<SoLove Co.,Ltd.>

**<Work BreakdownStructure>**

**<Student Association Management Sytem>**

Version 1.0

Prepare by

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21/10/2016

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# Revision History

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

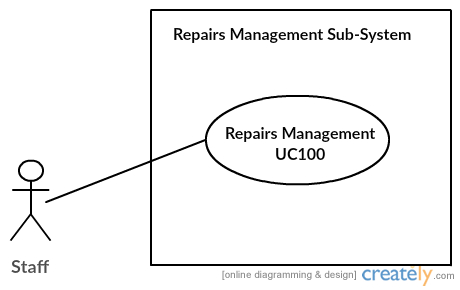
|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Description** | **Version** |
| Mosys repair | **11/11/16** | Repair system for mobile phone | Version 1.0 |
|  |  |  |  |

# Use Case Overview

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



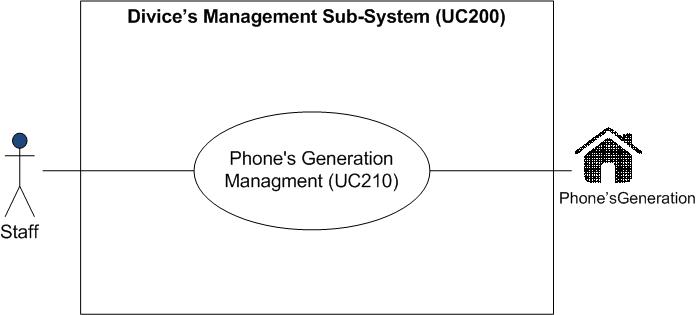
## **Use Case Diagram Level 1: Repairs Management Sub-System (UC100)**



UC 110

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)**

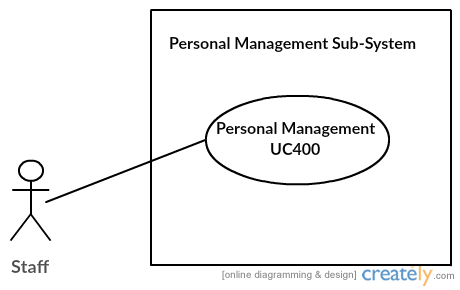
**jasadaporn-usecaselv1**

UC 310

**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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UC410

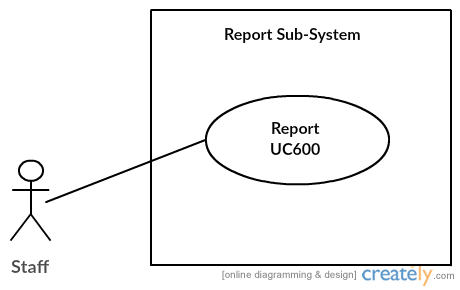
## Mr.Sitta Chumklaew 5730213074

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

**Bill**

Mr.Tanawat Meechai 5730213080

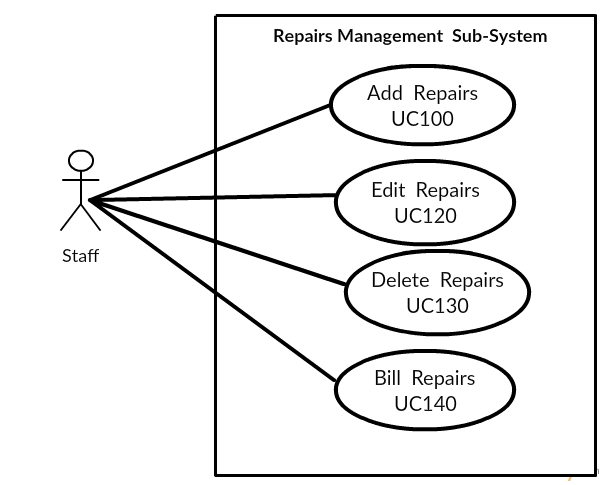
**Use Case Diagram Level 1: Report Sub-System (UC600)**



UC 610

Mr.Pasin Sommung 5730213096

## **Use Case Diagram Level 2: Repairs Management Sub-System (UC110)**



UC 114

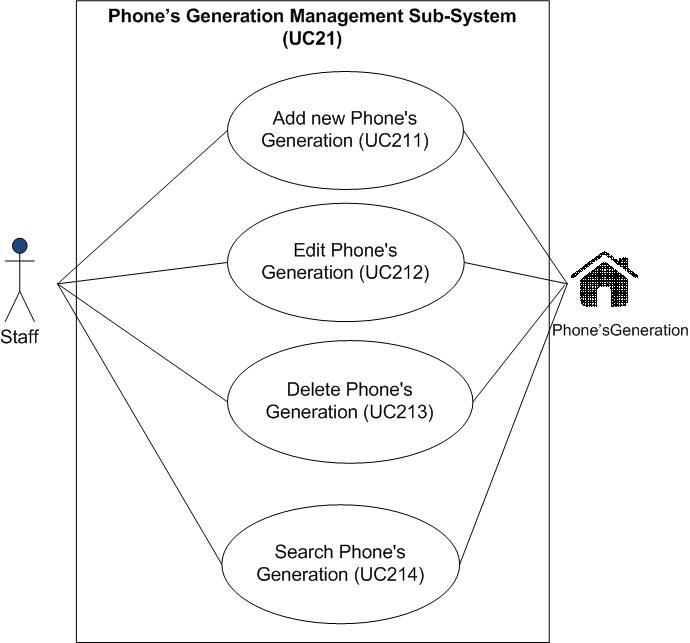
UC 113

UC 112

UC 111

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 (UC310)**

**jasadaporn-usecaselv2**

UC315

UC314

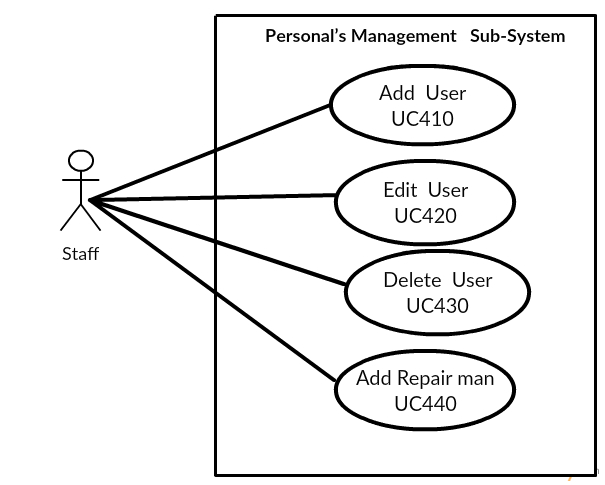
UC313

UC312

UC311

Mr.Jasadaporn Sain-Un 5730213073

**Use Case Diagram Level 2: Personal’s Management Sub-System (UC410)**

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UC414

UC413

UC412

UC411

Mr.Sitta Chumklaew 5730213074

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

**ucLv2Bill**

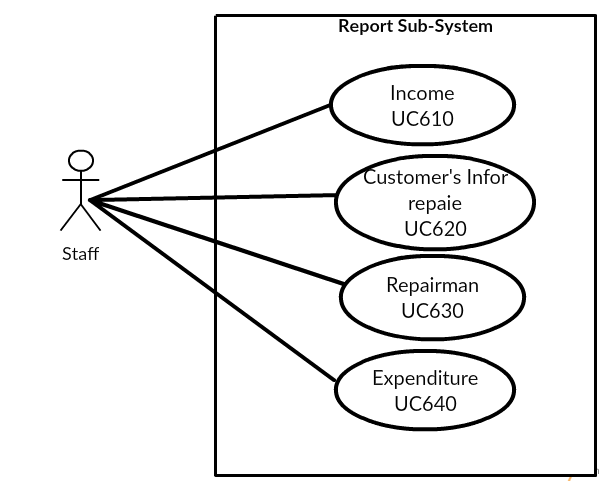
Mr.Tanawat Meechai 5730213080

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

**ucLv2shop (1)**

Mr.Tanawat Meechai 5730213080

**Use Case Diagram Level 2 : Report Sub-System (UC610)**

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UC614

UC613

UC612

UC611

Mr.Pasin Sommung 5730213096

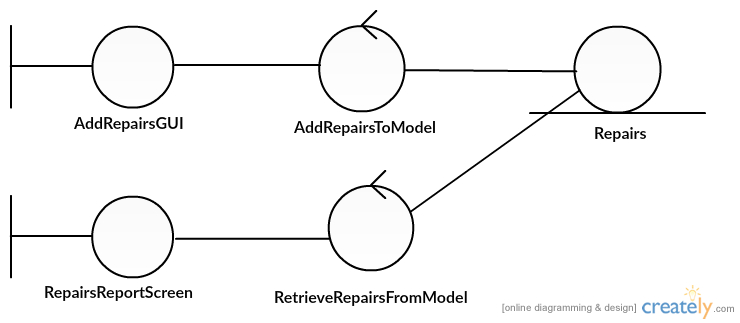
# 3.System Structure



# 4. Static Structure and Data Analysis

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

**MVC Add Repairs**

****

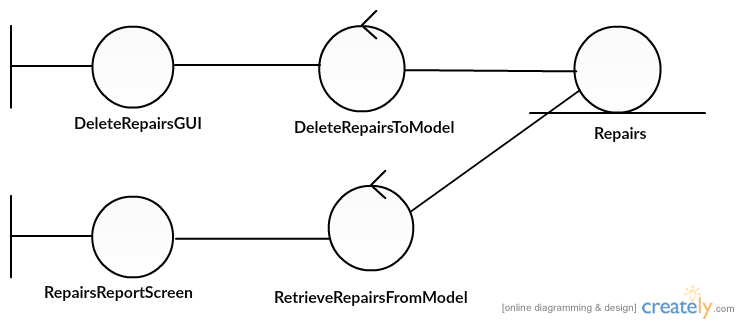
Miss Uraiwan Puekphet 5730213031

**MVC Edit Repairs**

****

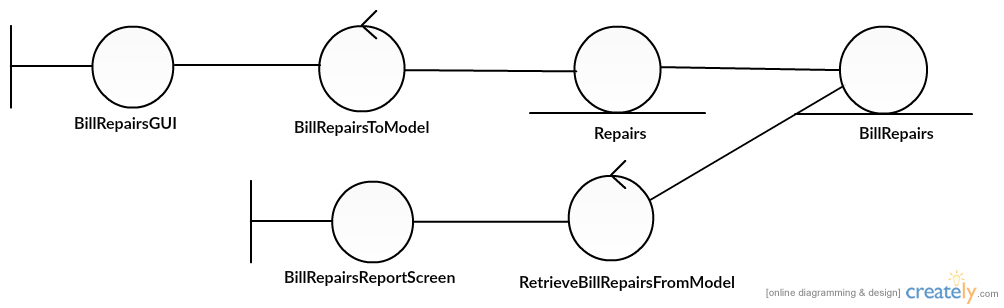
Miss Uraiwan Puekphet 5730213031

**MVC Delete Repairs**

****

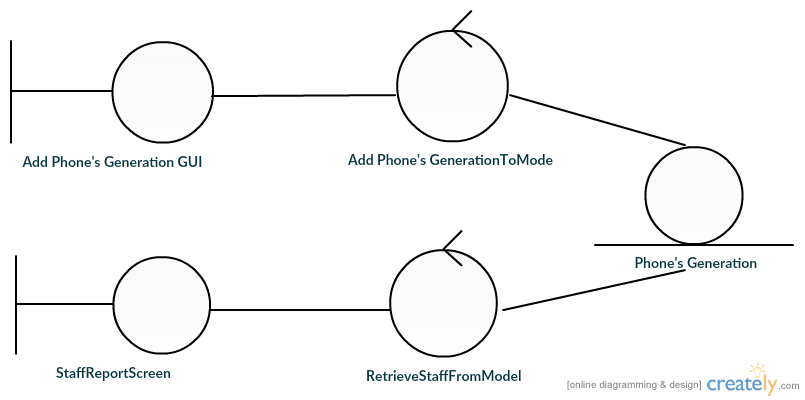
Miss Uraiwan Puekphet 5730213031

**MVC Print bill Repairs**

****

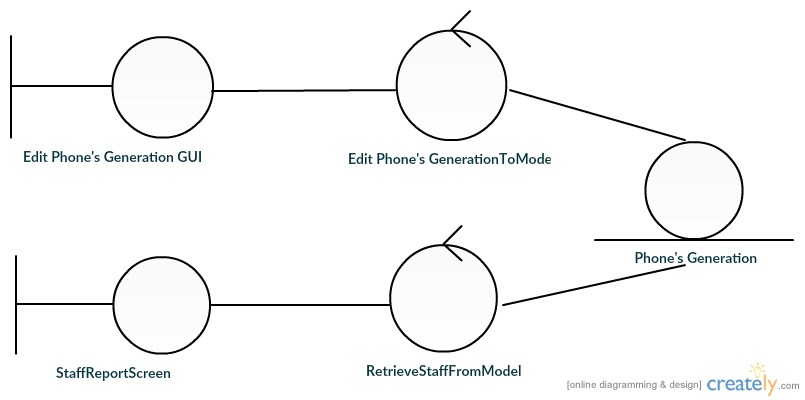
Miss Uraiwan Puekphet 5730213031

**MVC Add Phone’s Generation**

****

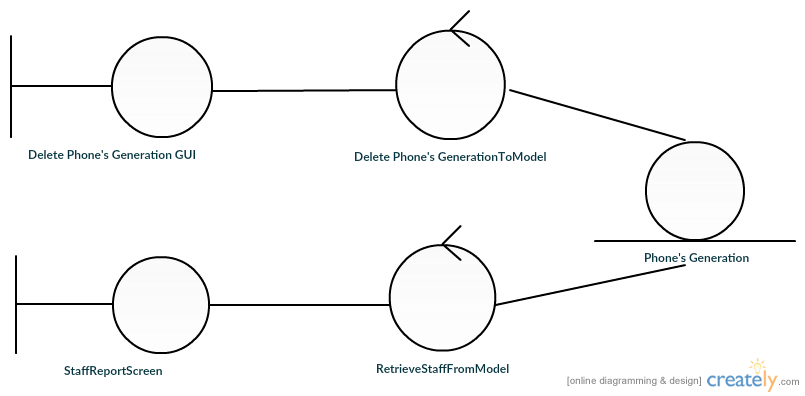
MissPuttinun Duangsamran 5730213038

**MVC Edit Phone’s Generation**

****

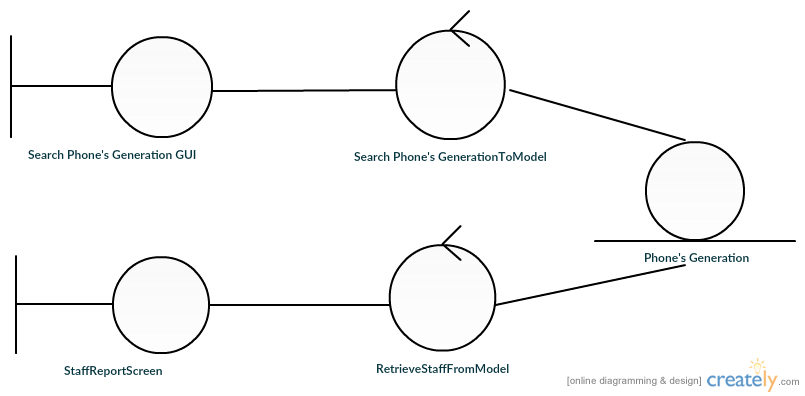
MissPuttinun Duangsamran 5730213038

**MVC Delete Phone’s Generation**

****

MissPuttinun Duangsamran 5730213038

**MVC Search Phone’s Generation**

****

MissPuttinun Duangsamran 5730213038

**MVC Show customer take back**

**1**

Mr.Jasadaporn Sain-Un 5730213073

**MVC Show 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

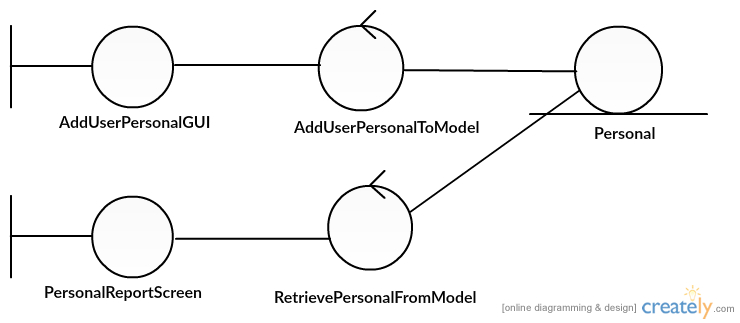
Mr.Jasadaporn Sain-Un 5730213073

**MVC Show take to repair center**

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

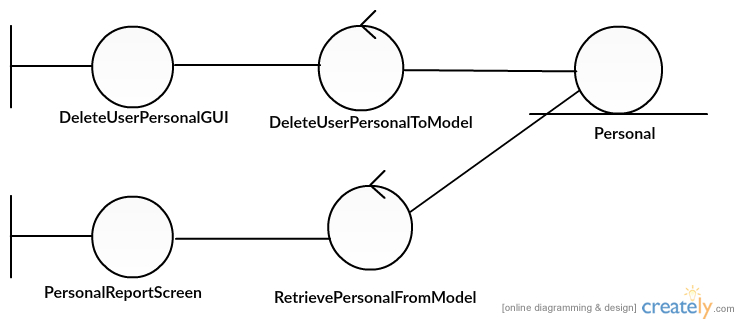
Mr.Jasadaporn Sain-Un 5730213073

**MVC Add User**

****

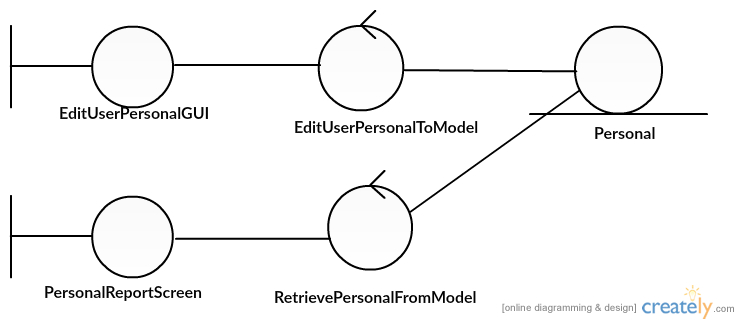
Mr.Sitta Chumklaew 5730213074

**MVC Edit User**

****

Mr.Sitta Chumklaew 5730213074

**MVC Delete User**



Mr.Sitta Chumklaew 5730213074

**MVC Add Repairman**

****

Mr.Sitta Chumklaew 5730213074

**Bill Management**



Mr.Tanawat Meechai 5730213080



Mr.Tanawat Meechai 5730213080



Mr.Tanawat Meechai 5730213080

**Shop Management**

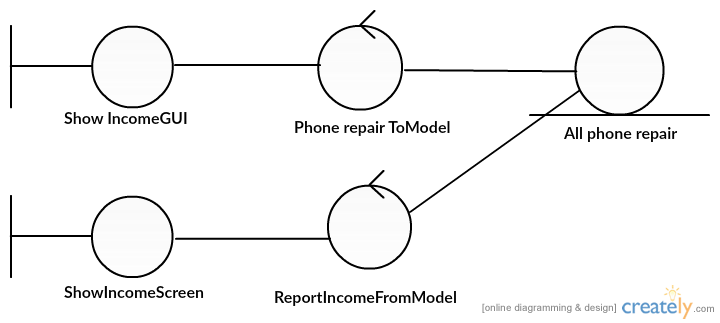


Mr.Tanawat Meechai 5730213080



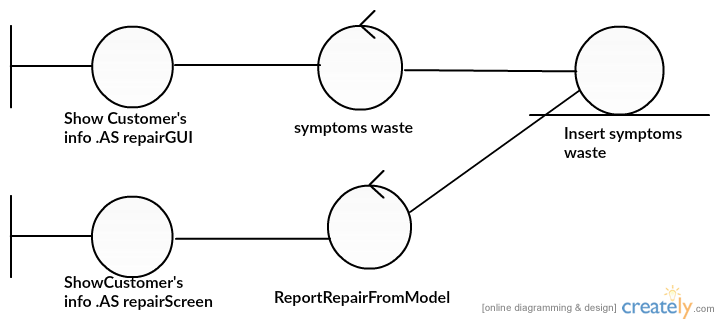
Mr.Tanawat Meechai 5730213080

**MVC Income**

****

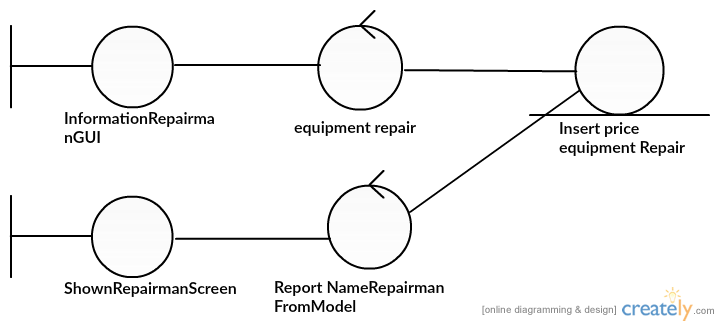
Mr.Pasin Sommung 5730213096

**MVC Customer’s info. As Repair**

****

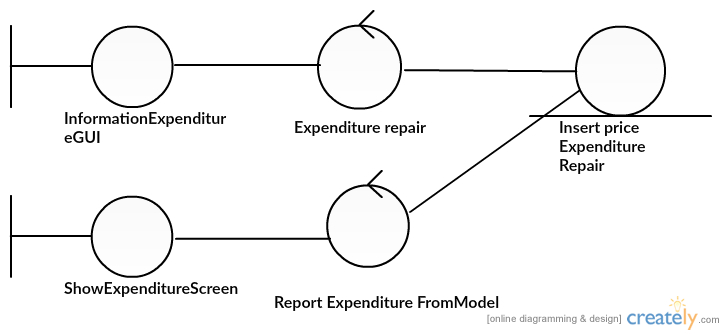
Mr.Pasin Sommung 5730213096

**MVC Repairman**

****

Mr.Pasin Sommung 5730213096

**MVC Expenditure**

****

Mr.Pasin Sommung 5730213096

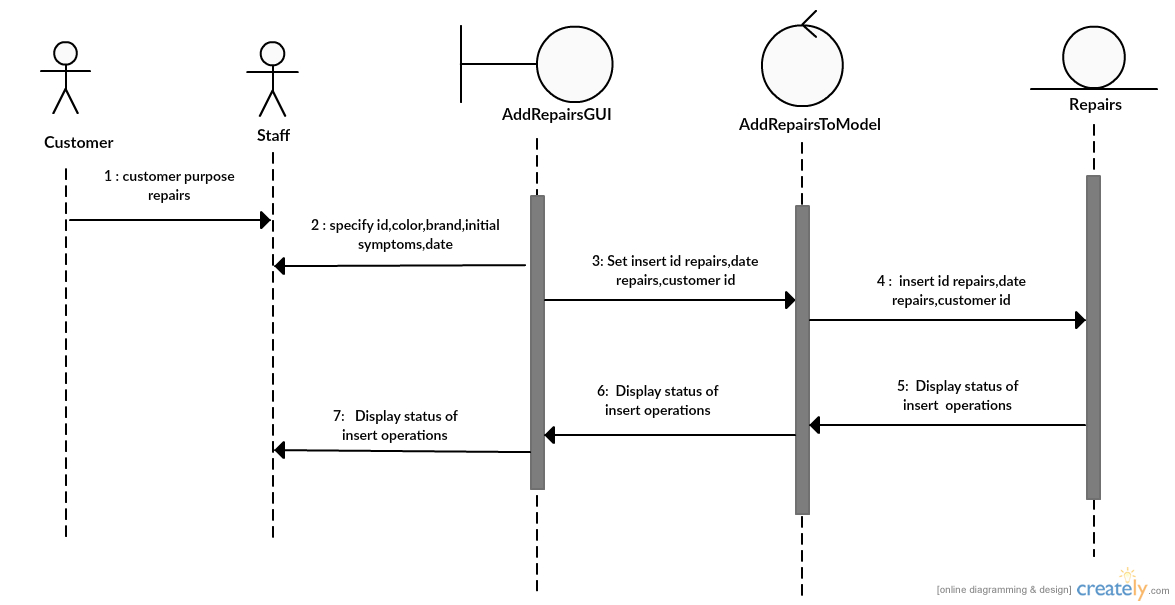
**4.2Class Diagram**

****

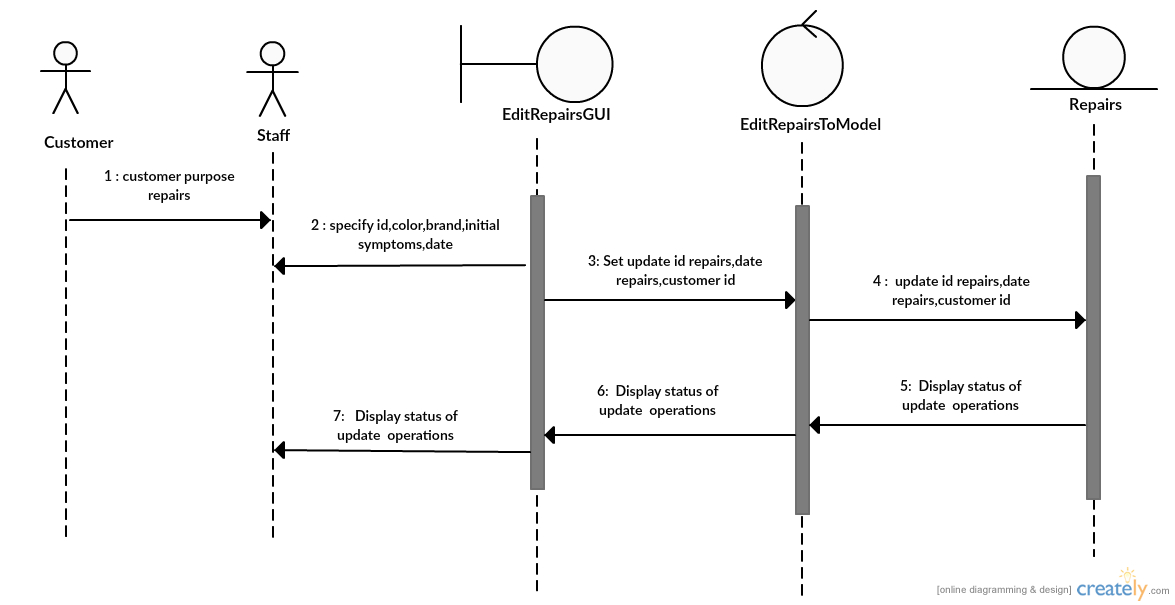
**5.System Behaviour Model**

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

* This diagram describes the system scenario of “UC111: Add Repairs”

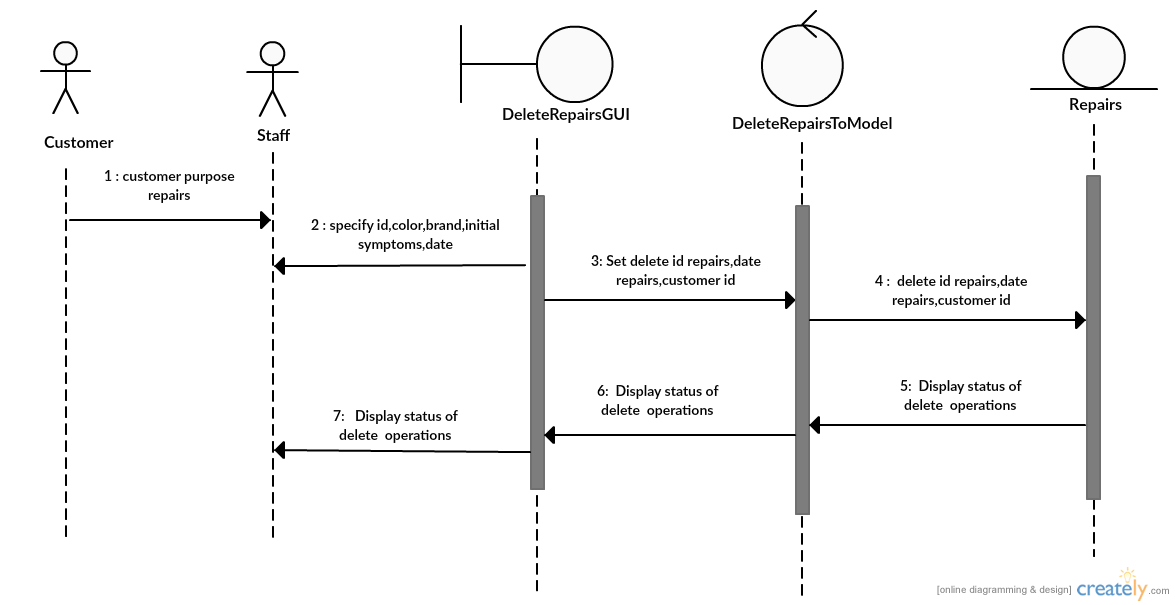
****

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* This diagram describes the system scenario of “UC112: Edit Repairs”

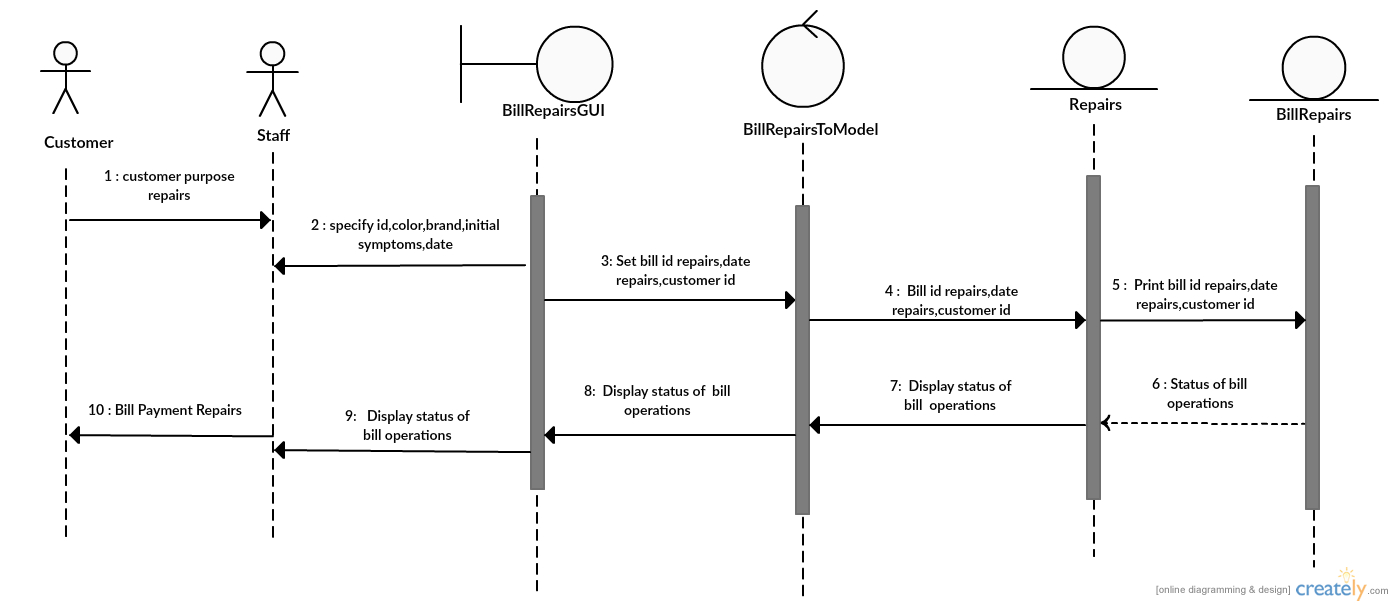
Miss Uraiwan Puekphet 5730213031

* This diagram describes the system scenario of “UC113:Delete Repairs”

****

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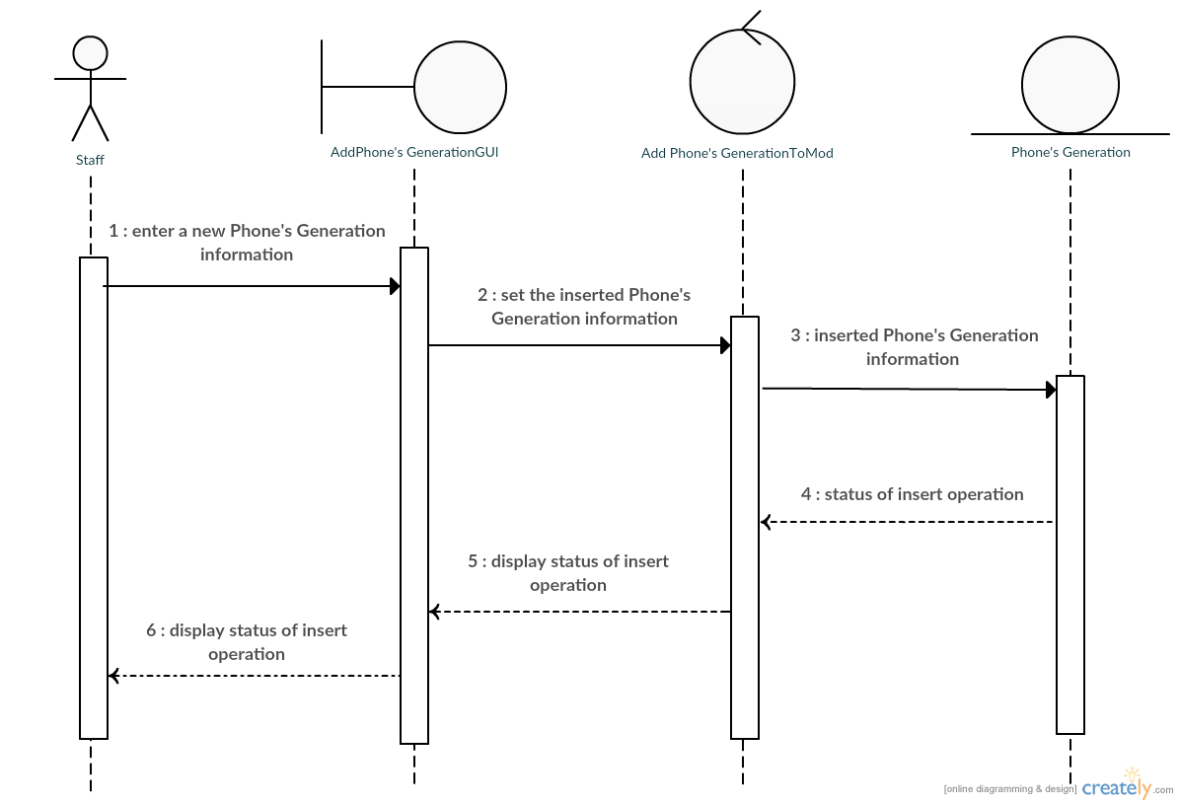
* This diagram describes the system scenario of “UC114:Bill Repairs”

****

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

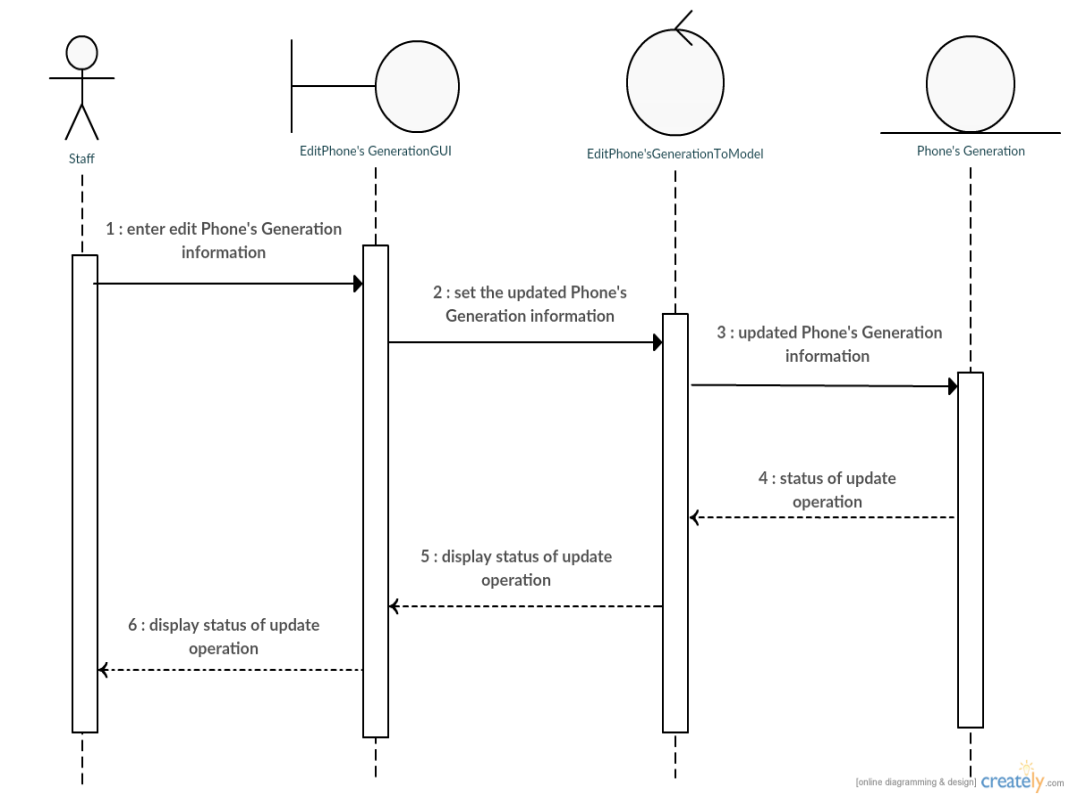
* This diagram describes the system scenario of **“UC211: Add new Phone’s Generation”**

****

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

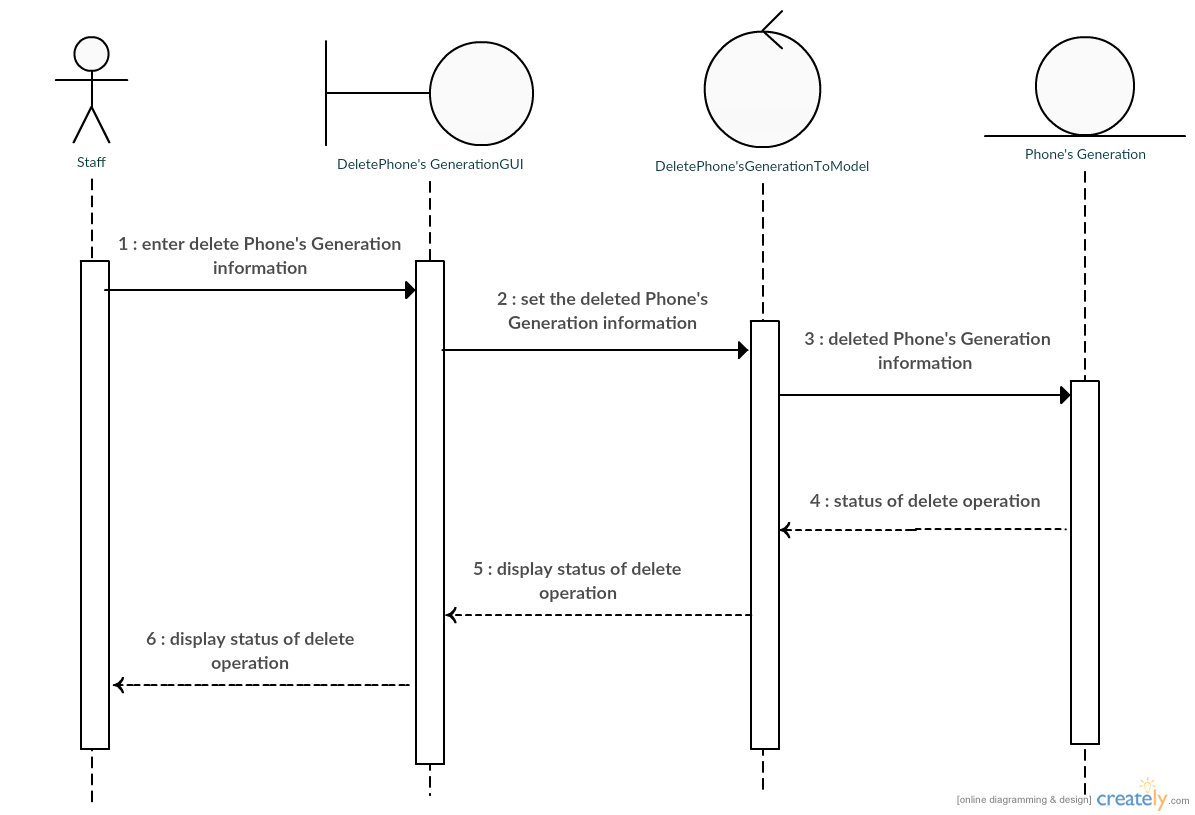
* This diagram describes the system scenario of **“UC212: Edit Phone’s Generation”**

****

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

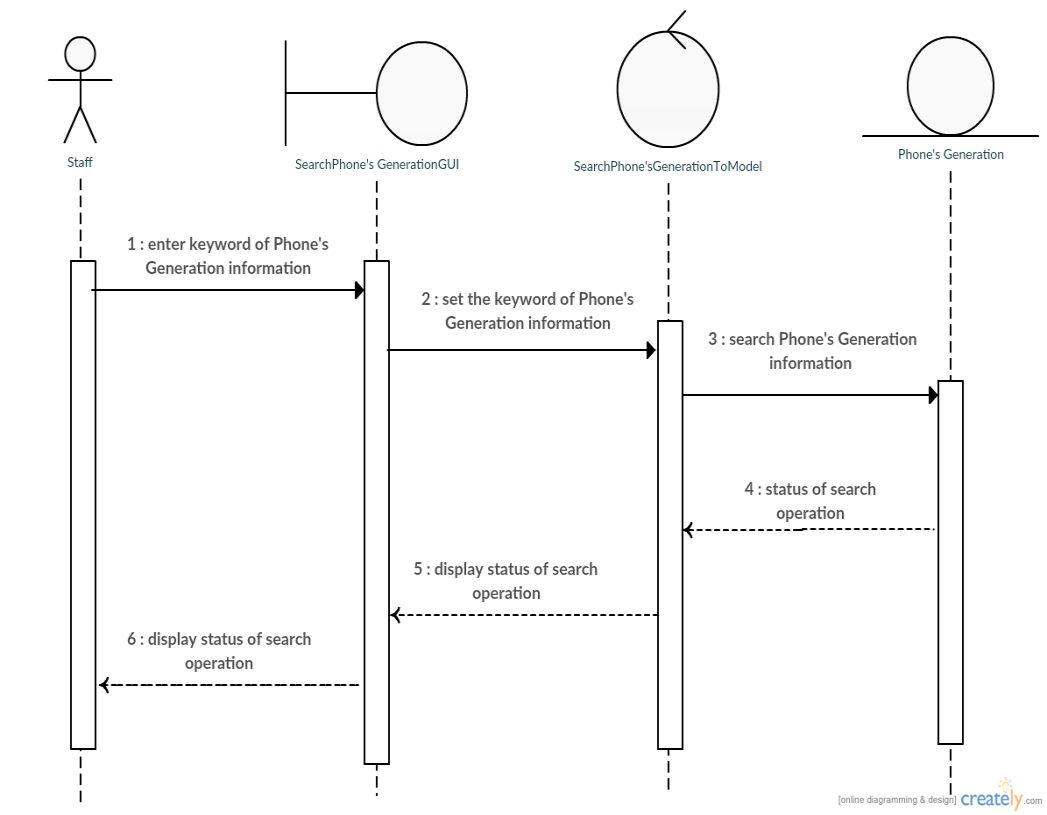
* This diagram describes the system scenario of **“UC213: Delete Phone’s Generation”**

****

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

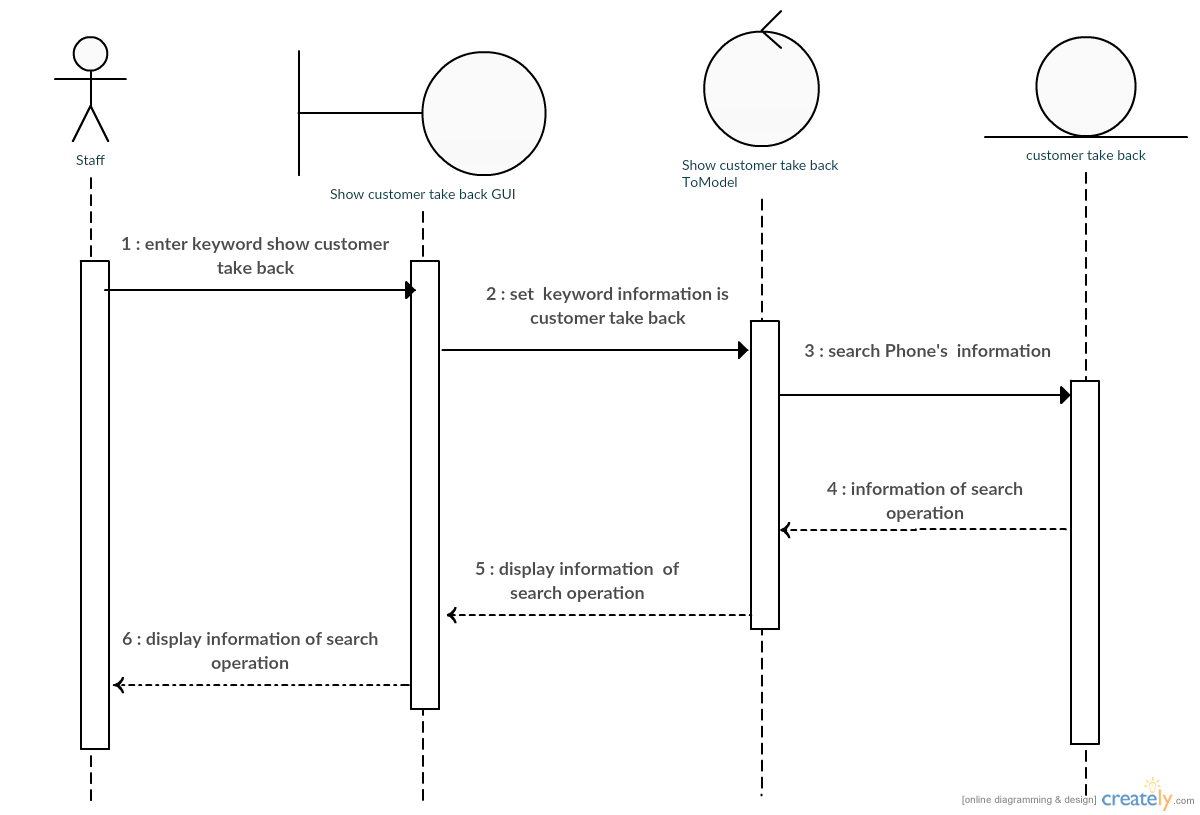
* This diagram describes the system scenario of **“UC214: Search Phone’s Generation”**

****

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

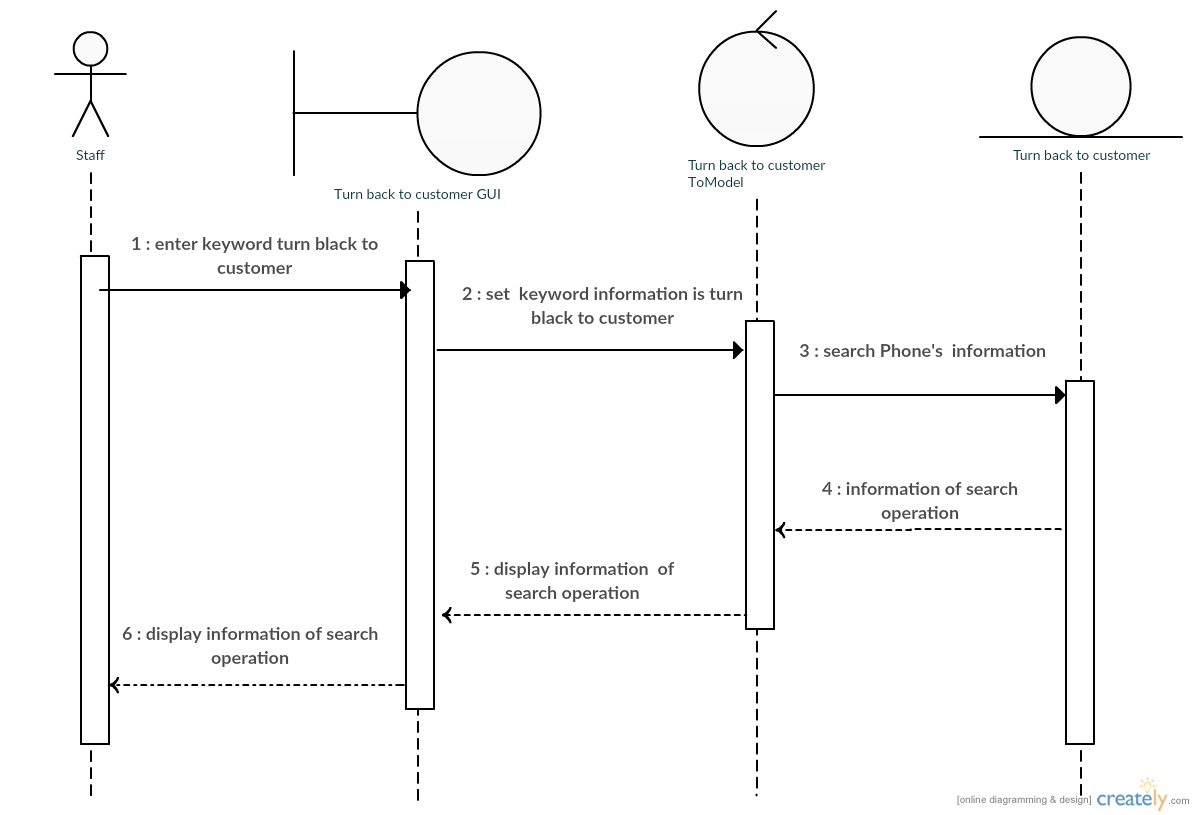
* This diagram describes the system scenario of **“UC311: show customer take back”**

****

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

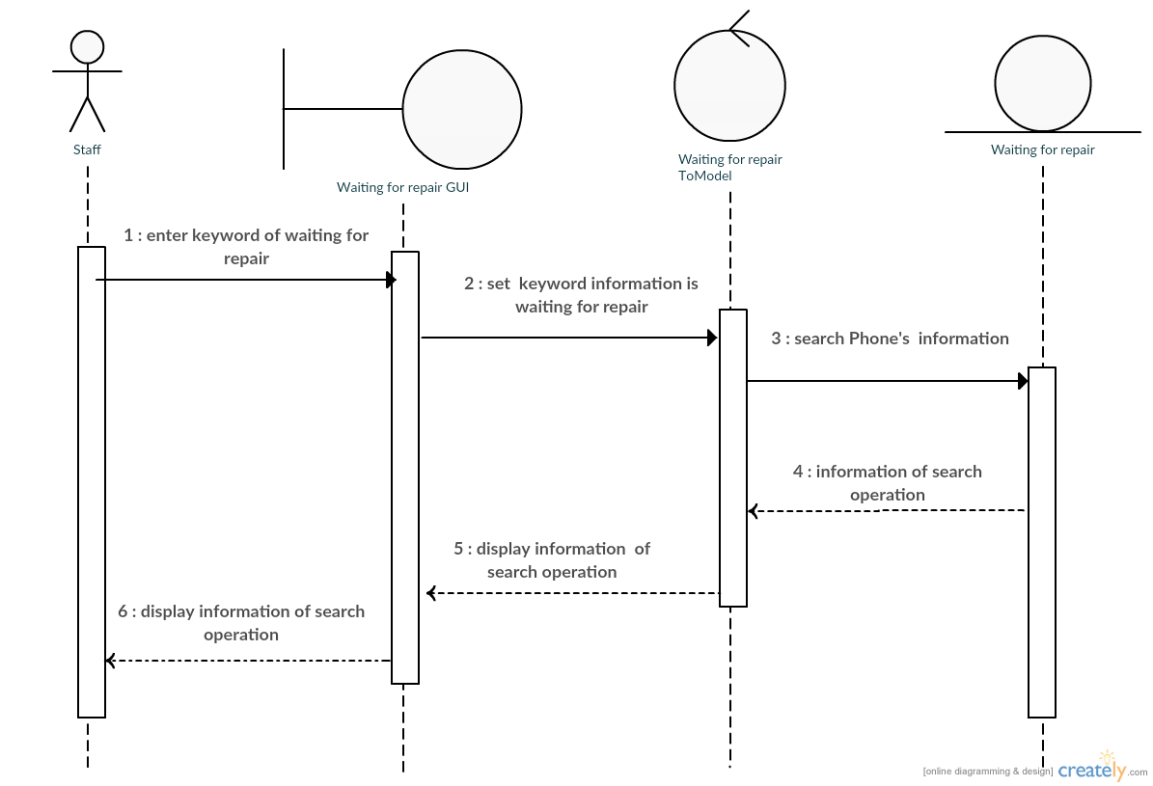
* This diagram describes the system scenario of **“UC312: turn back to customer”**

****

Mr.Jasadaporn Sain-Un 5730213073

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

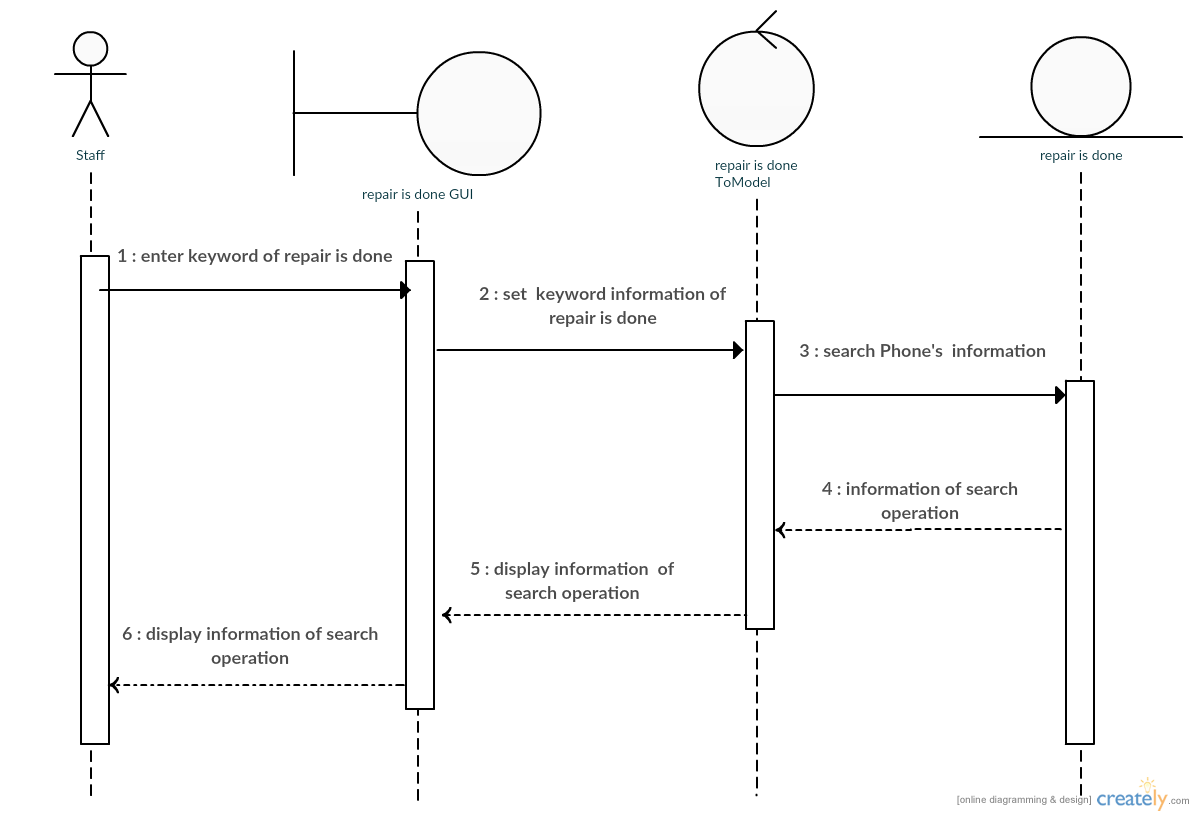
* This diagram describes the system scenario of **“UC313: waiting for repair”**



Mr.Jasadaporn Sain-Un 5730213073

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

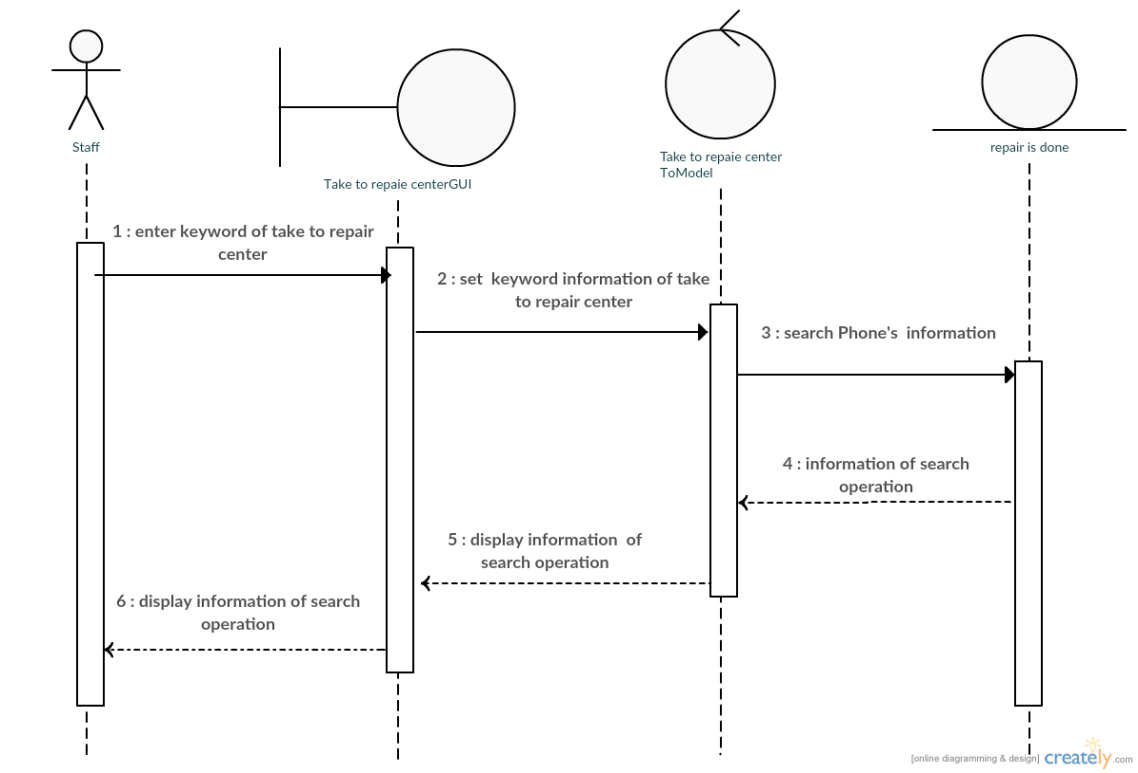
* This diagram describes the system scenario of **“UC314: repair is done”**



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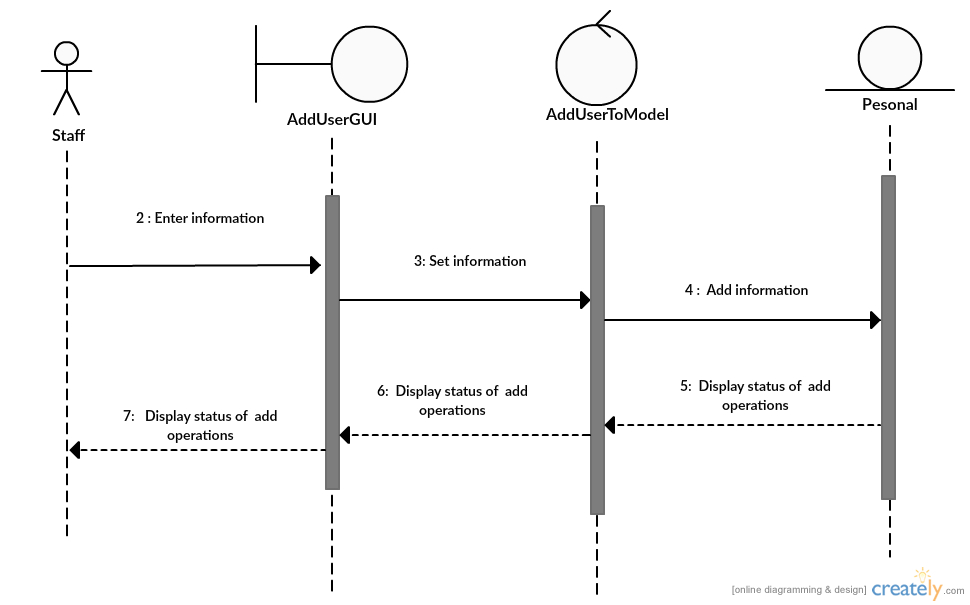
**Sequence Diagram demonstrating operation “Take to repair canter”**

* This diagram describes the system scenario of **“UC315: Take to repair canter”**

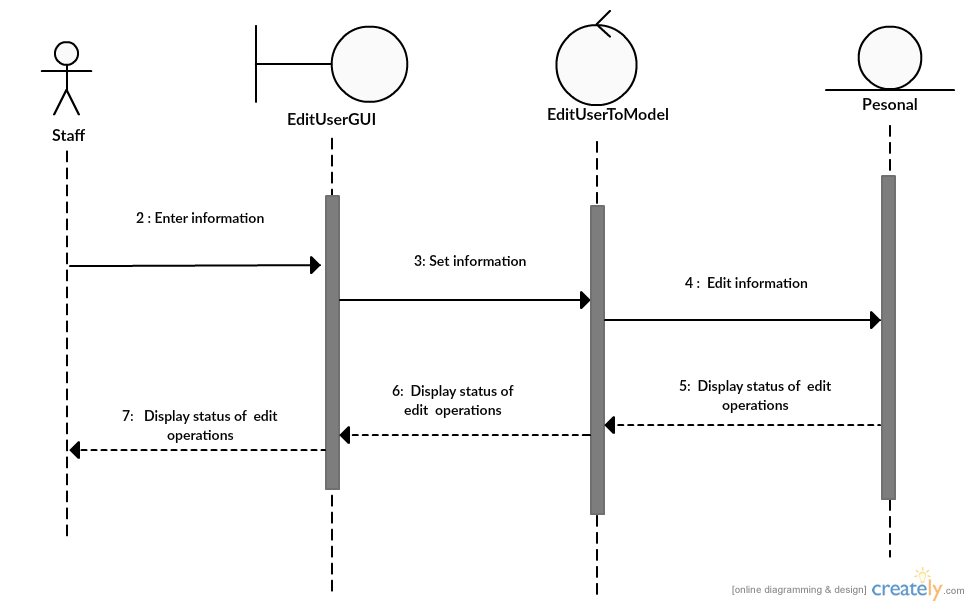


Mr.Jasadaporn Sain-Un 5730213073

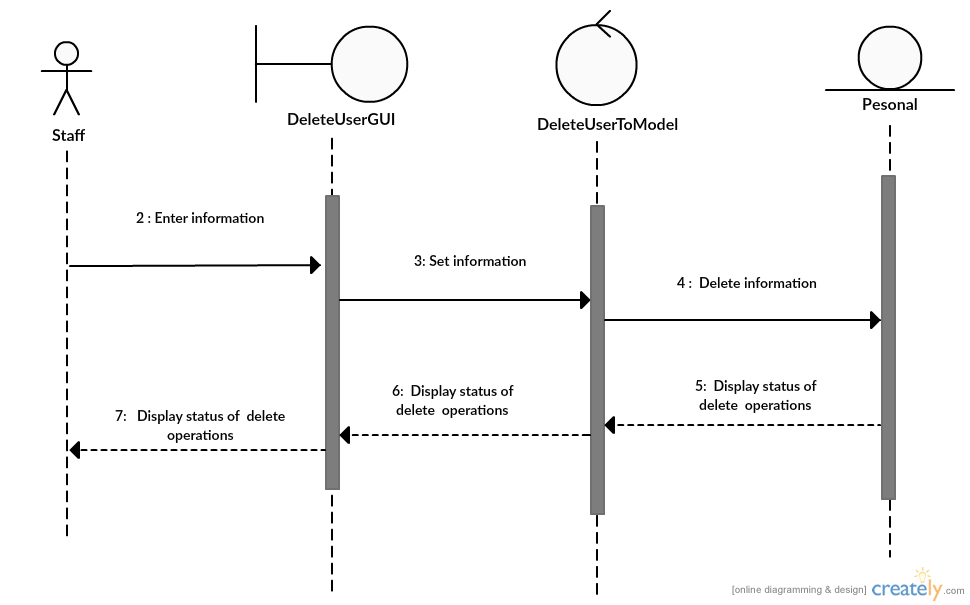
**Sequence Diagram demonstrating operation “Add User, Edit User, Delete User,Add repairman”**

* ****This diagram describes the system scenario of “UC411: Add User”

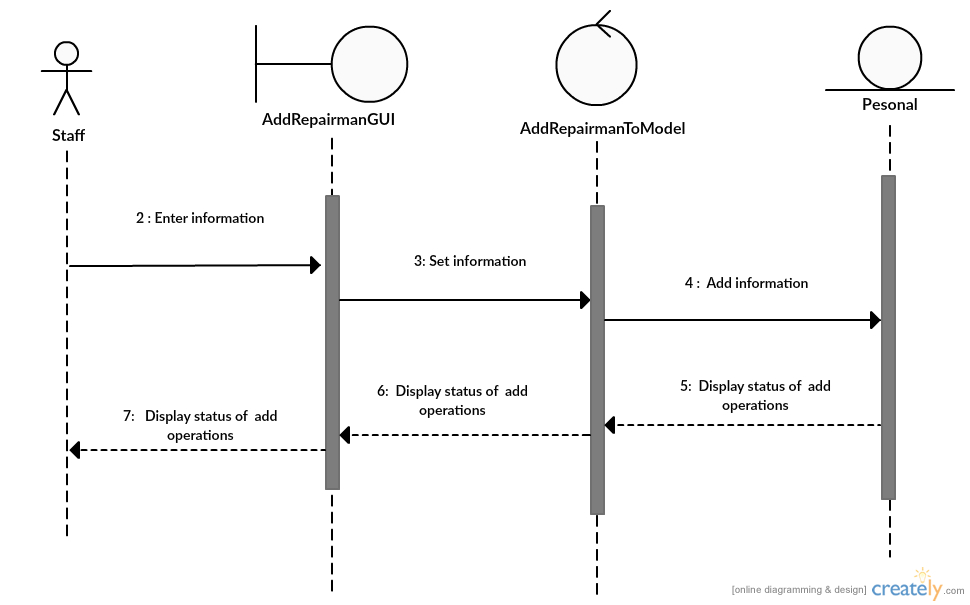
Mr.Sitta Chumklaew 5730213074

* This diagram describes the system scenario of “UC412: Edit User”

Mr.Sitta Chumklaew 5730213074

* This diagram describes the system scenario of “UC413:Delete User”

Mr.Sitta Chumklaew 5730213074

* ****This diagram describes the system scenario of “UC414:Bill Repairs”

Mr.Sitta Chumklaew 5730213074

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

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

****

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”**

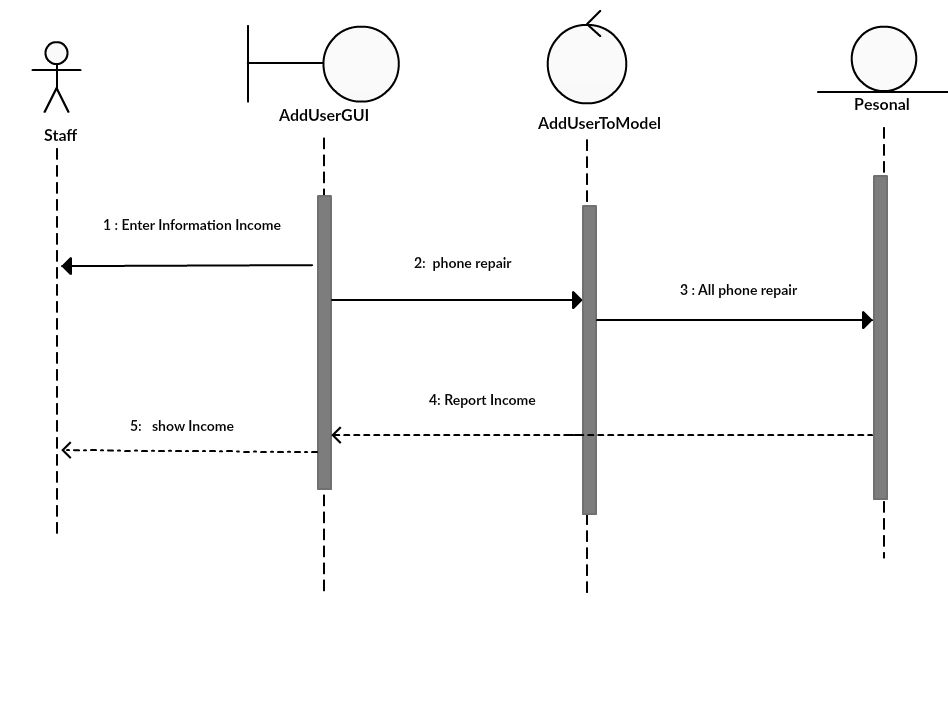
* This diagram describes the system scenario of **“UC522: Update About Shop”**

****

Mr.Tanawat Meechai 5730213080

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

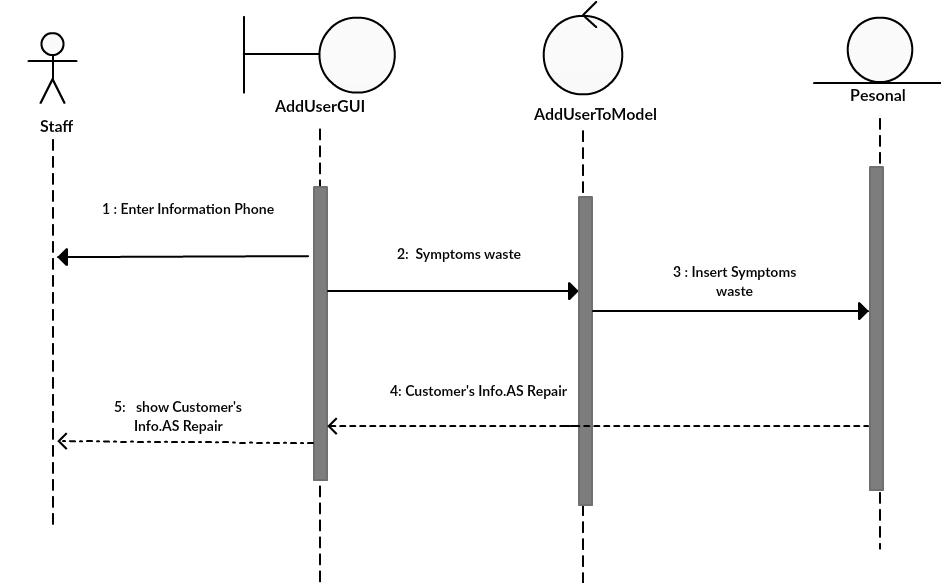
* This diagram describes the system scenario of **“UC611: Income”**

****

Mr.Pasin Sommung 5730213096

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

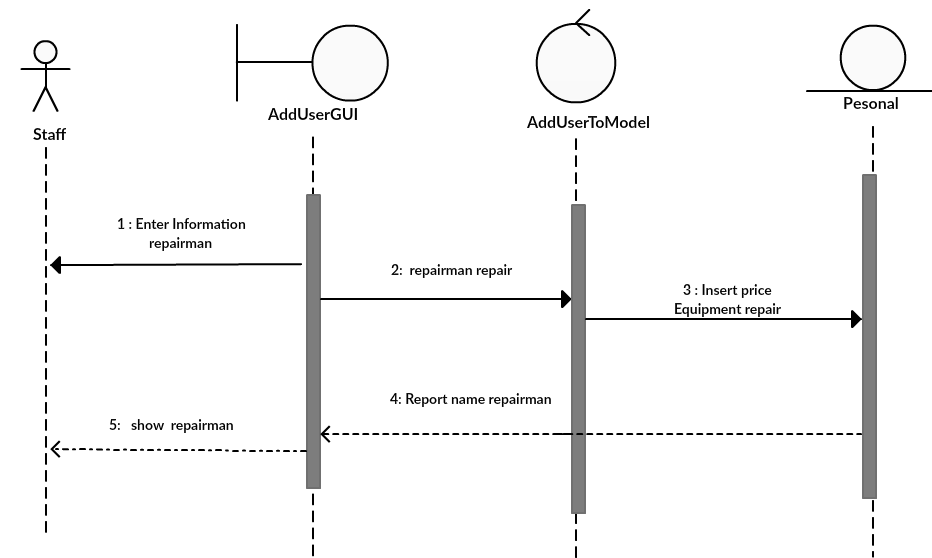
* This diagram describes the system scenario of **“UC612:Customer’s Info. As Repair ”**

****

Mr.Pasin Sommung 5730213096

**Sequence Diagram demonstrating operation “Repairman”**

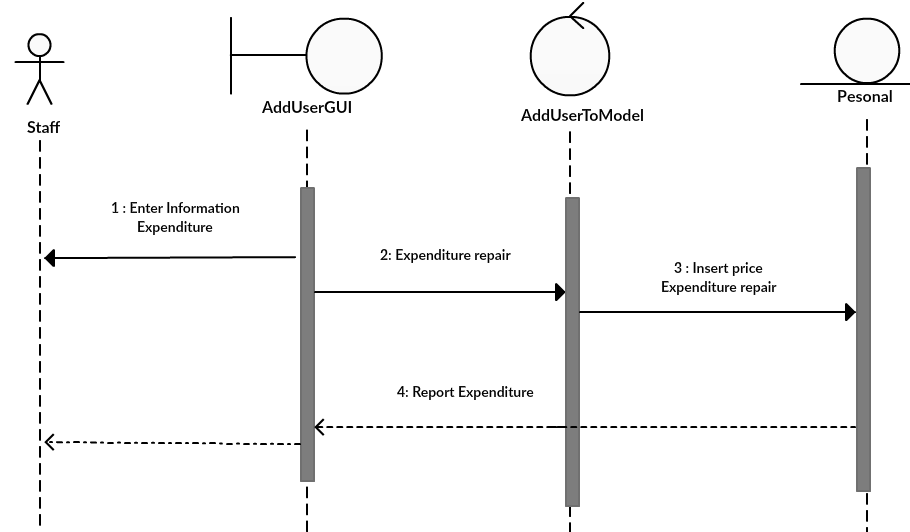
* This diagram describes the system scenario of **“UC613: Repairman”**

****

Mr.Pasin Sommung 5730213096

**Sequence Diagram demonstrating operation “expenditure”**

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

****

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