# Revision History

**Revision History identify changes to the Design Document.**

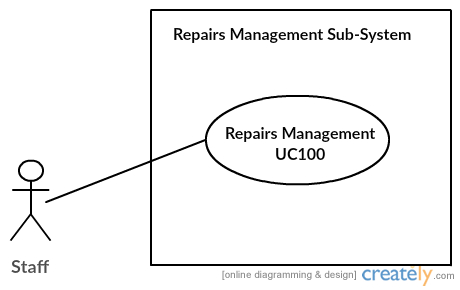
|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Description** | **Version** |
| Mosys repair | **11/11/16** | Repair system for mobile phone | Version 1.0 |
|  |  |  |  |

# Use Case Overview

**Use Case Diagram Level 0: MosysRepair system**

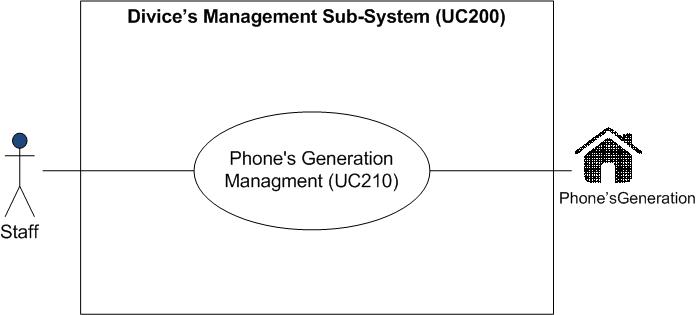


## **Use Case Diagram Level 1: Repairs Management Sub-System (UC100)**



Miss Uraiwan Puekphet 5730213031

**Use Case Diagram Level 1: Divice’s Management Sub-System (UC200)**

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MissPuttinun Duangsamran 5730213038

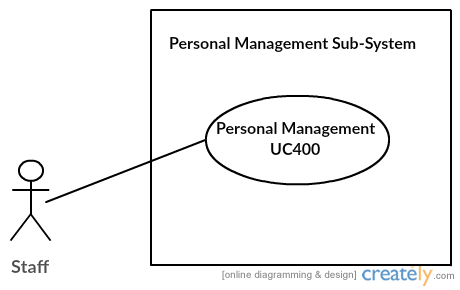
**Use Case Diagram Level 1: Show Information Sub-System (UC300)**

**jasadaporn-usecaselv1**

**Show Information Sub-System (UC300)**

Mr.Jasadaporn Sain-Un 5730213073

**Use Case Diagram Level 1: Personal’s Management Sub-System (UC400)**

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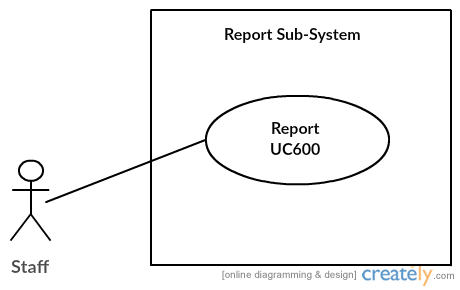
## Mr.Sitta Chumklaew 5730213074

**Use case Diagram LV1: Shop and Bill (UC500)**

**Bill**

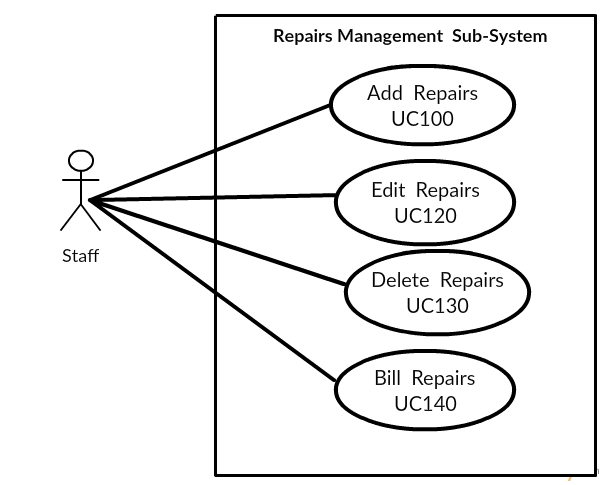
Mr.Tanawat Meechai 5730213080

**Use Case Diagram Level 1: Report Sub-System (UC600)**



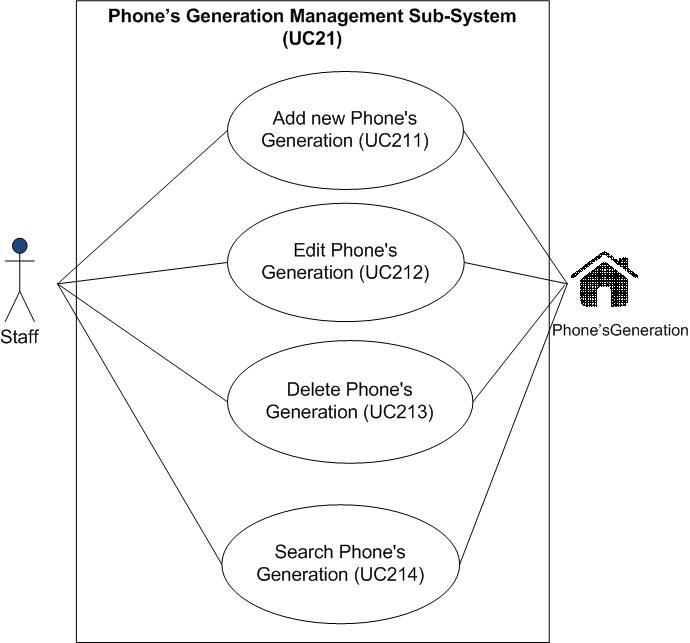
Mr.Pasin Sommung 5730213096

## **Use Case Diagram Level 2: Repairs Management Sub-System (UC100)**



Miss Uraiwan Puekphet 5730213031

**Use Case Diagram Level 2 : Phone’s Generation Management (UC210)**

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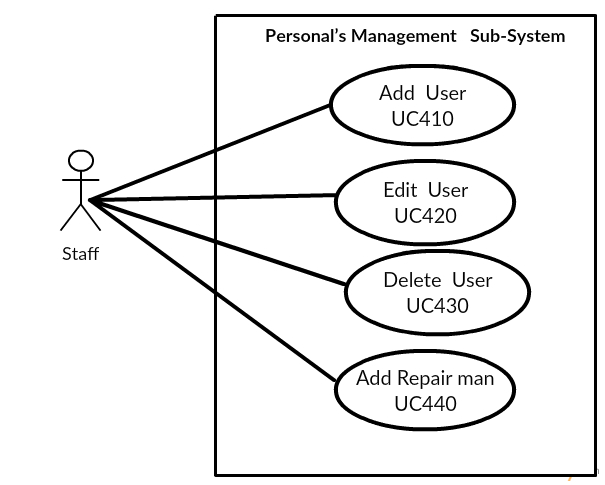
MissPuttinun Duangsamran 5730213038

**Use Case Diagram Level 2 : Show Information (UC300)**

**jasadaporn-usecaselv2**

Mr.Jasadaporn Sain-Un 5730213073

**Use Case Diagram Level 2: Personal’s Management Sub-System (UC400)**

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Mr.Sitta Chumklaew 5730213074

**Use case Diagram LV2 : Bill Management (UC510)**

**ucLv2Bill**

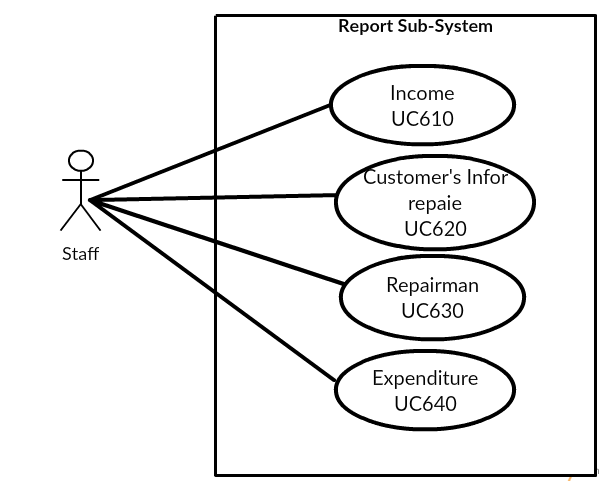
Mr.Tanawat Meechai 5730213080

**Use case LV2 : Shop Management (UC520)**

**ucLv2shop (1)**

Mr.Tanawat Meechai 5730213080

**Use Case Diagram Level 2 : Report Sub-System**

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Mr.Pasin Sommung 5730213096

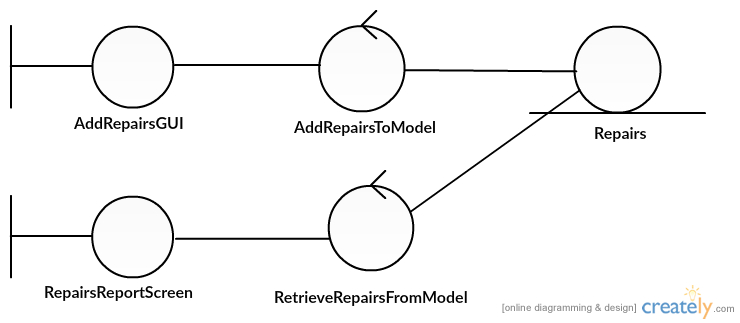
# 3.System Structure



# 4. Static Structure and Data Analysis

**4.1 Model-View-Controller (MVC) Model**

MVC Add Repairs

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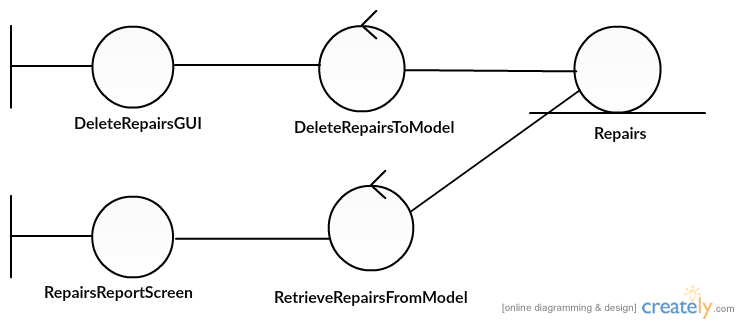
Miss Uraiwan Puekphet 5730213031

MVC Edit Repairs

****

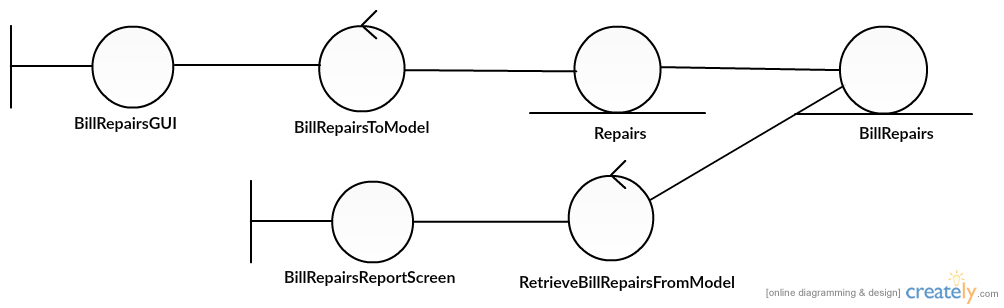
Miss Uraiwan Puekphet 5730213031

MVC Delete Repairs

****

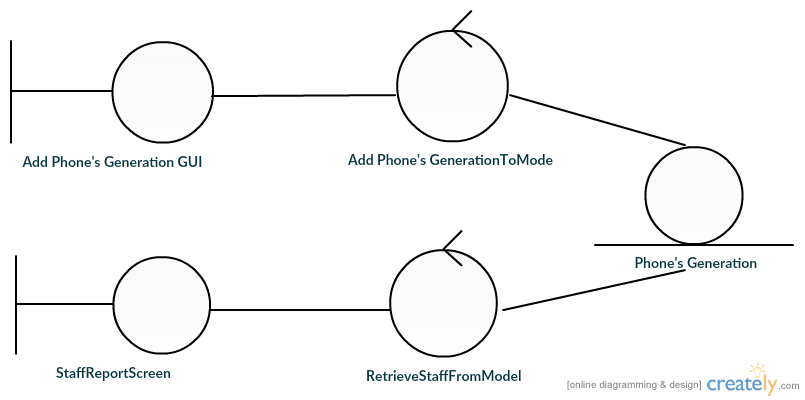
Miss Uraiwan Puekphet 5730213031

MVC Print bill Repairs

****

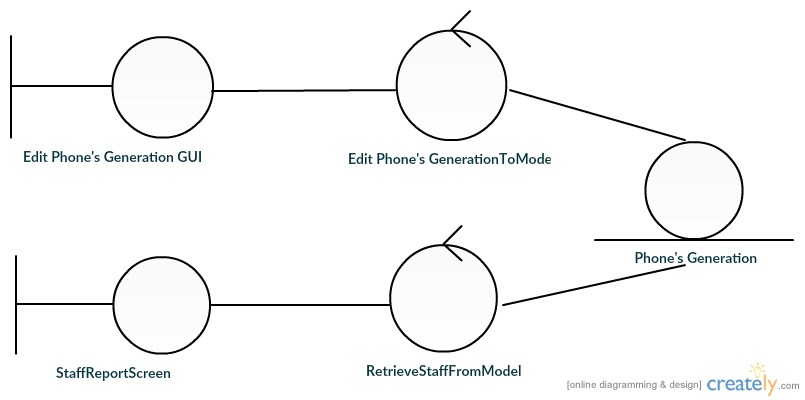
Miss Uraiwan Puekphet 5730213031

MVC Add Phone’s Generation

****

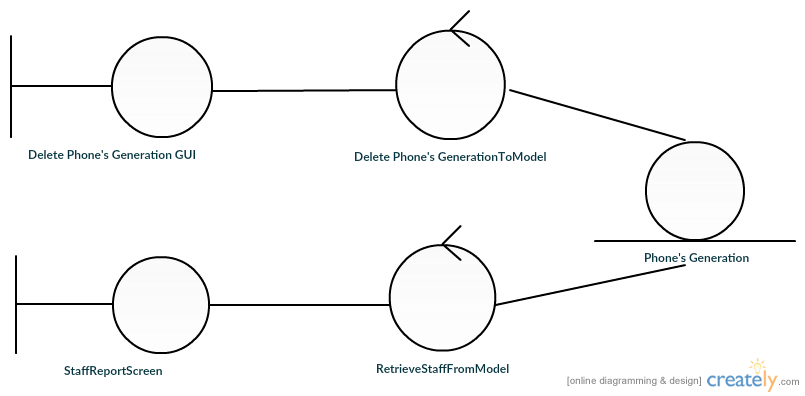
MissPuttinun Duangsamran 5730213038

MVC Edit Phone’s Generation

****

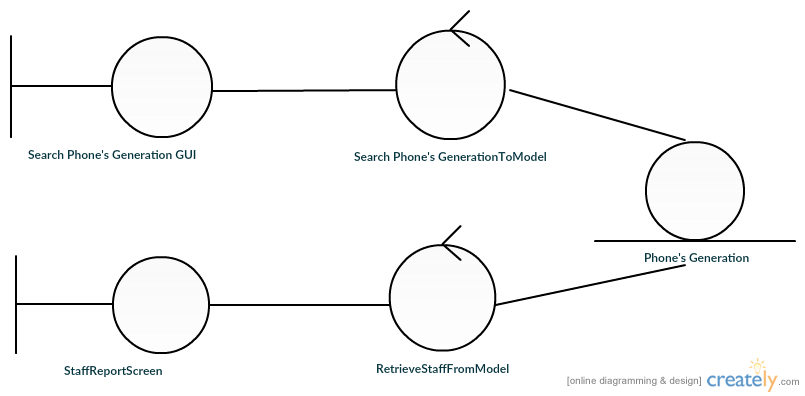
MissPuttinun Duangsamran 5730213038

MVC Delete Phone’s Generation

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MissPuttinun Duangsamran 5730213038

MVC Search Phone’s Generation

****

MissPuttinun Duangsamran 5730213038

**MVC** Show customer take back

**1**

Mr.Jasadaporn Sain-Un 5730213073

MVCShow turn to customer

**2**

Mr.Jasadaporn Sain-Un 5730213073

MVC Show wait for repair

**3**

Mr.Jasadaporn Sain-Un 5730213073

**MVC** Show repair is done

4

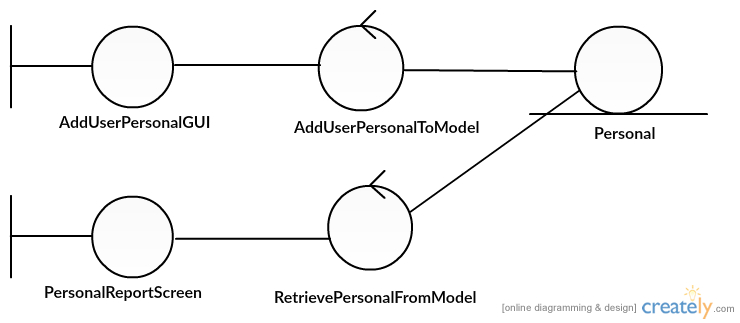
Mr.Jasadaporn Sain-Un 5730213073

MVC Show take to repair center

**C:\Users\DELL\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Mvc take to repair.png**

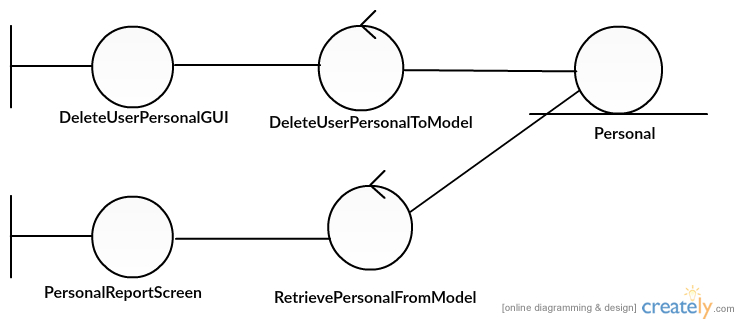
Mr.Jasadaporn Sain-Un 5730213073

MVC Add User

****

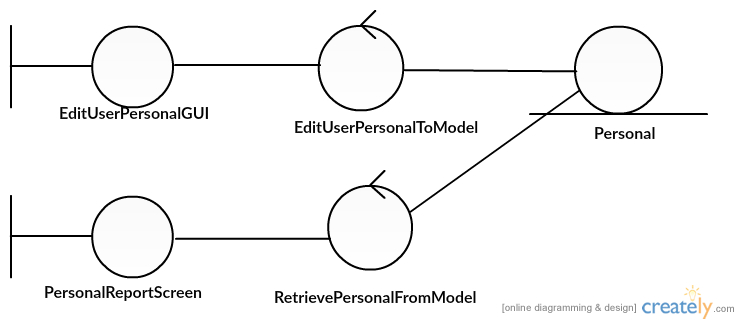
Mr.Sitta Chumklaew 5730213074

MVC Edit User

****

Mr.Sitta Chumklaew 5730213074

MVC Delete User



Mr.Sitta Chumklaew 5730213074

MVC Add Repairman

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Mr.Sitta Chumklaew 5730213074

**Bill Management**



Mr.Tanawat Meechai 5730213080



Mr.Tanawat Meechai 5730213080



Mr.Tanawat Meechai 5730213080

**Shop Management**

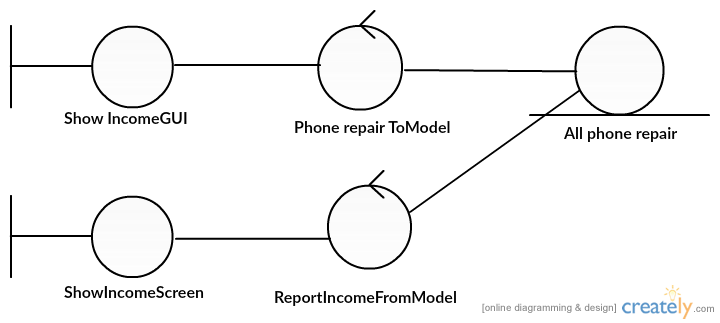


Mr.Tanawat Meechai 5730213080



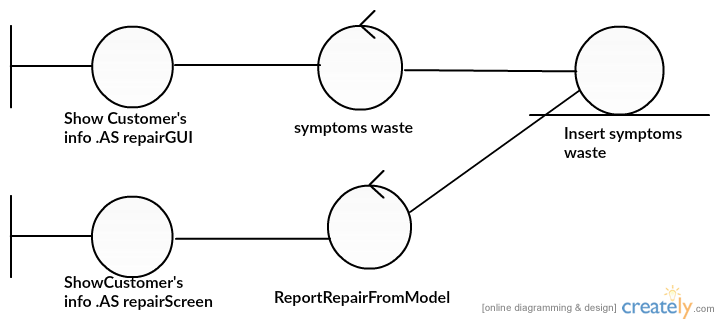
Mr.Tanawat Meechai 5730213080

MVC Income

****

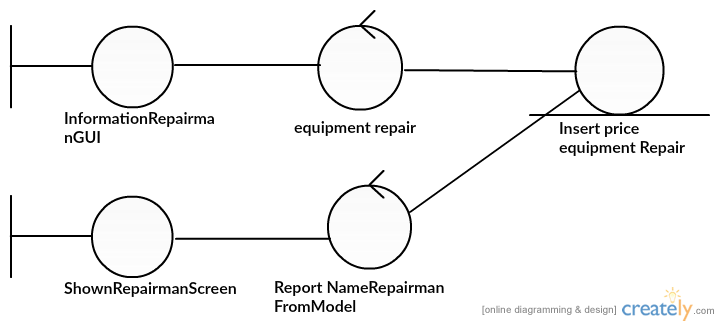
Mr.Pasin Sommung 5730213096

MVC Customer’s info. As Repair

****

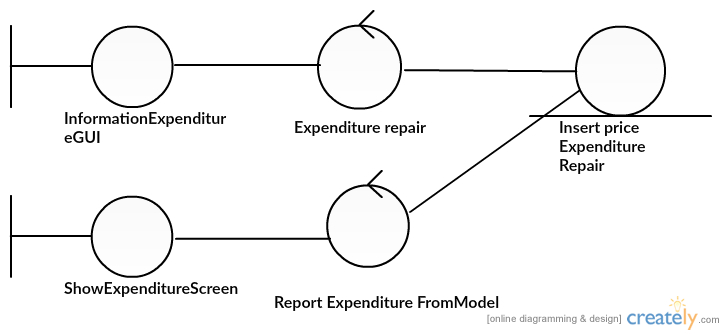
Mr.Pasin Sommung 5730213096

MVC Repairman

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Mr.Pasin Sommung 5730213096

MVC Expenditure

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Mr.Pasin Sommung 5730213096

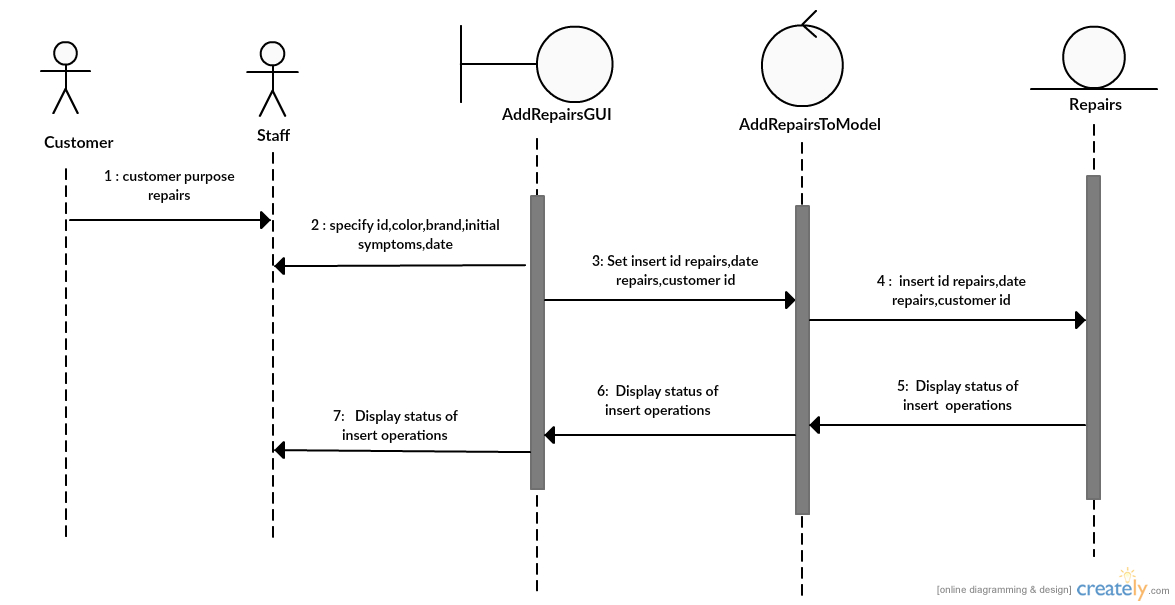
**4.2Class Diagram**

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**5.System Behaviour Model**

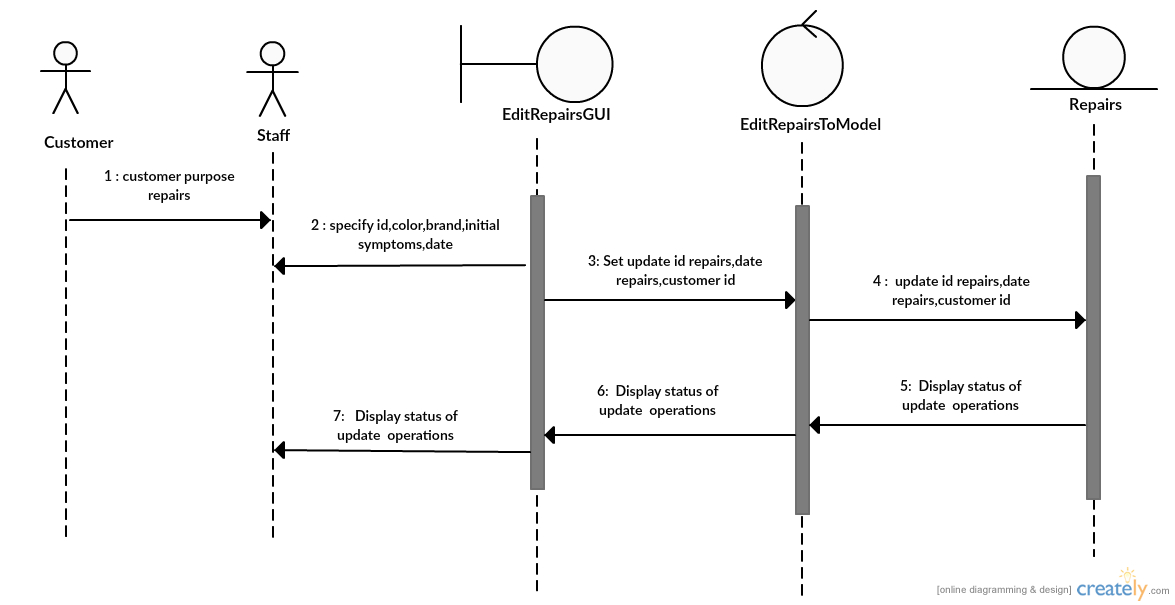
**Sequence Diagram demonstrating operation “add, update, delete, bill repairs”**

* This diagram describes the system scenario of “UC110: Add Repairs”

****

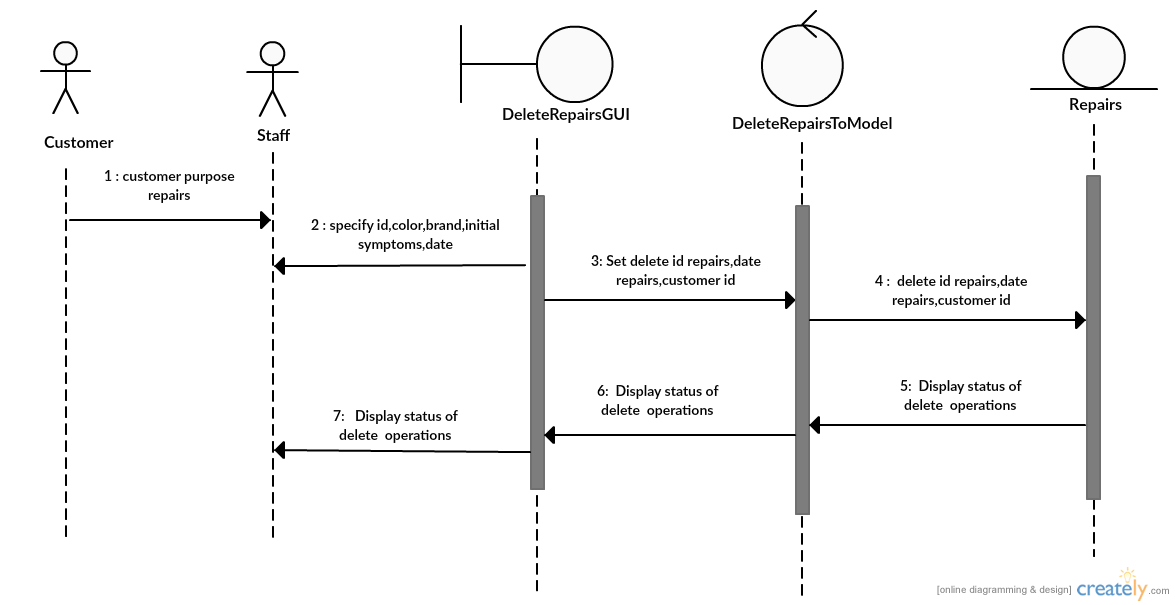
Miss Uraiwan Puekphet 5730213031

* This diagram describes the system scenario of “UC120: Edit Repairs”



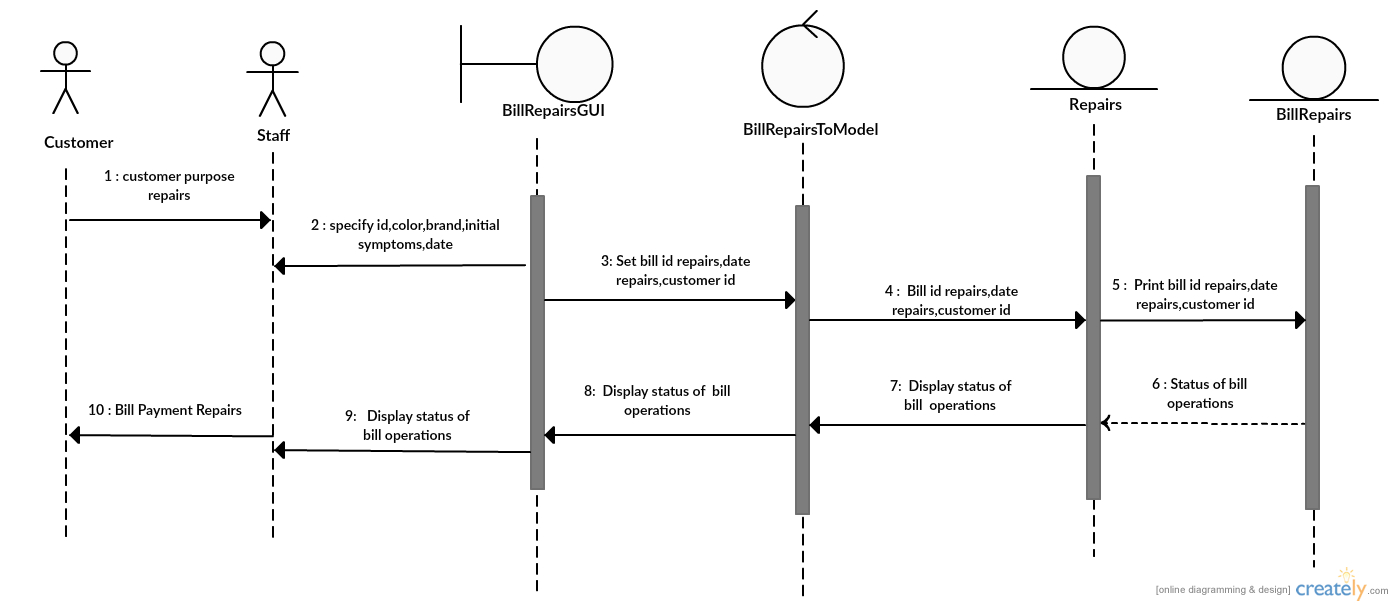
Miss Uraiwan Puekphet 5730213031

* This diagram describes the system scenario of “UC130:Delete Repairs”

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Miss Uraiwan Puekphet 5730213031

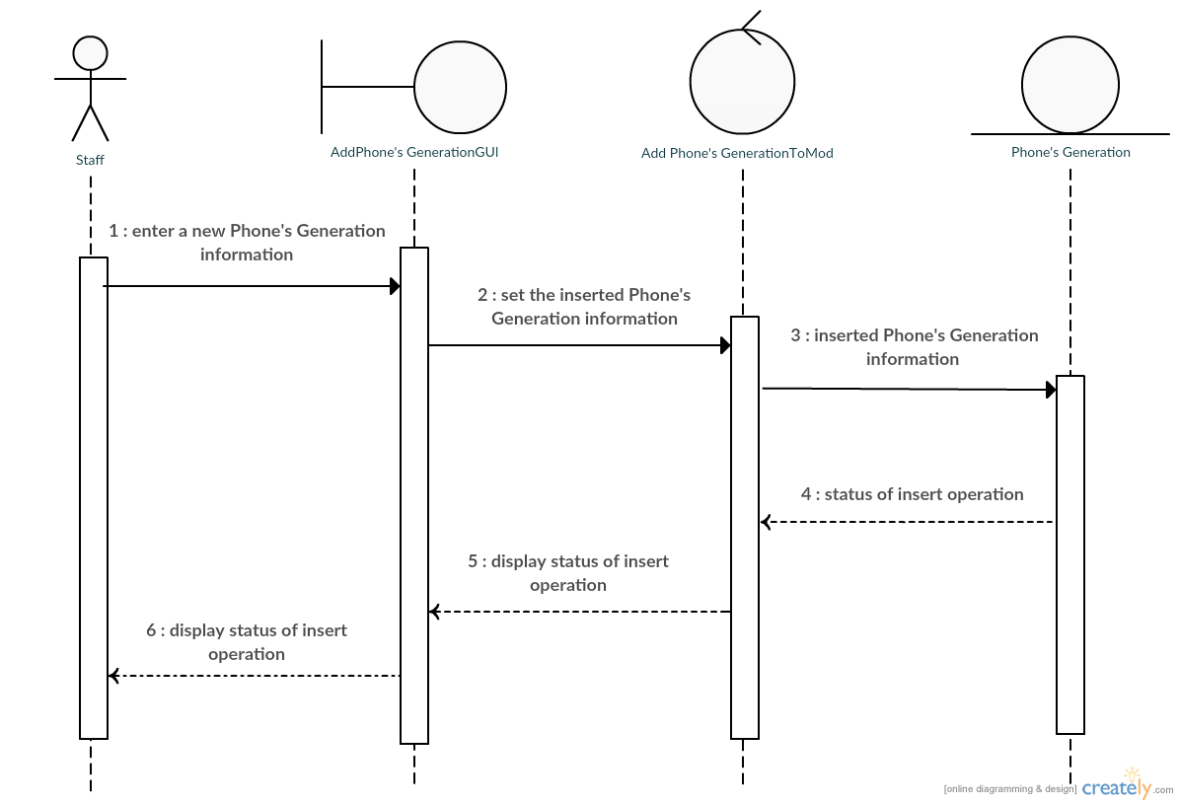
* This diagram describes the system scenario of “UC140:Bill Repairs”

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**Sequence Diagram demonstrating operation “add new Phone’s Generation”**

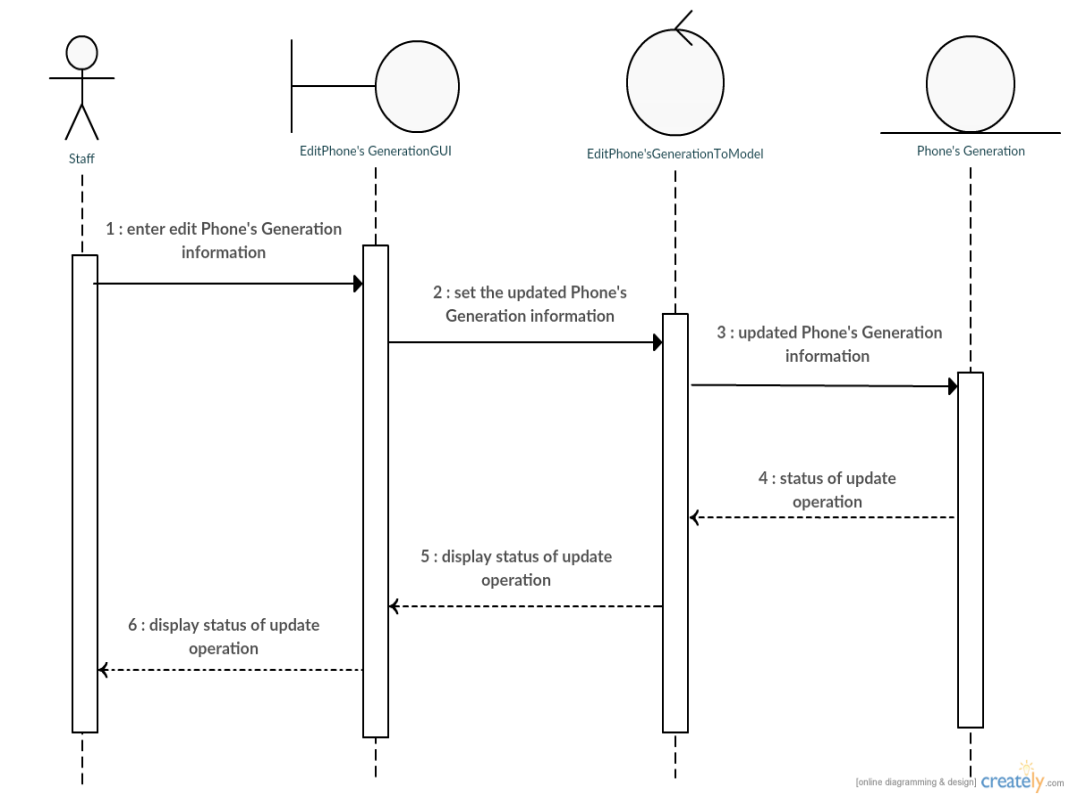
* This diagram describes the system scenario of **“UC211: Add new Phone’s Generation”**

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MissPuttinun Duangsamran 5730213038

**Sequence Diagram demonstrating operation “update Phone’s Generation”**

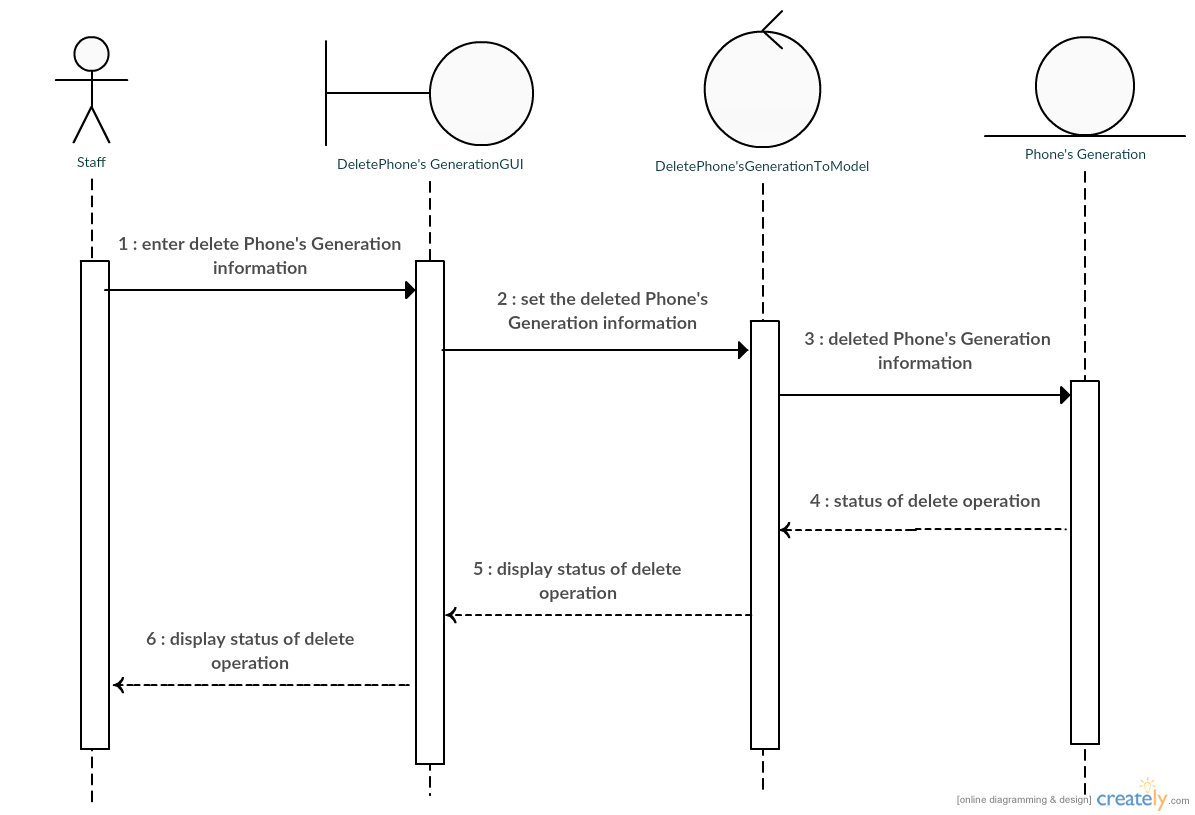
* This diagram describes the system scenario of **“UC212: Edit Phone’s Generation”**

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**Sequence Diagram demonstrating operation “delete Phone’s Generation”**

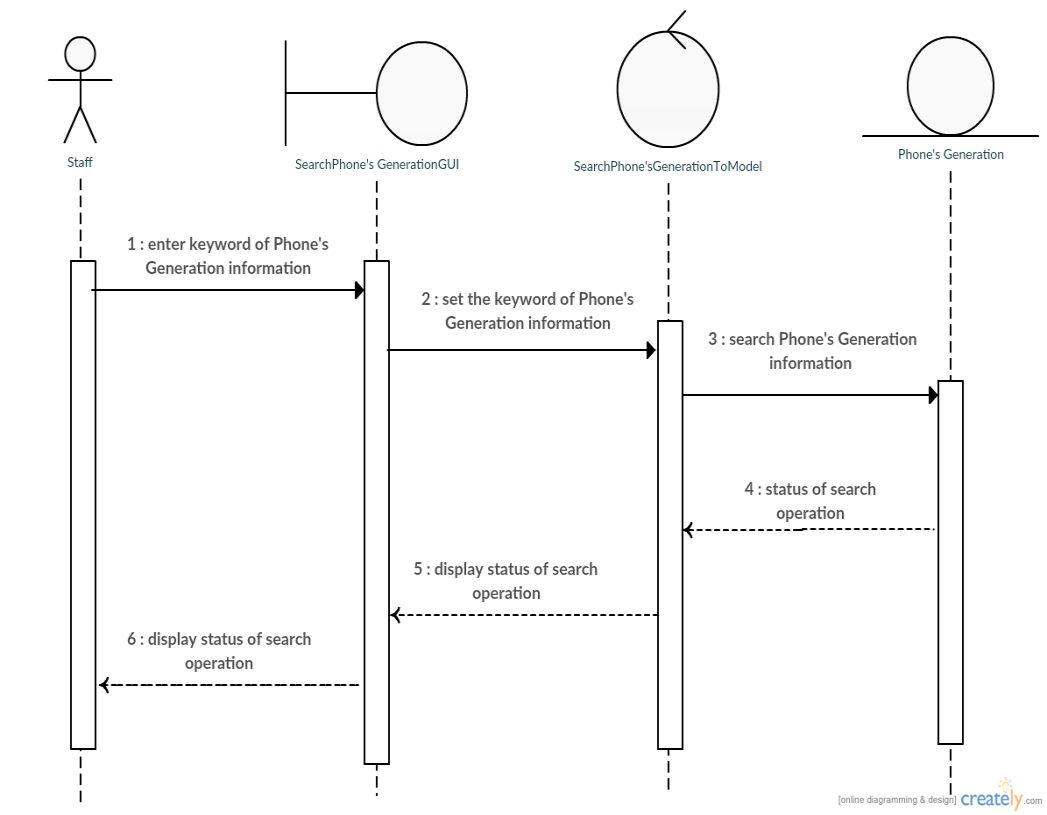
* This diagram describes the system scenario of **“UC213: Delete Phone’s Generation”**

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**Sequence Diagram demonstrating operation “search Phone’s Generation”**

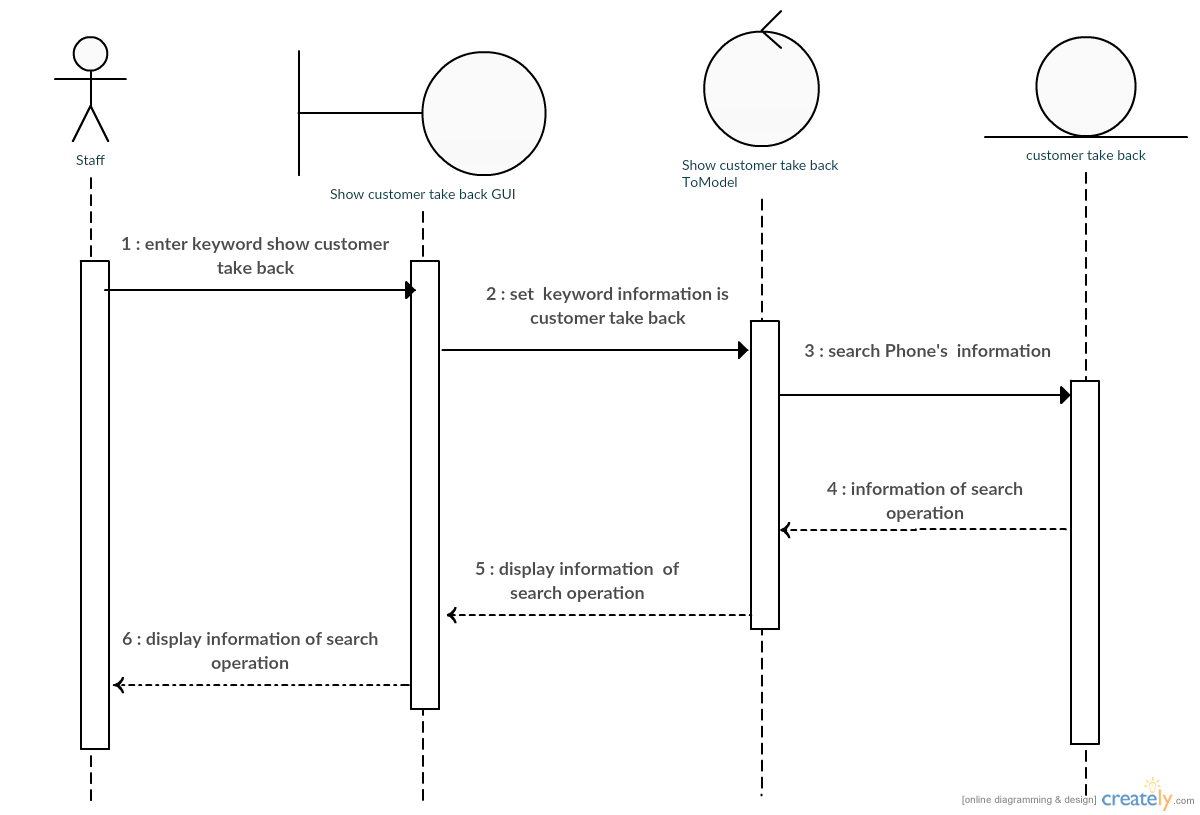
* This diagram describes the system scenario of **“UC214: Search Phone’s Generation”**

****

MissPuttinun Duangsamran 5730213038

**Sequence Diagram demonstrating operation “show customer take back”**

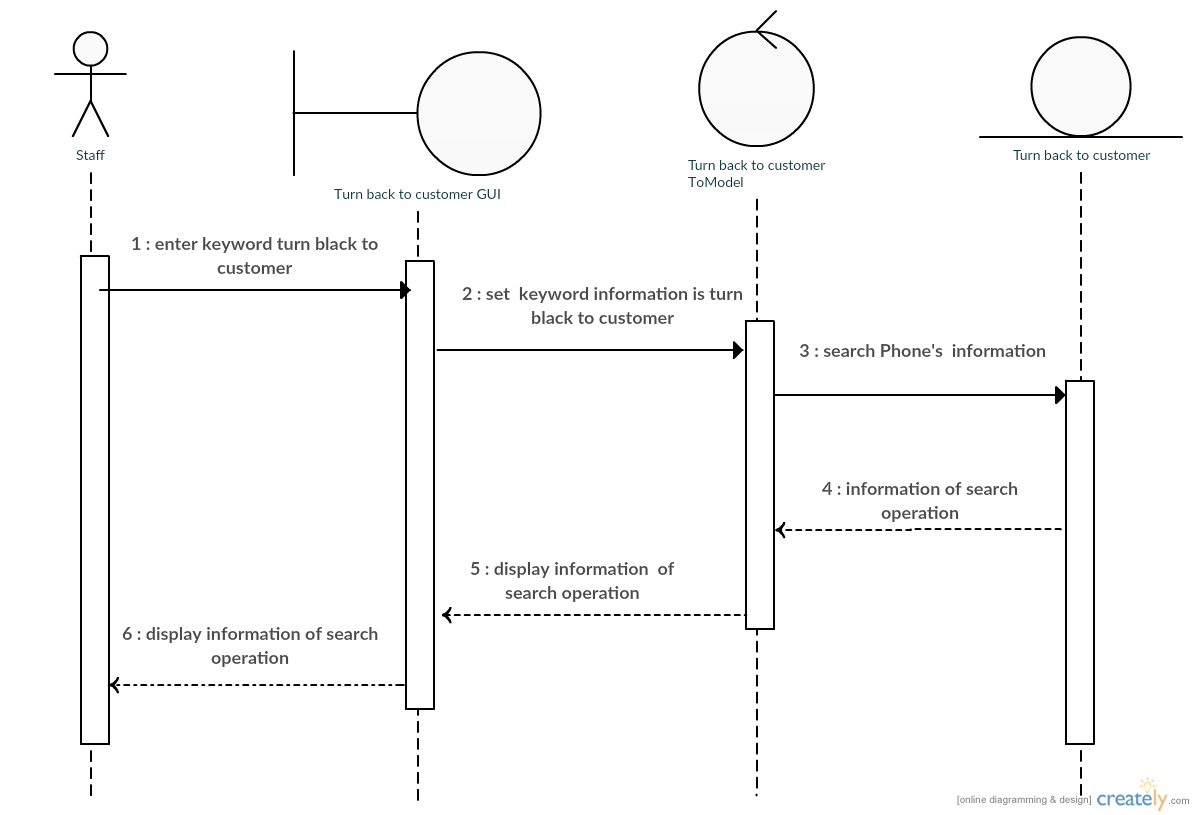
* This diagram describes the system scenario of **“UC310: show customer take back”**

****

Mr.Jasadaporn Sain-Un 5730213073

**Sequence Diagram demonstrating operation “turn back to customer”**

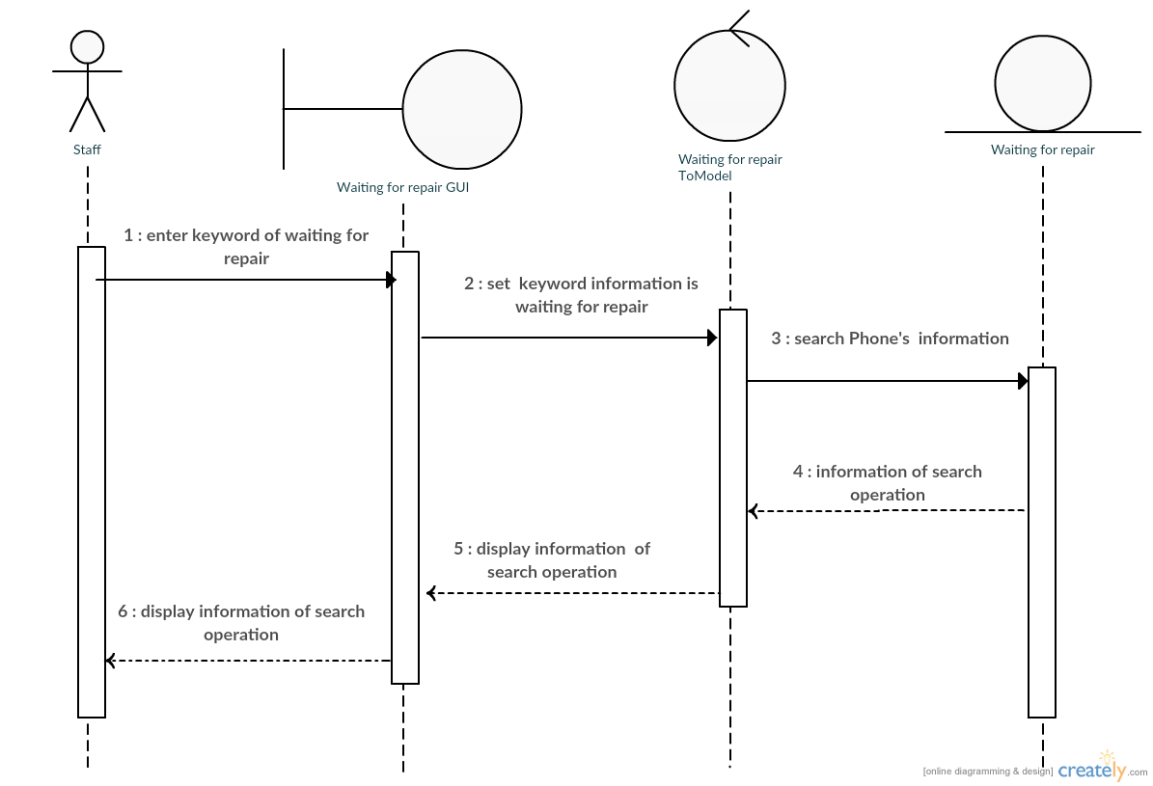
* This diagram describes the system scenario of **“UC320: turn back to customer”**

****

Mr.Jasadaporn Sain-Un 5730213073

**Sequence Diagram demonstrating operation “waiting for repair”**

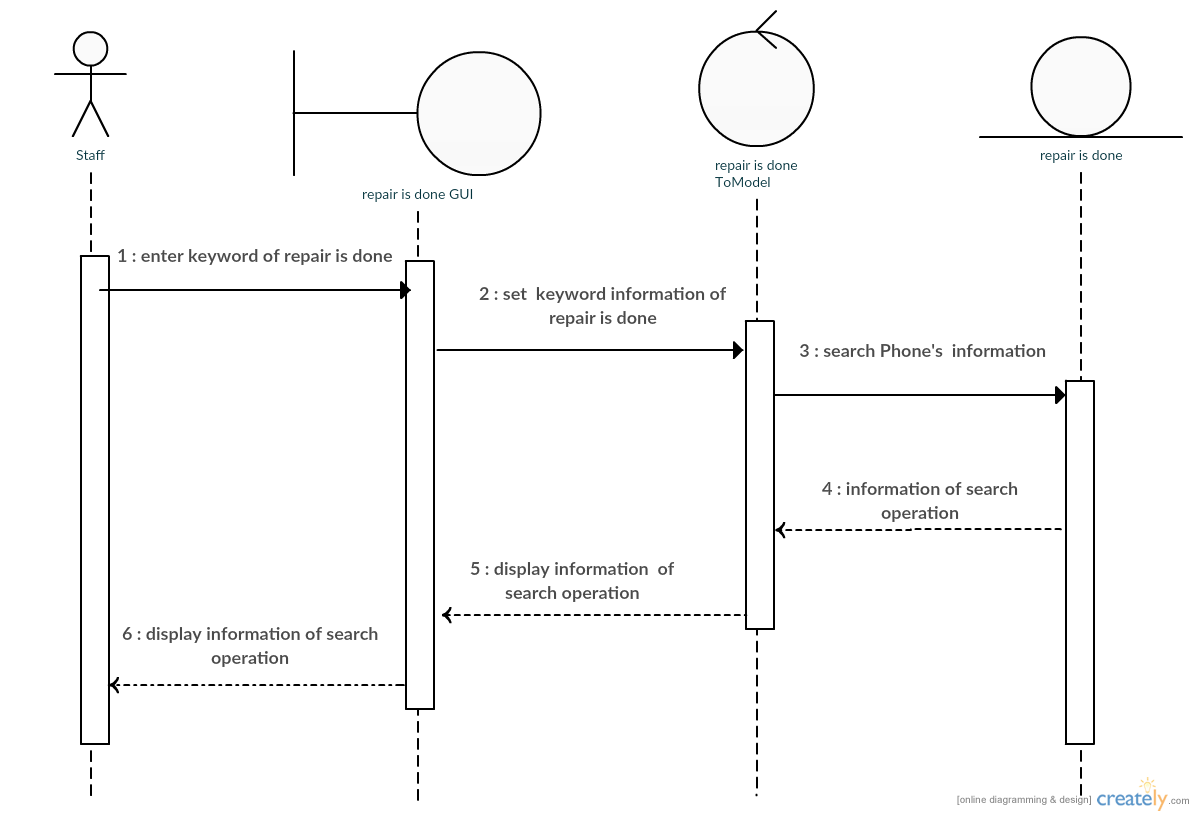
* This diagram describes the system scenario of **“UC330: waiting for repair”**



Mr.Jasadaporn Sain-Un 5730213073

**Sequence Diagram demonstrating operation “repair is done”**

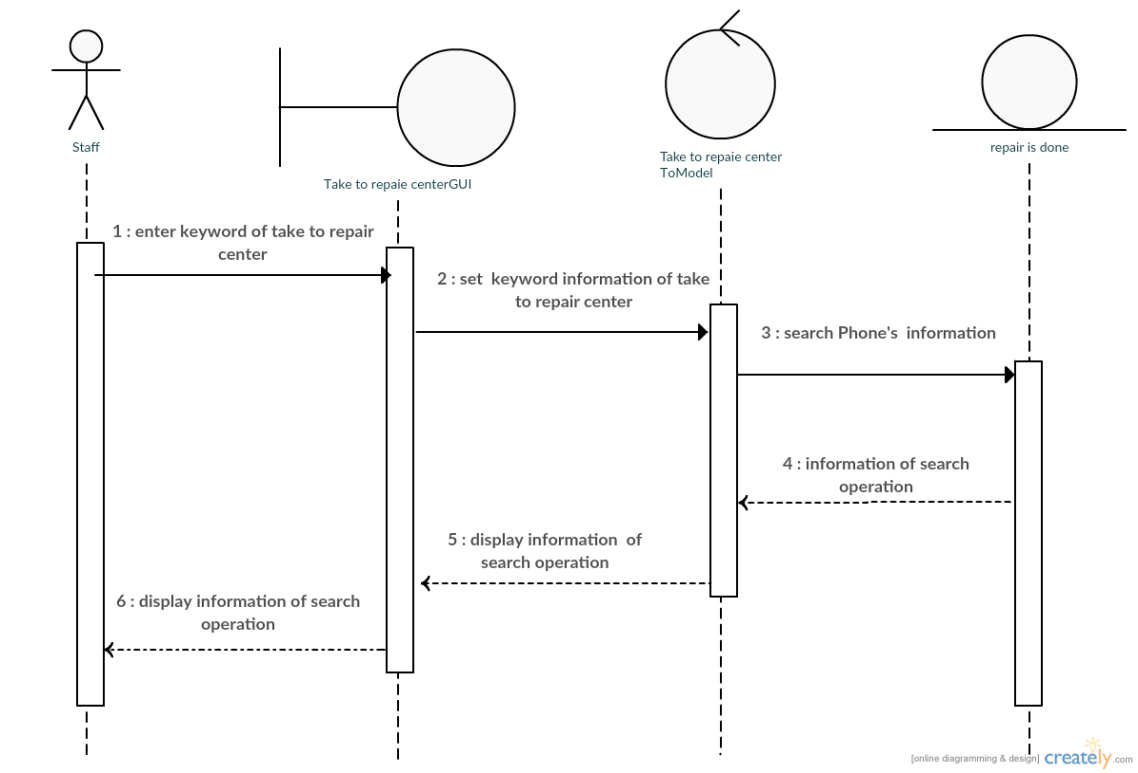
* This diagram describes the system scenario of **“UC340: repair is done”**



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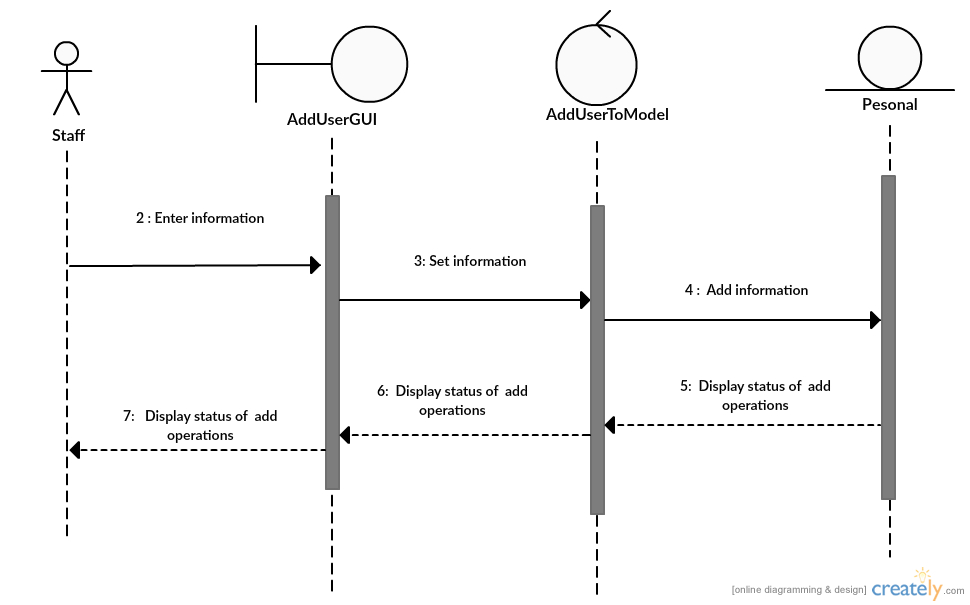
**Sequence Diagram demonstrating operation “Take to repair canter”**

* This diagram describes the system scenario of **“UC350: Take to repair canter”**

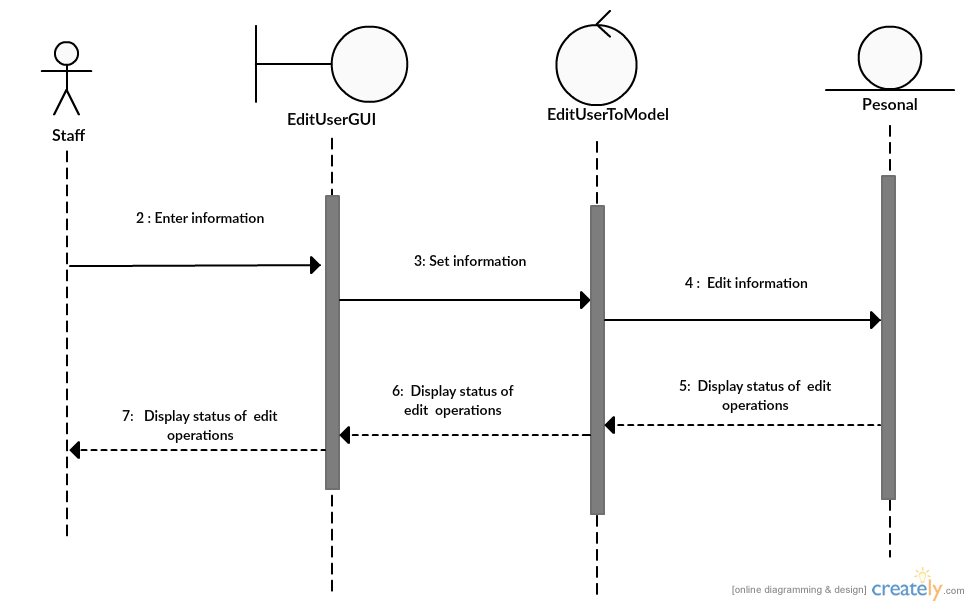


Mr.Jasadaporn Sain-Un 5730213073

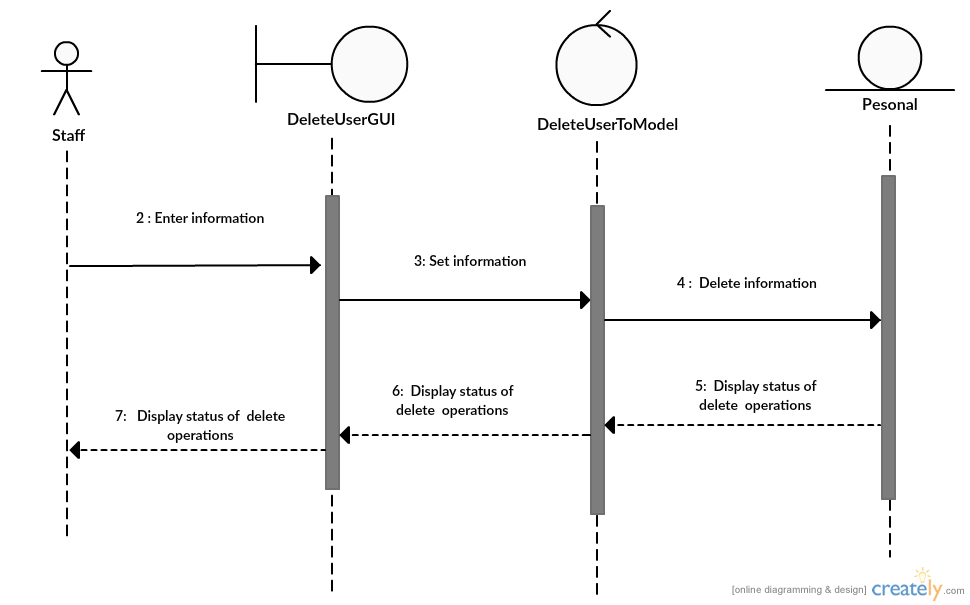
**Sequence Diagram demonstrating operation “Add User, Edit User, Delete User,Add repairman”**

* ****This diagram describes the system scenario of “UC410: Add User”

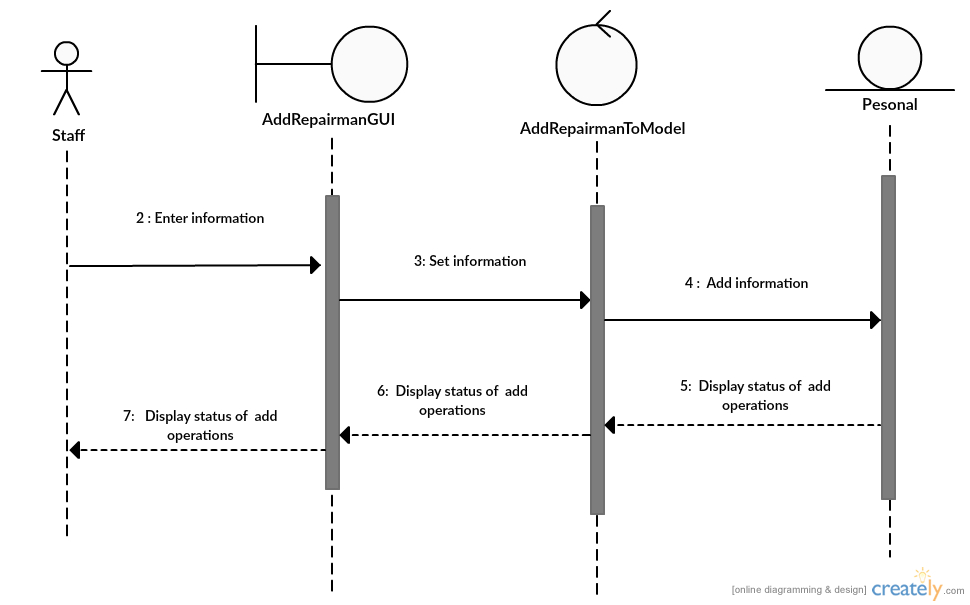
Mr.Sitta Chumklaew 5730213074

* This diagram describes the system scenario of “UC420: Edit User”

Mr.Sitta Chumklaew 5730213074

* ****This diagram describes the system scenario of “UC430:Delete User”

Mr.Sitta Chumklaew 5730213074

* ****This diagram describes the system scenario of “UC440:Bill Repairs”

Mr.Sitta Chumklaew 5730213074

**Sequence Diagram demonstrating operation “add Bill”**

* This diagram describes the system scenario of **“UC511: Add Bill”**

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Mr.Tanawat Meechai 5730213080

**Sequence Diagram demonstrating operation “Update Bill”**

* This diagram describes the system scenario of **“UC512: Update Bill”**

****

Mr.Tanawat Meechai 5730213080

**Sequence Diagram demonstrating operation “Search Bill”**

* This diagram describes the system scenario of **“UC513: Search Bill”**

****

Mr.Tanawat Meechai 5730213080

**Sequence Diagram demonstrating operation “Add About Shop”**

* This diagram describes the system scenario of **“UC521: Add About Shop”**

****

Mr.Tanawat Meechai 5730213080

**Sequence Diagram demonstrating operation “Update About Shop”**

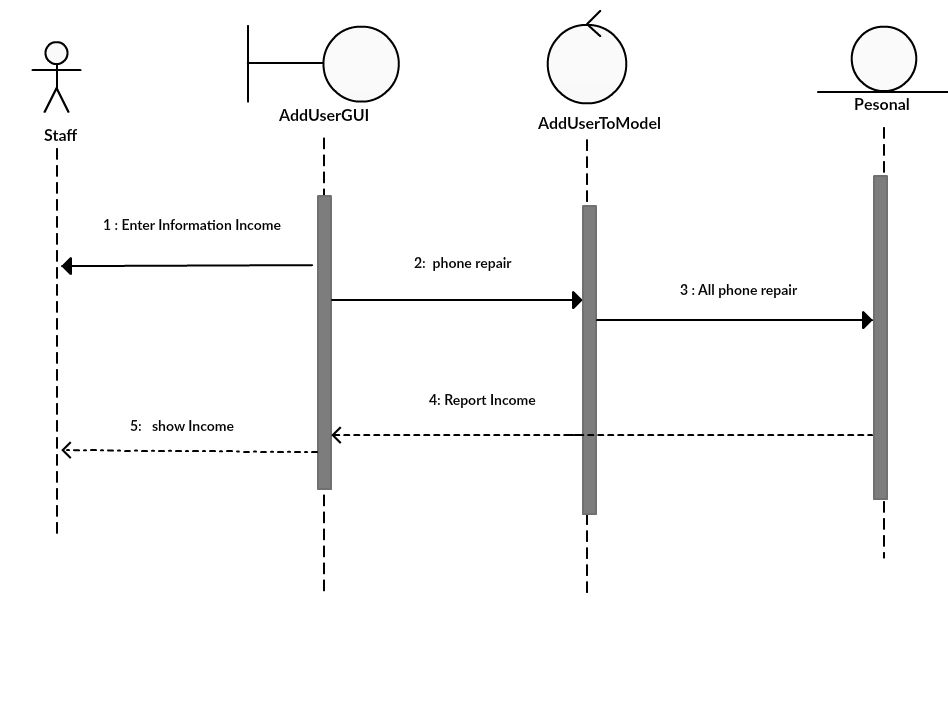
* This diagram describes the system scenario of **“UC522: Update About Shop”**

****

Mr.Tanawat Meechai 5730213080

**Sequence Diagram demonstrating operation “In come”**

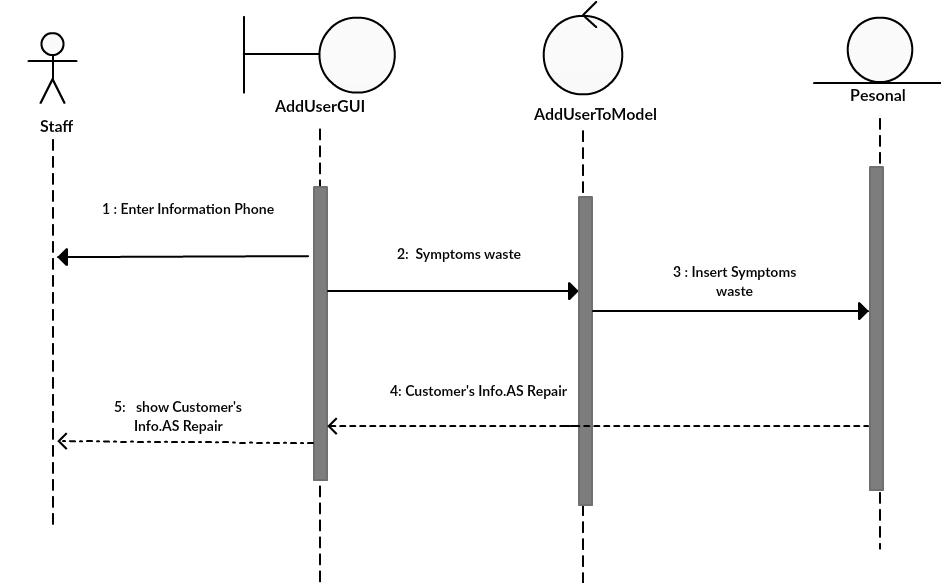
* This diagram describes the system scenario of **“UC611: Income”**

****

Mr.Pasin Sommung 5730213096

**Sequence Diagram demonstrating operation “Customer’s Info. As Repair”**

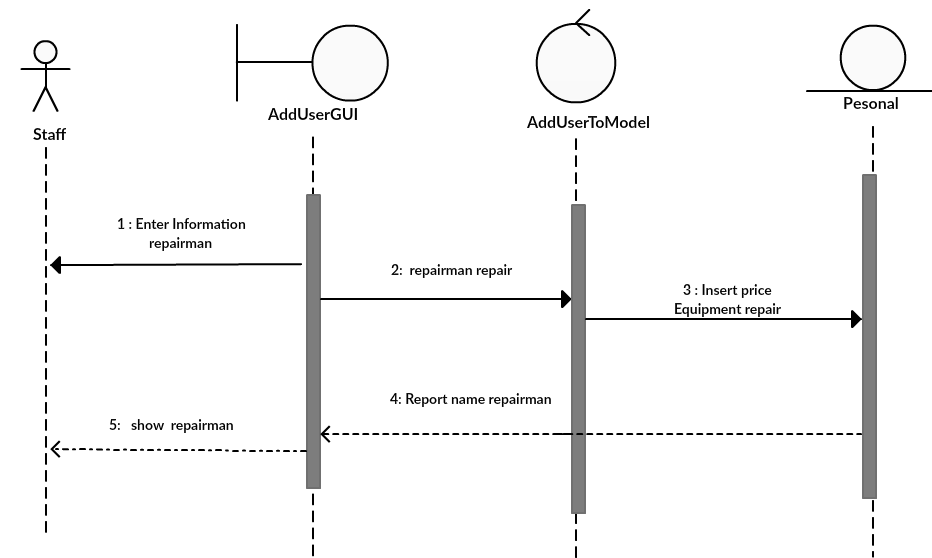
* This diagram describes the system scenario of **“UC612:Customer’s Info. As Repair ”**

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Mr.Pasin Sommung 5730213096

**Sequence Diagram demonstrating operation “Repairman”**

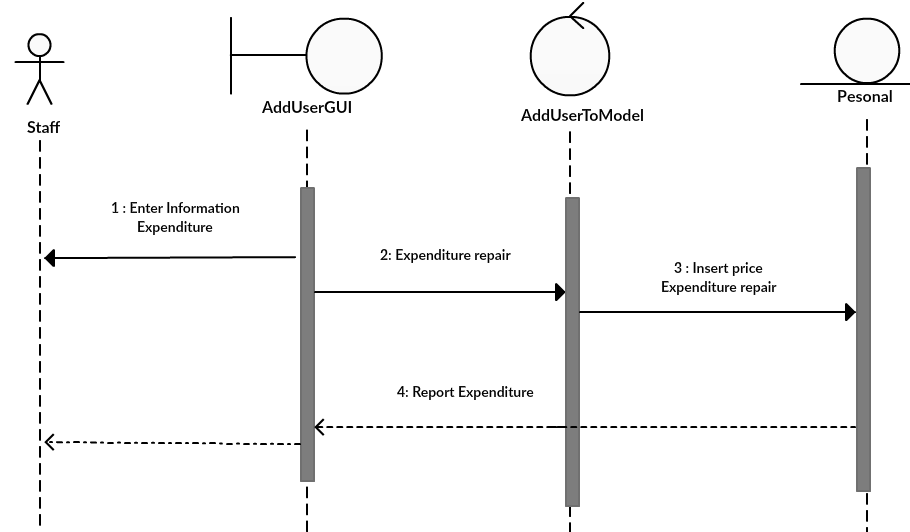
* This diagram describes the system scenario of **“UC613: Repairman”**

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Mr.Pasin Sommung 5730213096

**Sequence Diagram demonstrating operation “expenditure”**

* This diagram describes the system scenario of **“UC614: expenditure”**

****

Mr.Pasin Sommung 5730213096