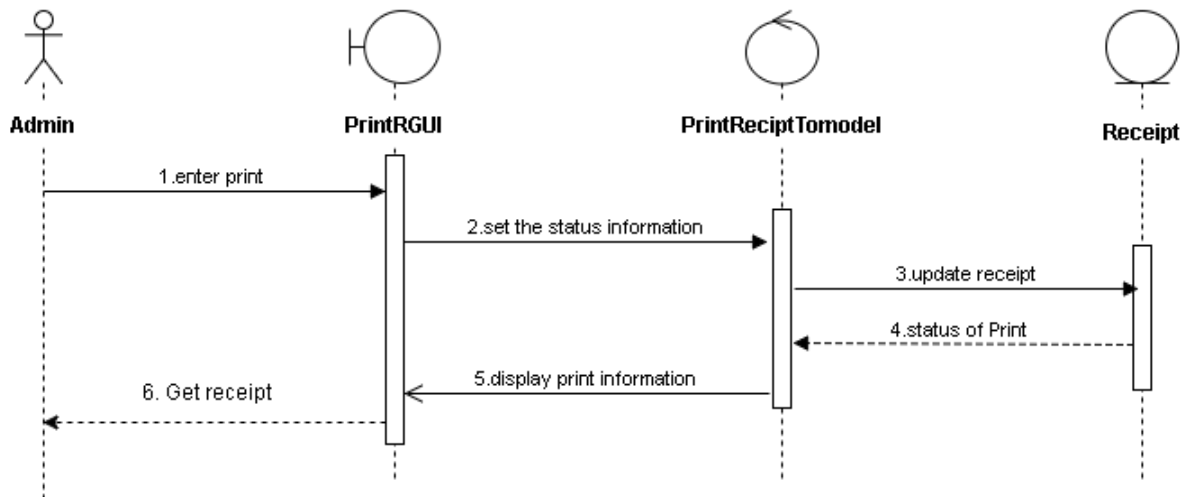**Sequence diragram of Print Setting (ChangeMessegeReceipt)**

| Admin | ChangeMessegeRGUI | UpdateTomodel | Receipt |

1.enter messege

2.set the messege information

3.update receipt

4.status of changeMessege

5.Success

Sequence diragram of Print Setting (Export to PDF / Excel)

| Admin | ExportGUI | ExportReceiptTomodel | Receipt |

1.enter Export

2.select the import information

3.Export receipt

4.status of Export

5.display status of Export

Mr. Arsad Dengchi 5730213065

Sequence diragram of Print Setting (Print Receipt)

Admin PrintRGUI PrintReciptTomodel Receipt

1.enter print

2.set the status information

3.update receipt

4.status of Print

5.display print information

6. Get receipt

Sequence diragram of Print Setting (ReceiptSizeSetting)

Admin SizeSettingRGUI UpdateSizeTomodel Receipt

1.enter size

2.set the size information

3.update receipt

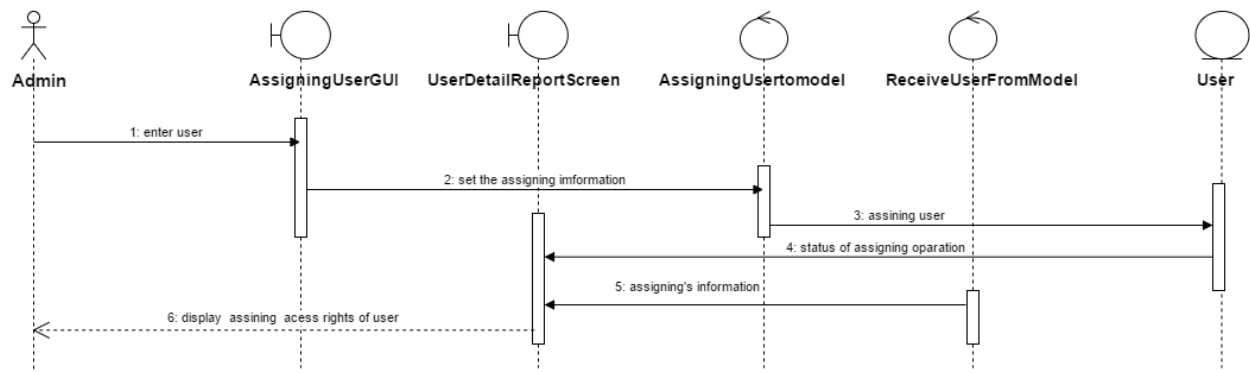4.status of SizeSetting

5.Success
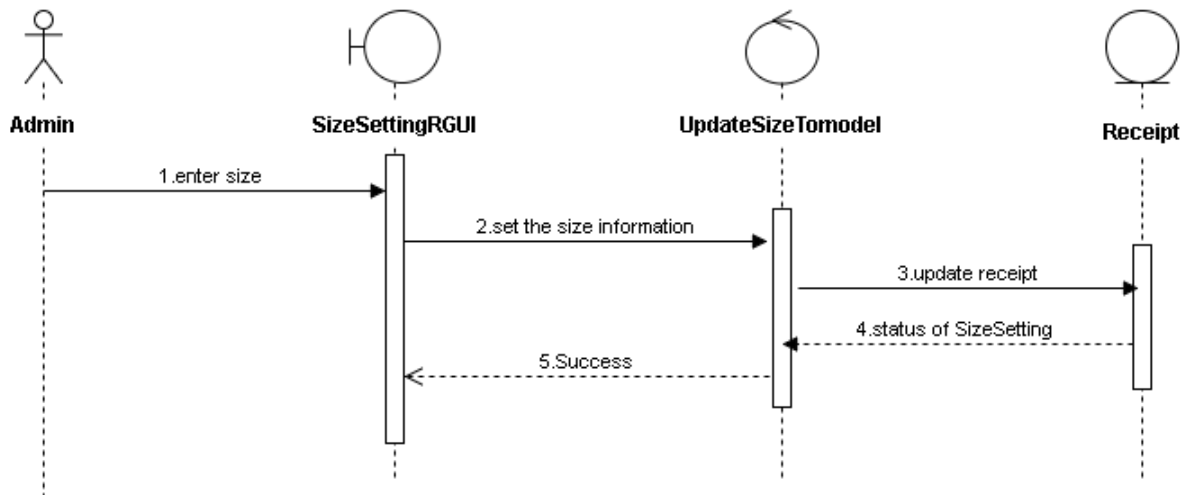
Mr. Arsad Dengchi 5730213065
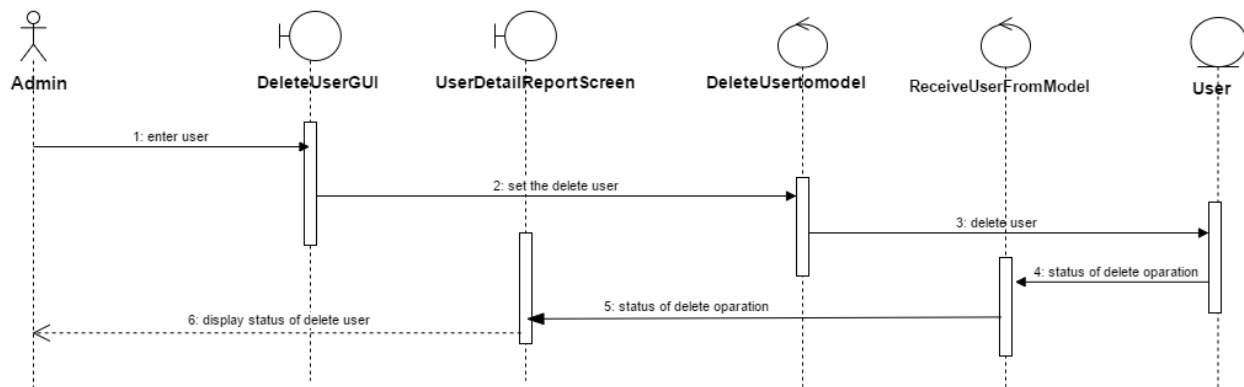
Sequence diagram of login Management (AddUser)
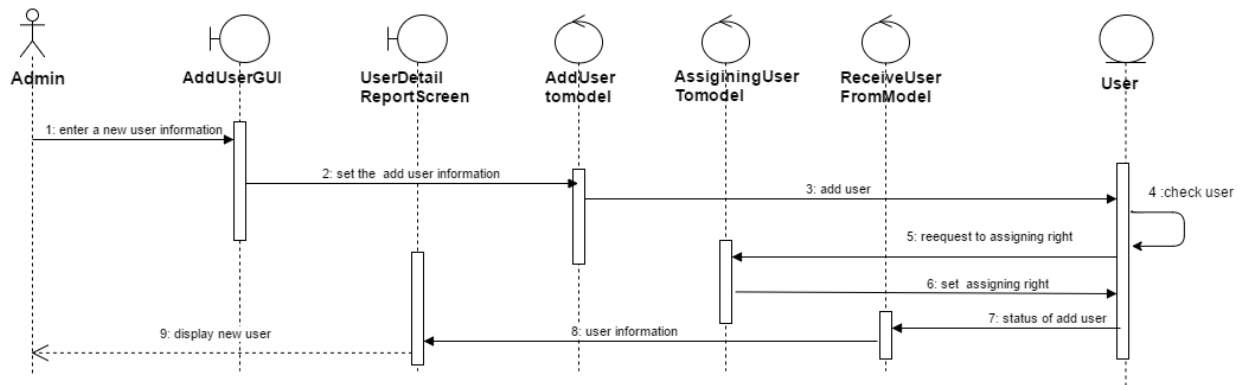
Nonlapun Pansit 5730213003 SE

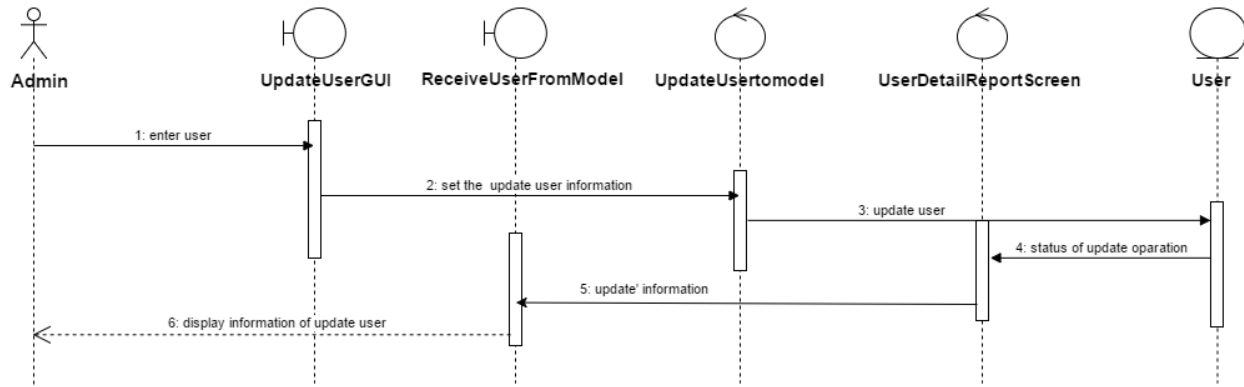Sequence diagram of login Management(Assiging access rights)

Nonlapun Pansit 5730213003 SE

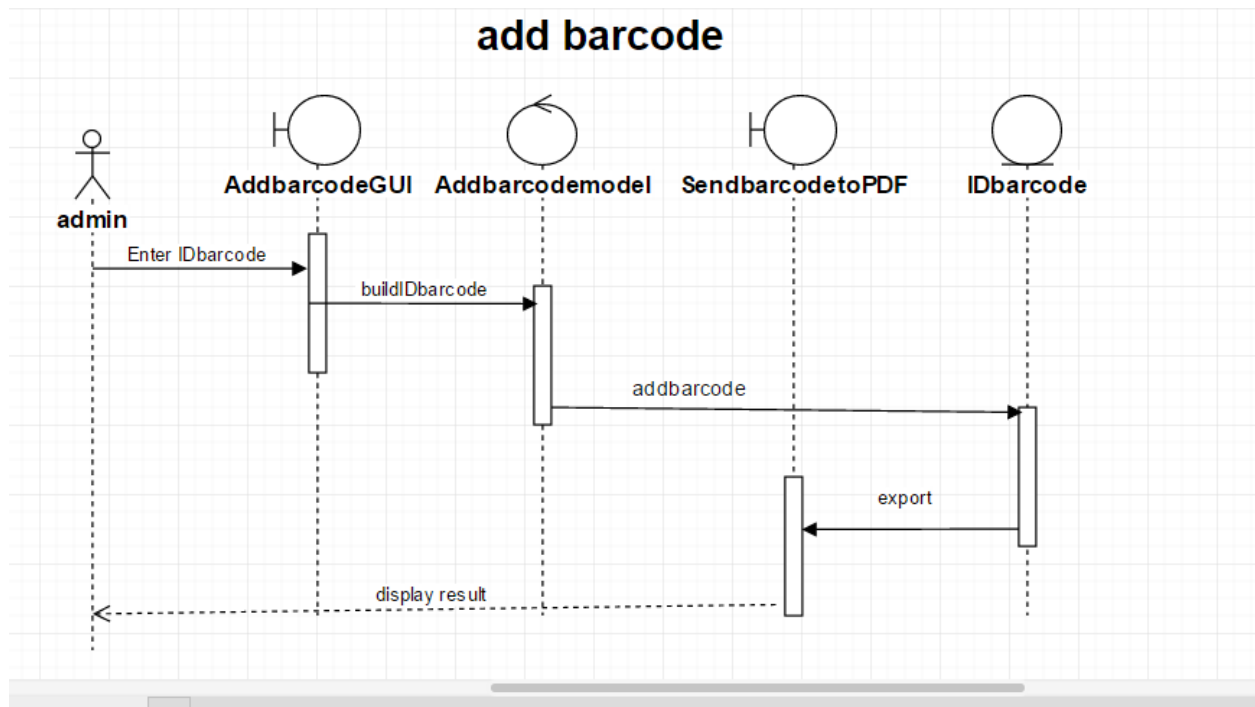**Sequence diagram of login Management(DeleteUser)**
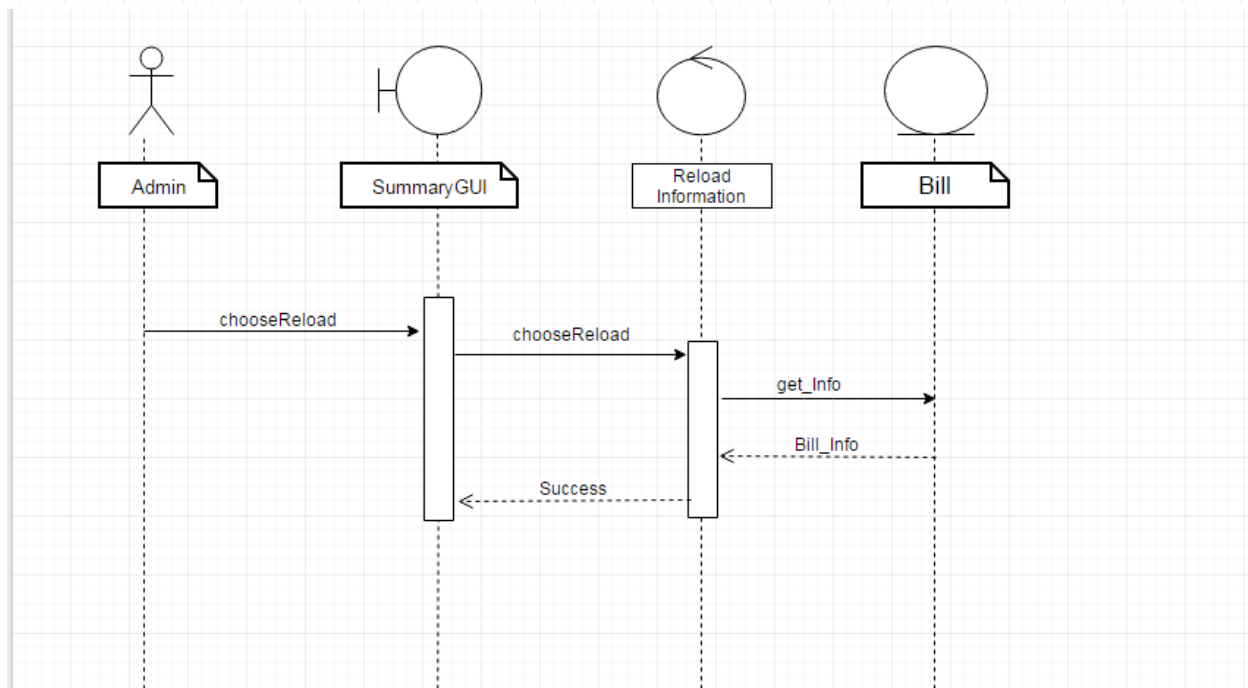

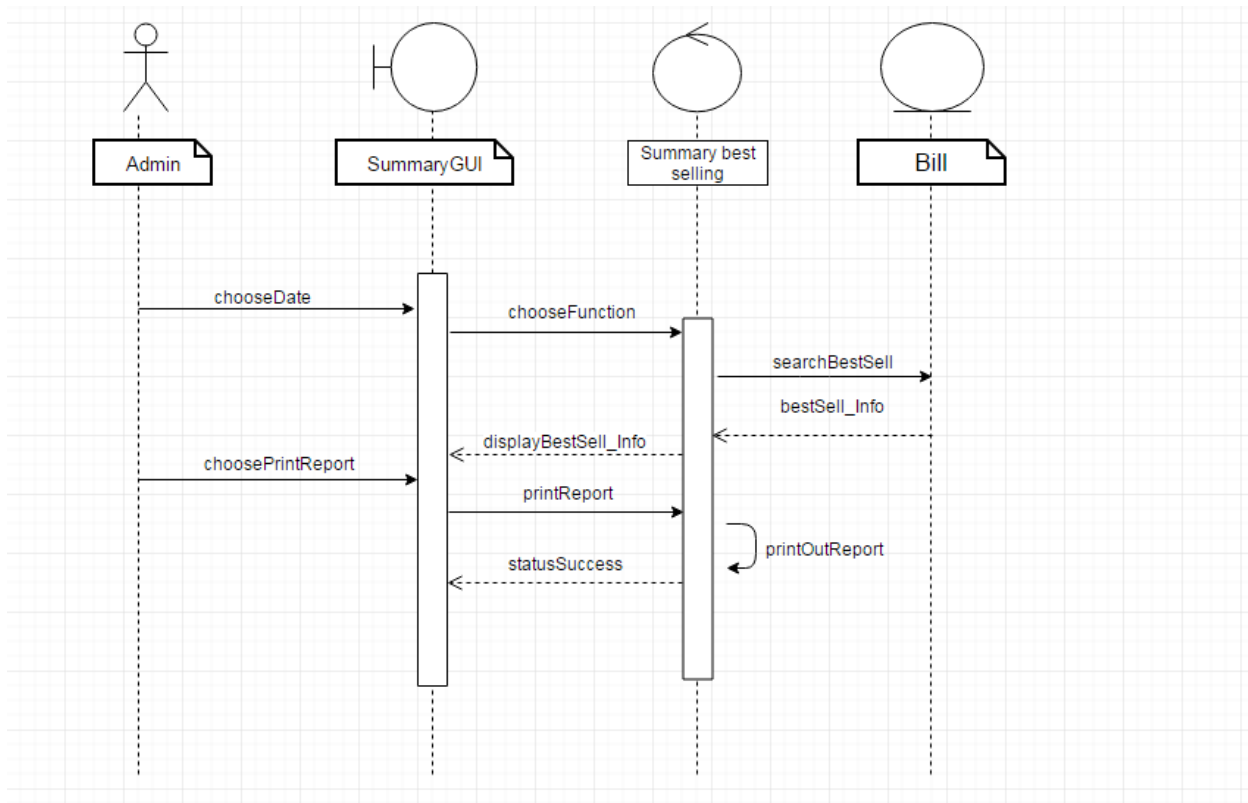
Nonlapun Pansit 5730213003 SE

Sequence diagram of login Management (UpdateUser)

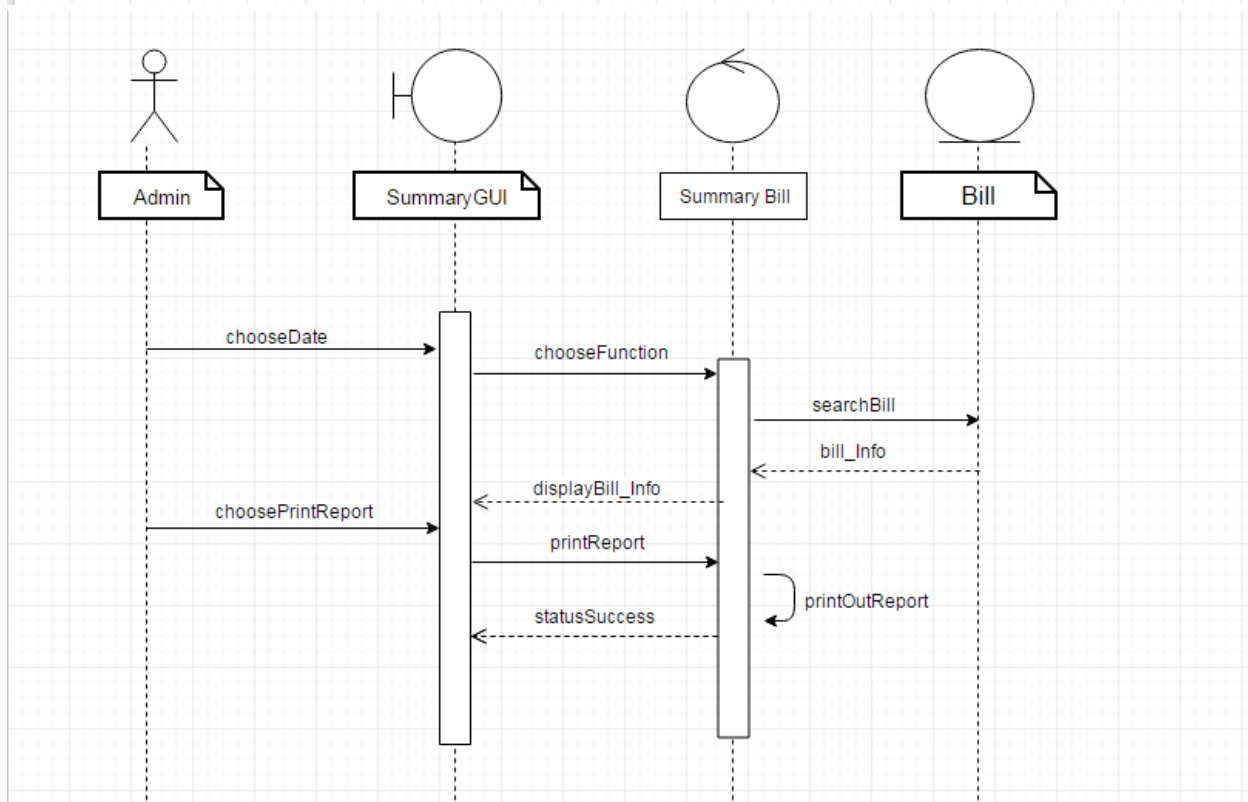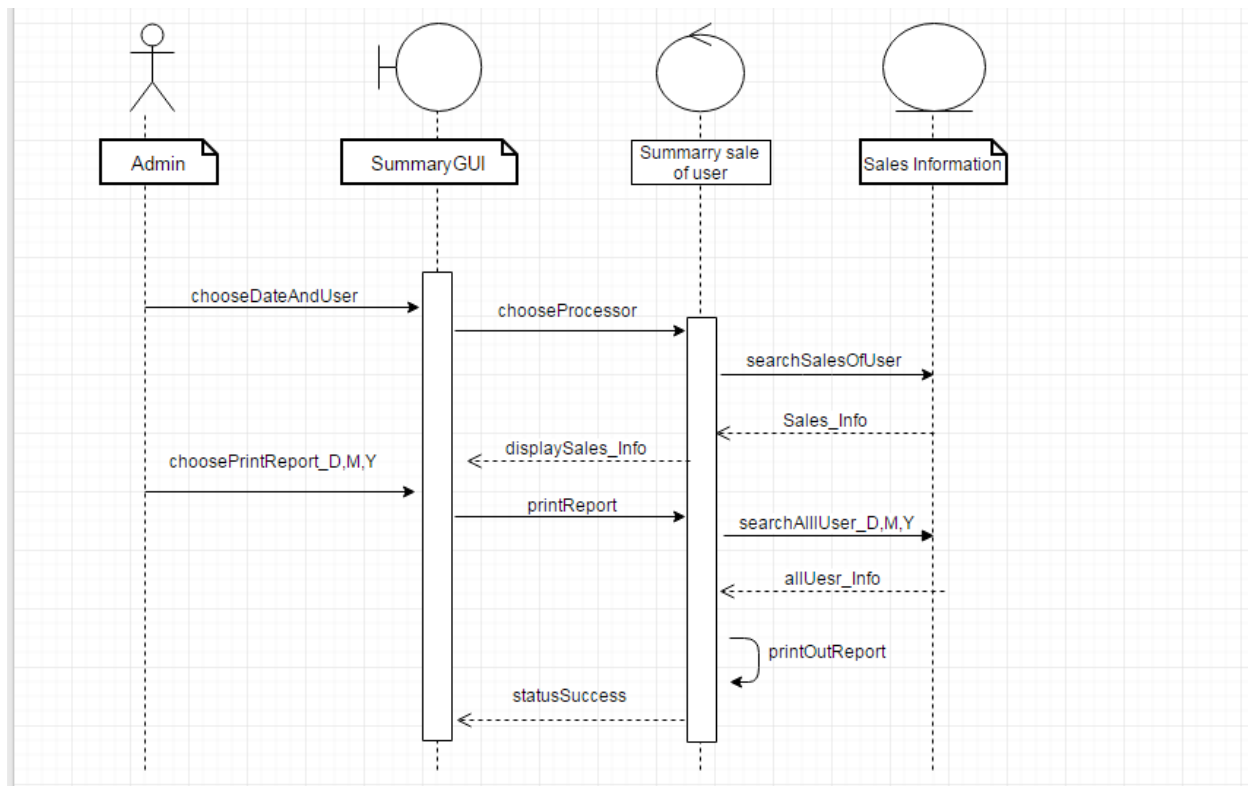Nonlapun Pansit 5730213003 SE

add barcode

Mr. Nantipat Tullwattana 5730213093

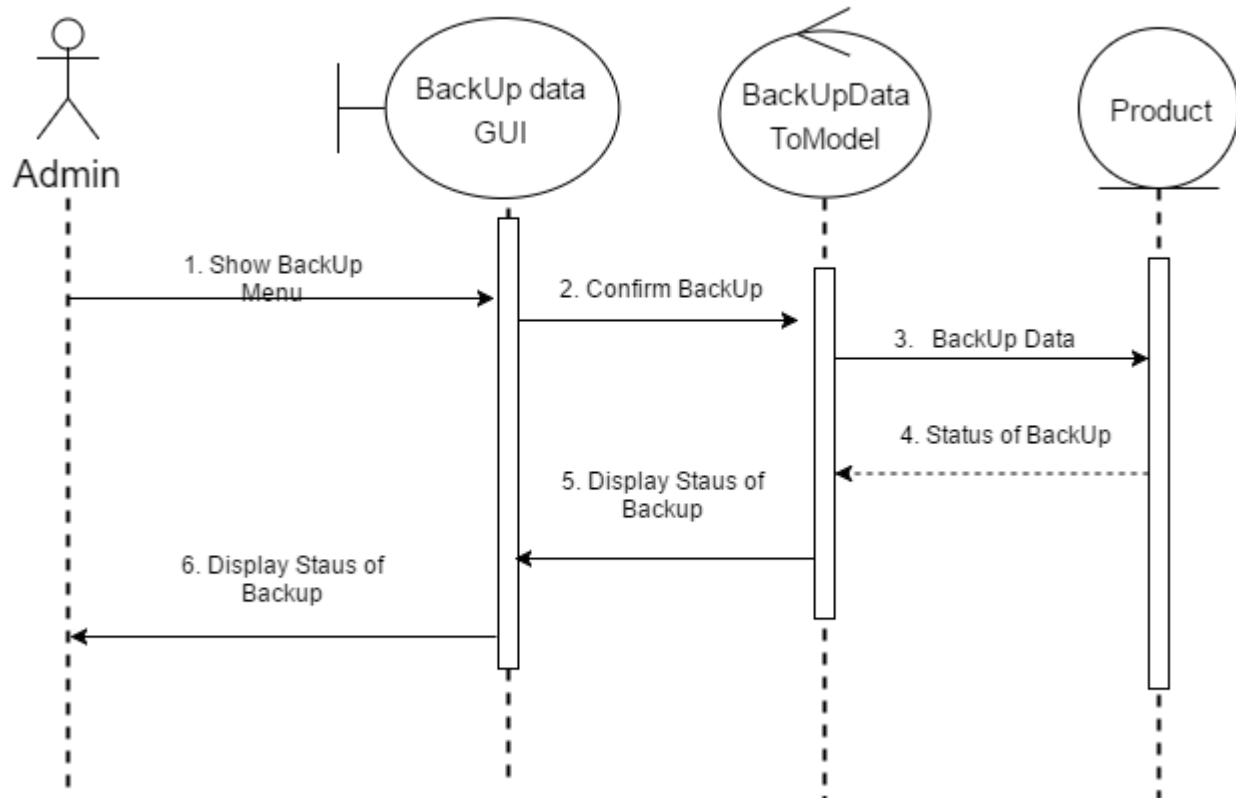Mr. Warunyou Keeretichot
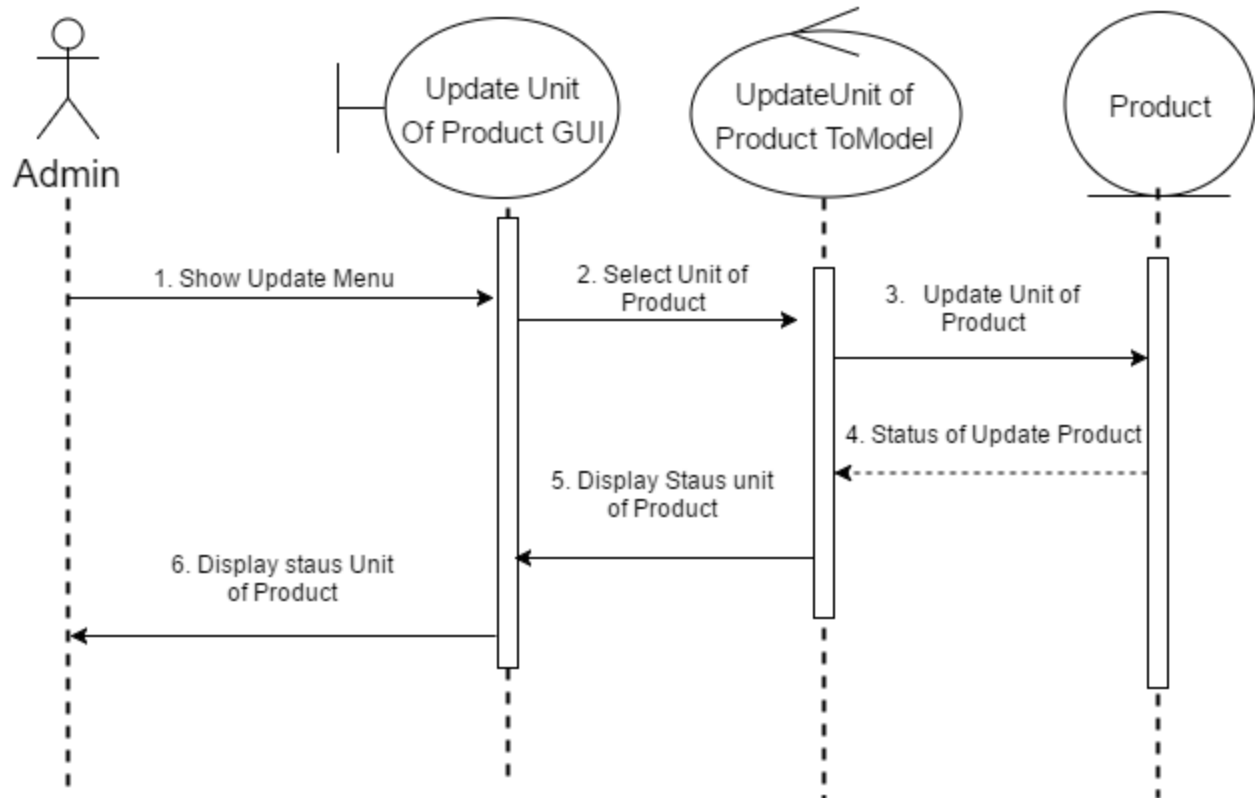
5730213099

Mr. Warunyou Keeretichot

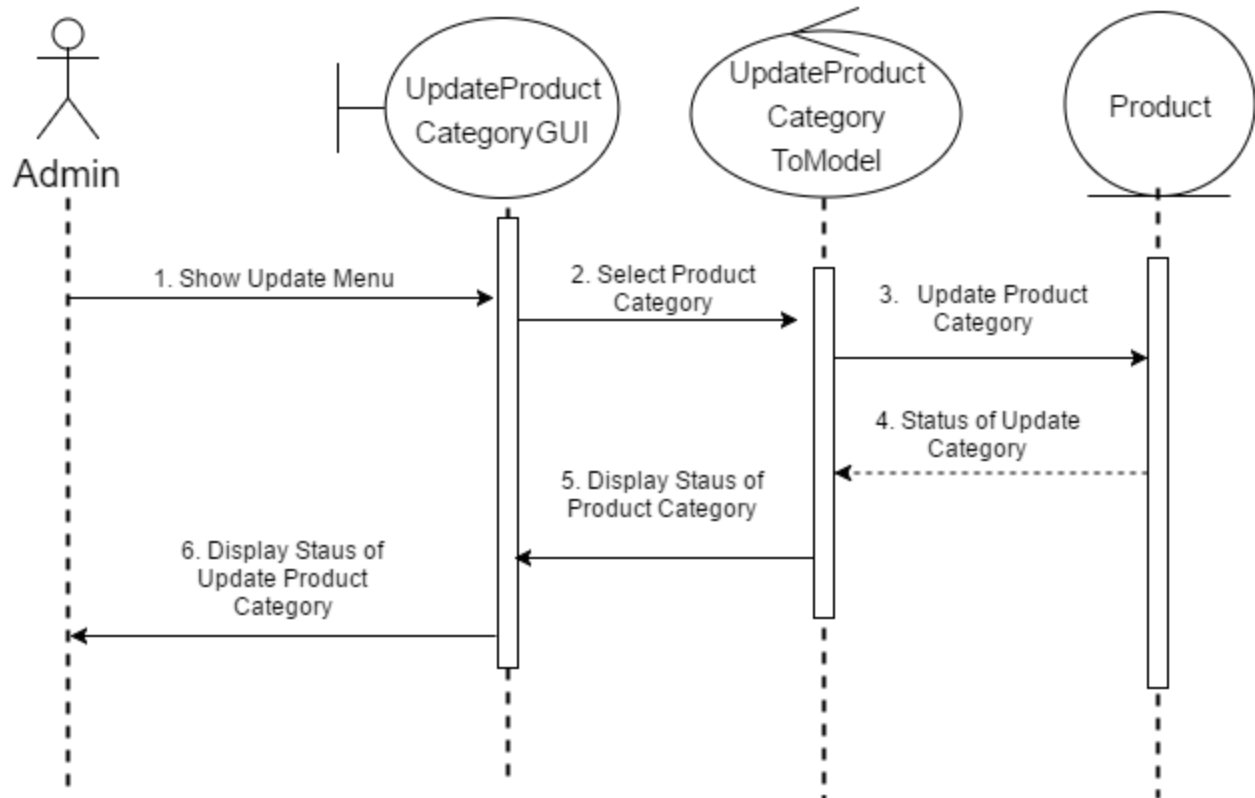5730213099

Sequence Diagram Of Setting (BackUp Data)

Thummarong Wongsawat 5730213085

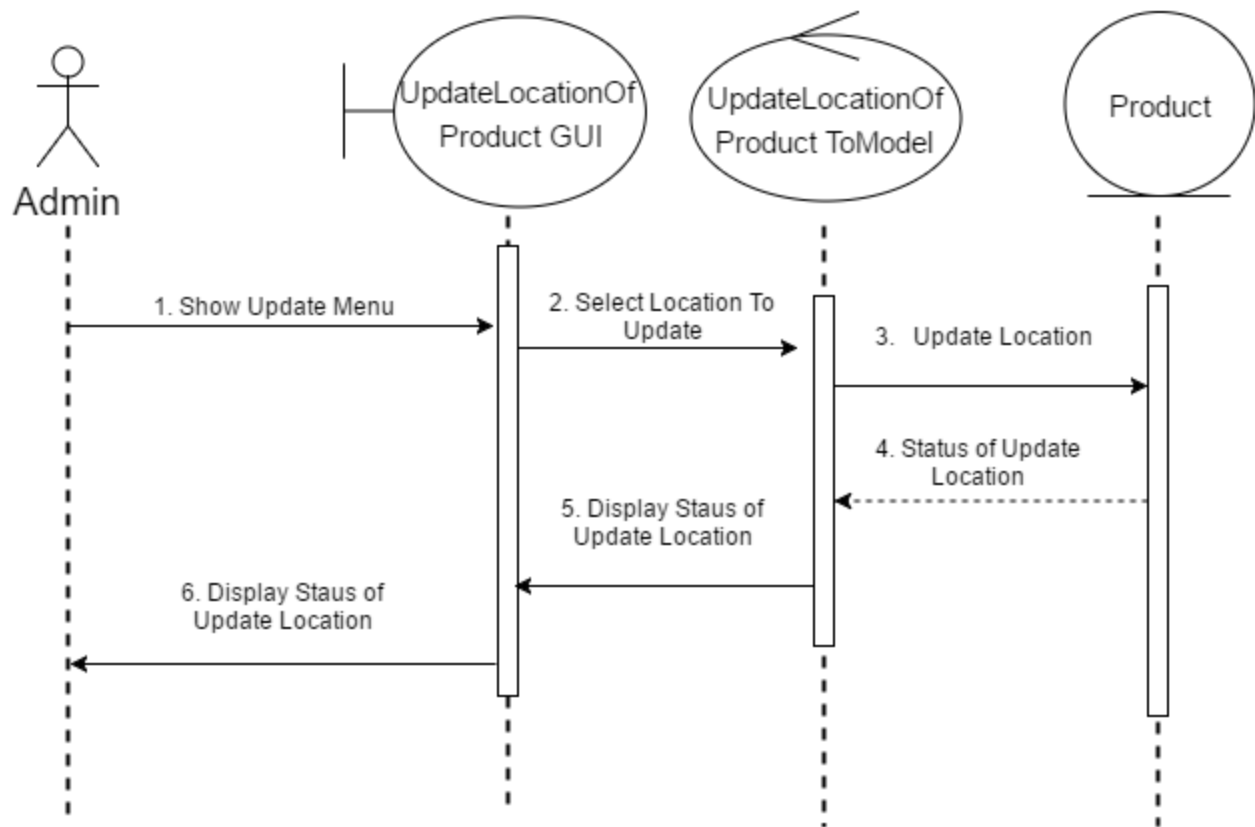## Sequence Diagram Of Setting (Update Unit of Product)

Thummarong Wongsawat 5730213085

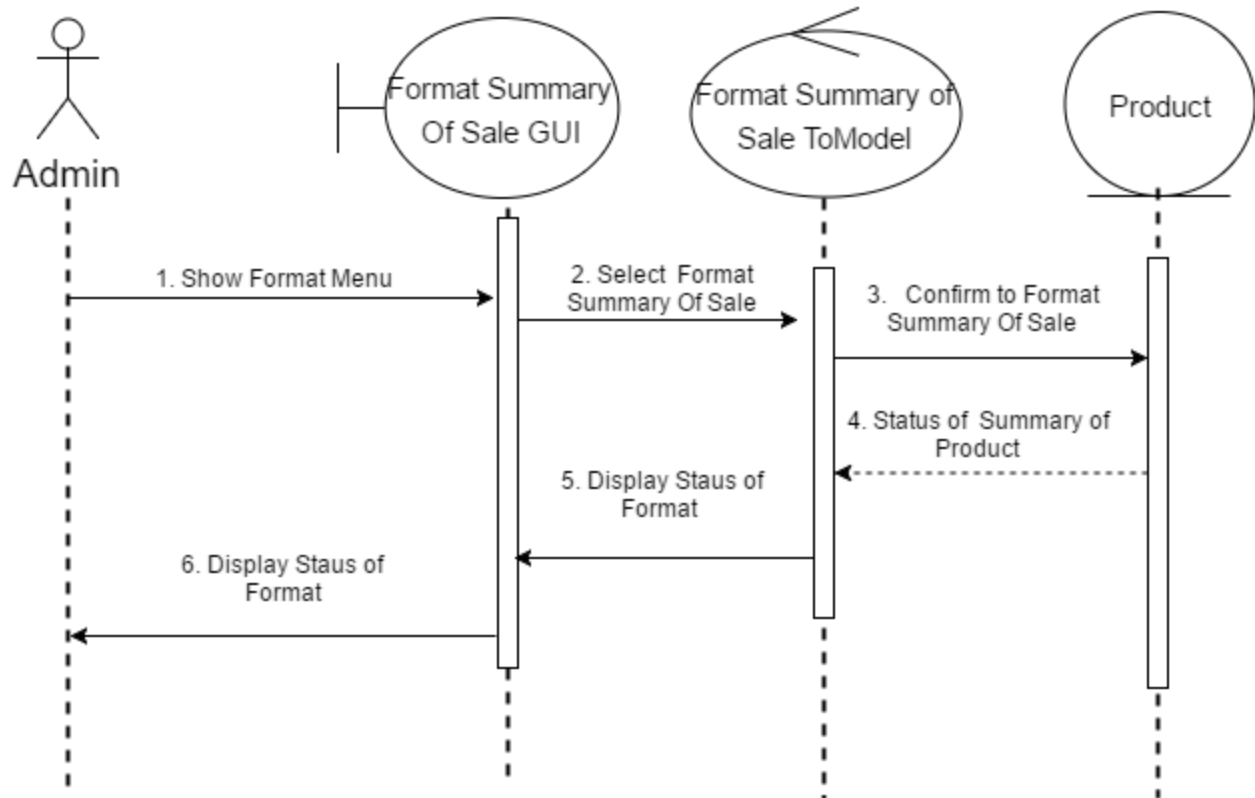## Sequence Diagram Of Setting (Update Category)

Thummarong Wongsawat 5730213085
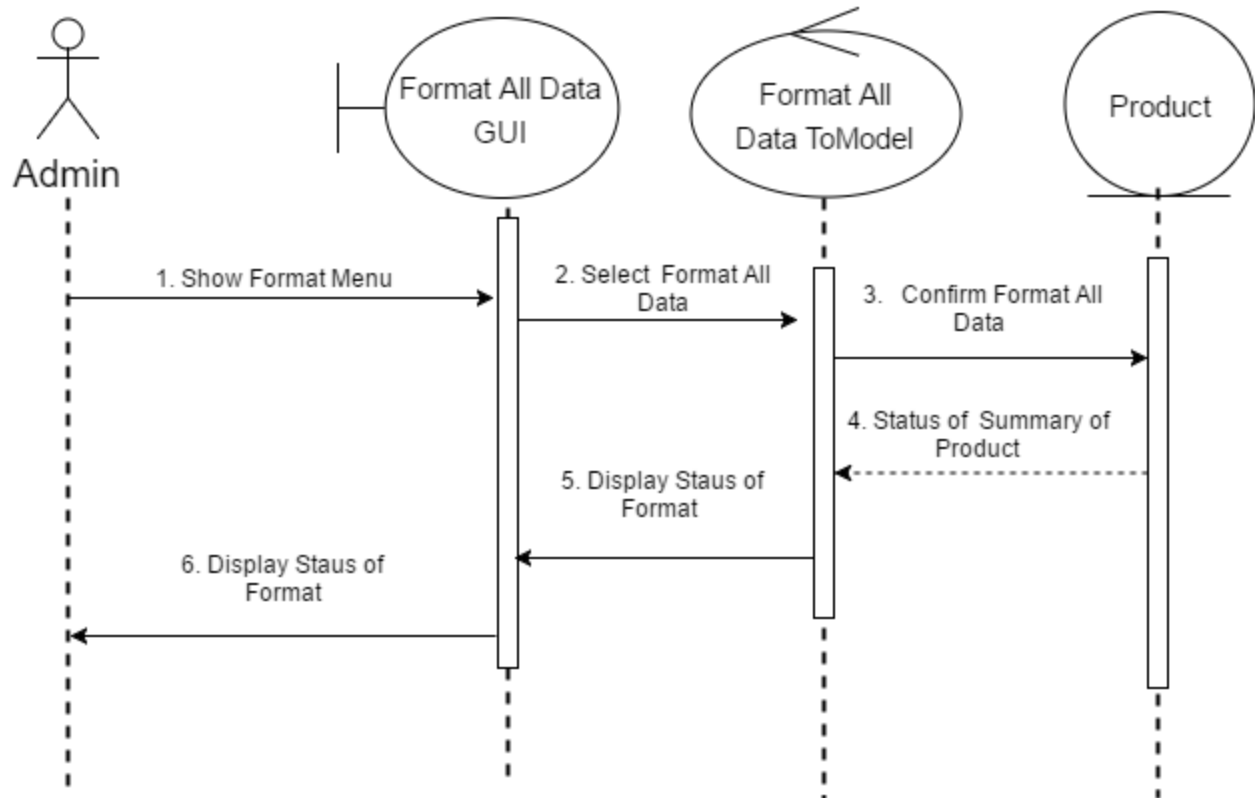
Sequence Diagram Of Setting (Update Location)

Thummarong Wongsawat 5730213085

Sequence Diagram Of Format (Format Summary of Sale)

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Sequence Diagram Of Format (Format all data)

Thummarong Wongsawat 5730213085