

<SoLove Co.,Ltd.>



<Work BreakdownStructure>

<Student Association Management Sytem>

Version 1.0

Prepare by

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Mr.Tanawat	Meechai	5730213080
Mr.Pasin	Sommung	5730213096

21/10/2016

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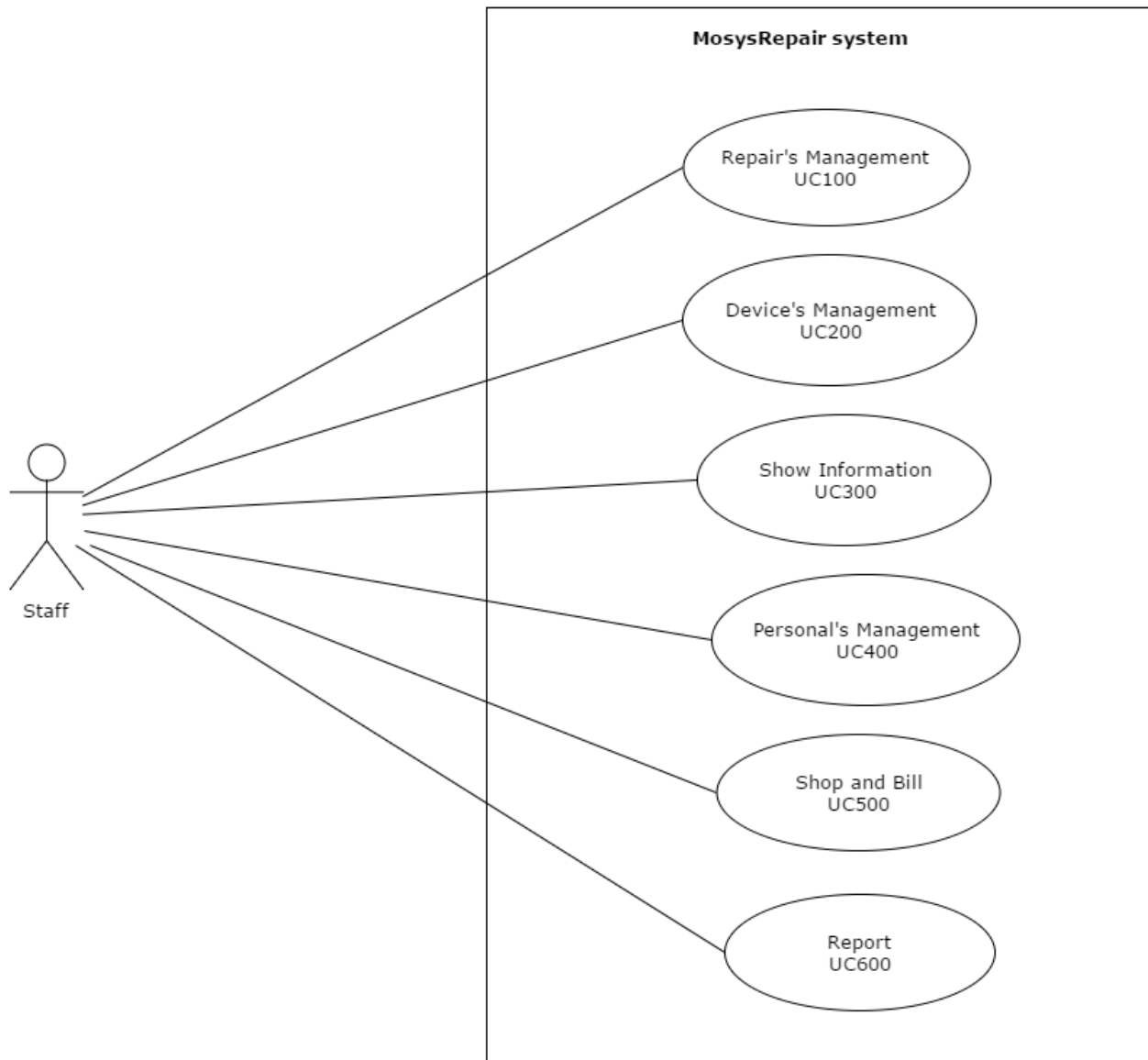
1. Revision History

Revision History identify changes to the Design Document.

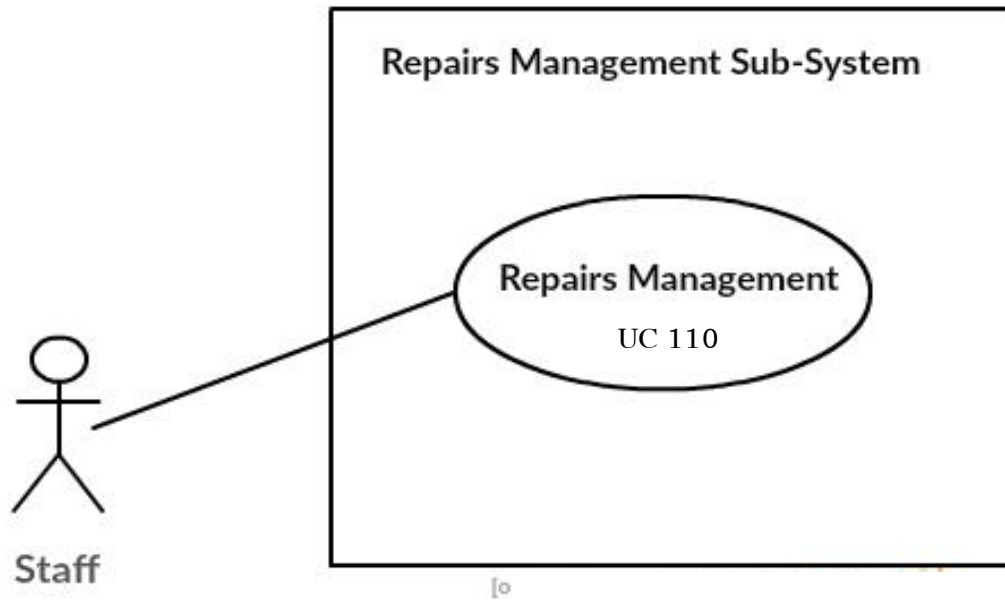
Name	Date	Description	Version
Mosys repair	11/11/16	Repair system for mobile phone	Version 1.0

2. Use Case Overview

Use Case Diagram Level 0: MosysRepair system

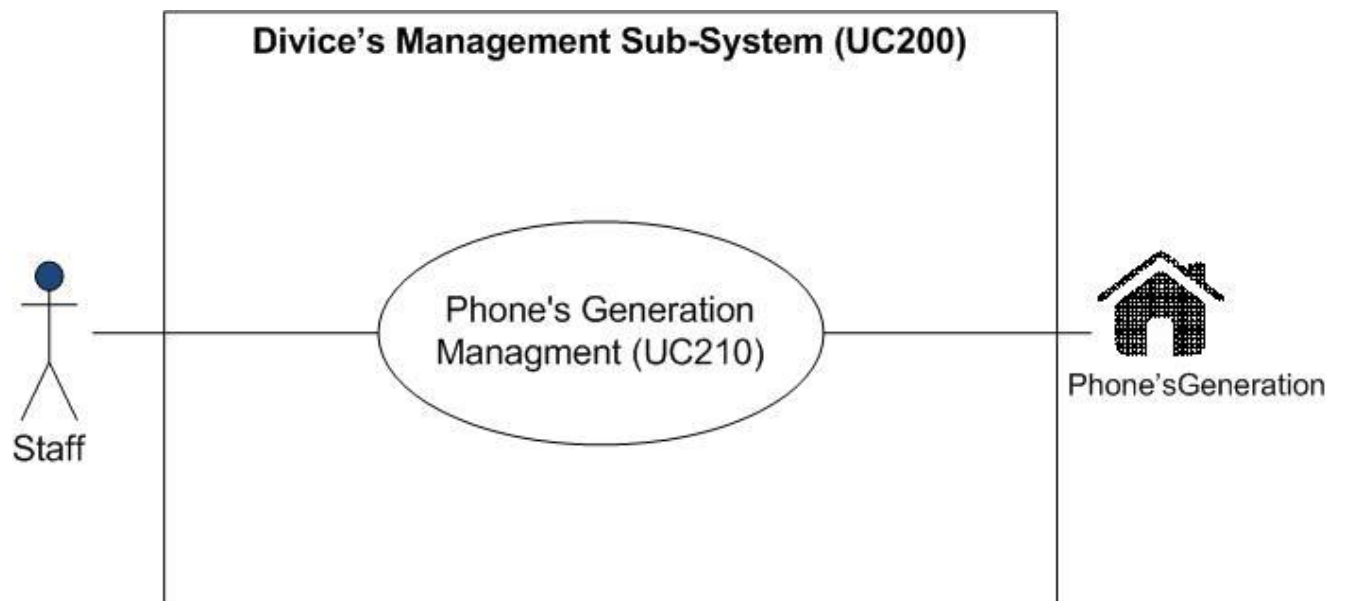


Use Case Diagram Level 1: Repairs Management Sub-System (UC100)

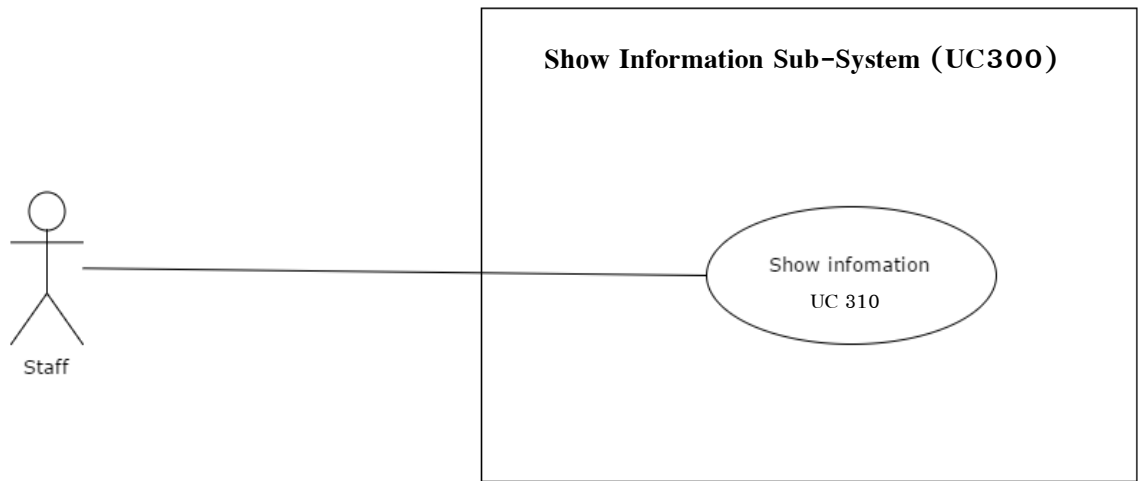


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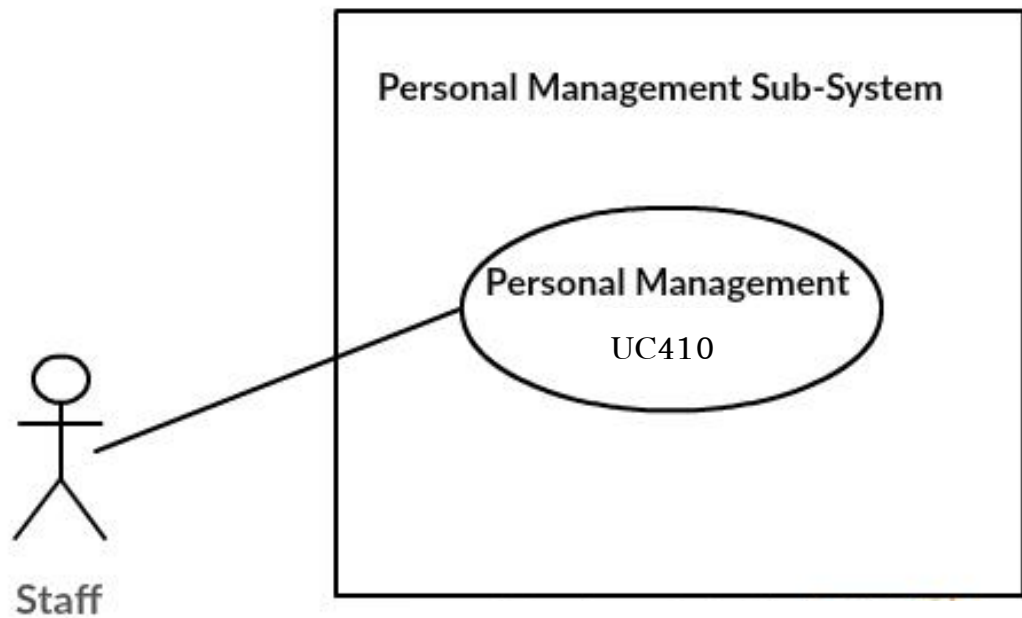
Use Case Diagram Level 1: Divice's Management Sub-System (UC200)



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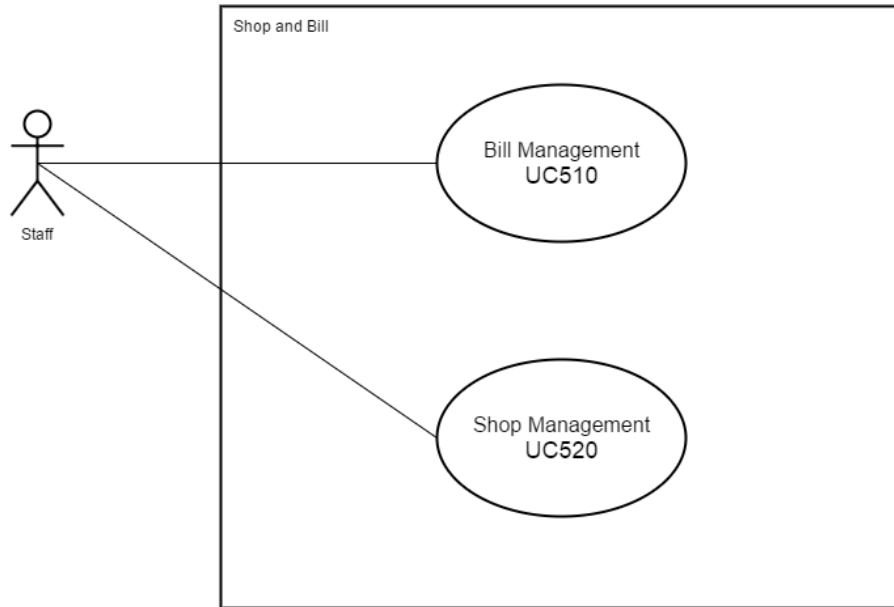
Use Case Diagram Level 1: Show Information Sub-System (UC300)

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

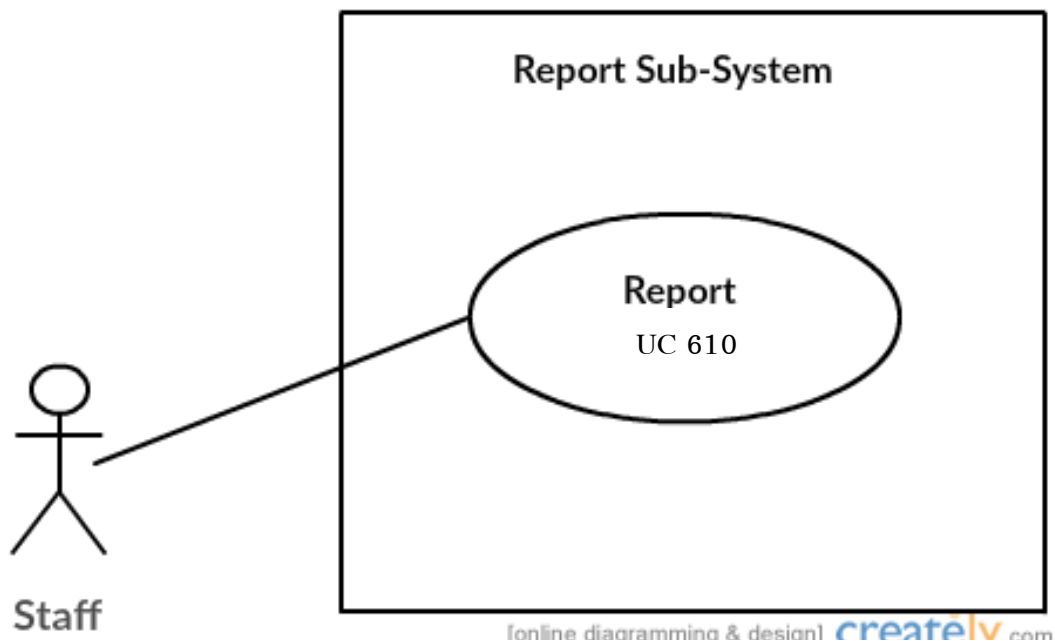
Mr.Sitta Chumklaew 5730213074

Use case Diagram LV1: Shop and Bill (UC500)



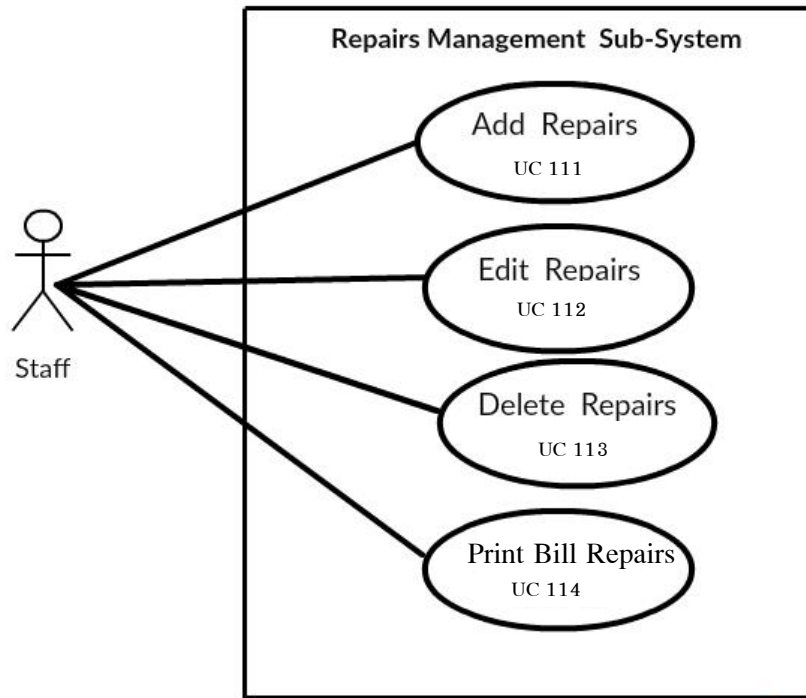
Mr.Tanawat Meechai 5730213080

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



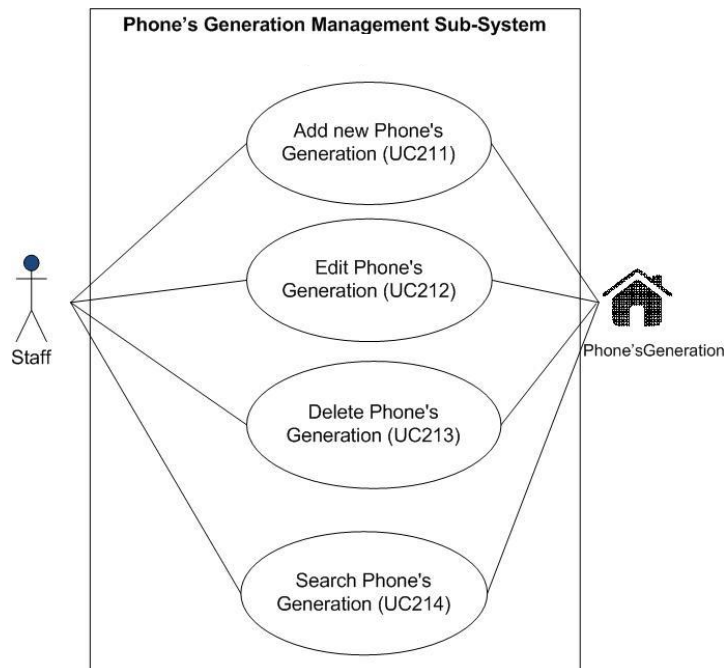
Mr.Pasin Sommung 5730213096

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



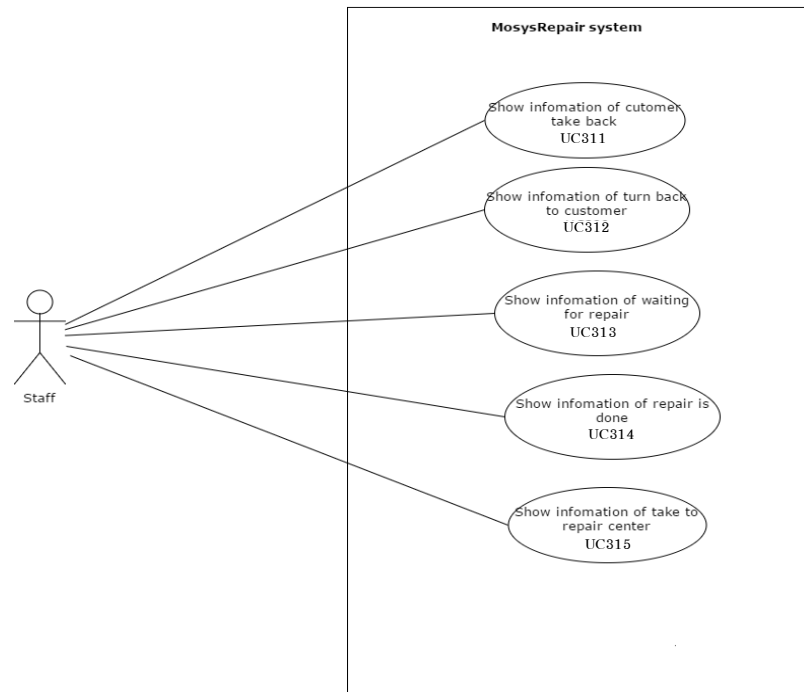
Miss Uraiwan Puekphet 5730213031

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



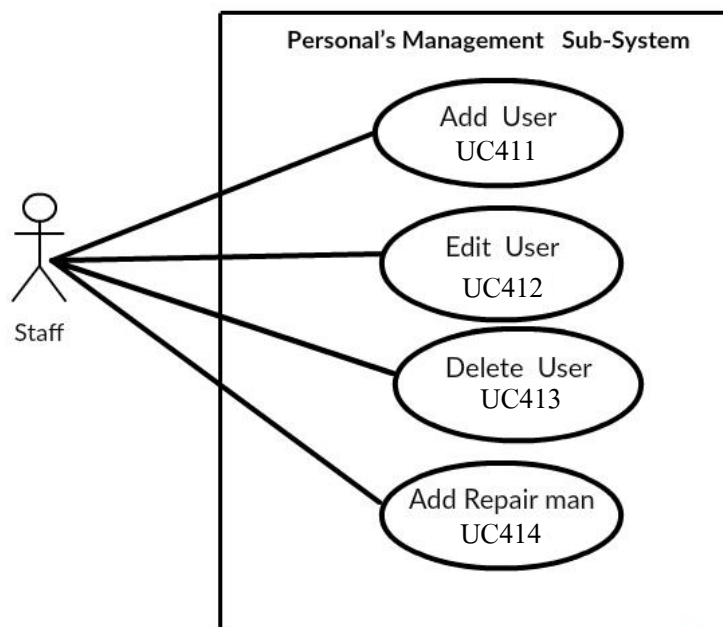
MissPuttinun Duangsamran 5730213038

Use Case Diagram Level 2 : Show Information (UC310)

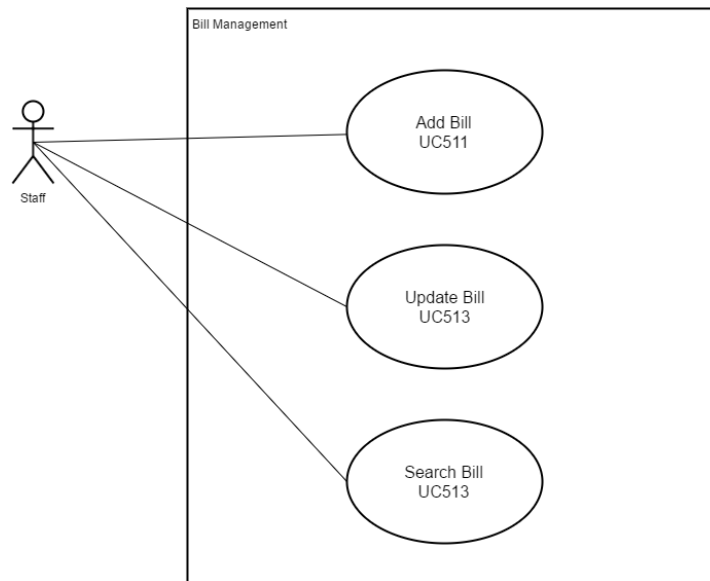


Mr.Jasadaporn Sain-Un 5730213073

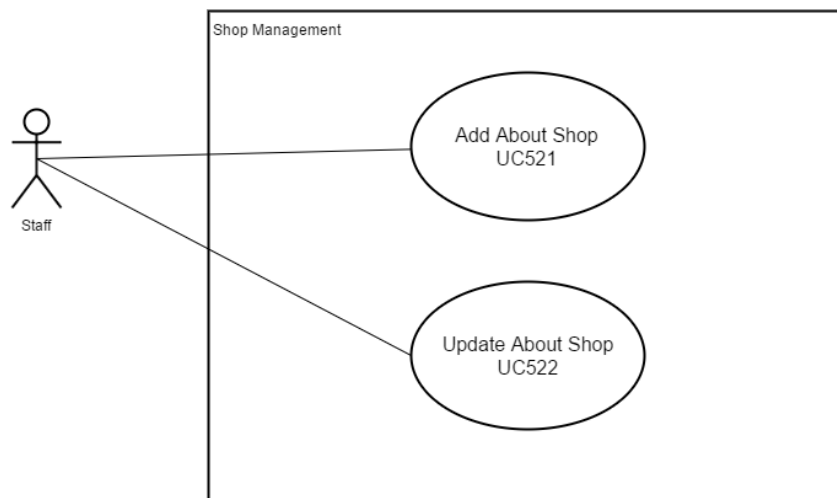
Use Case Diagram Level 2: Personal's Management Sub-System (UC410)



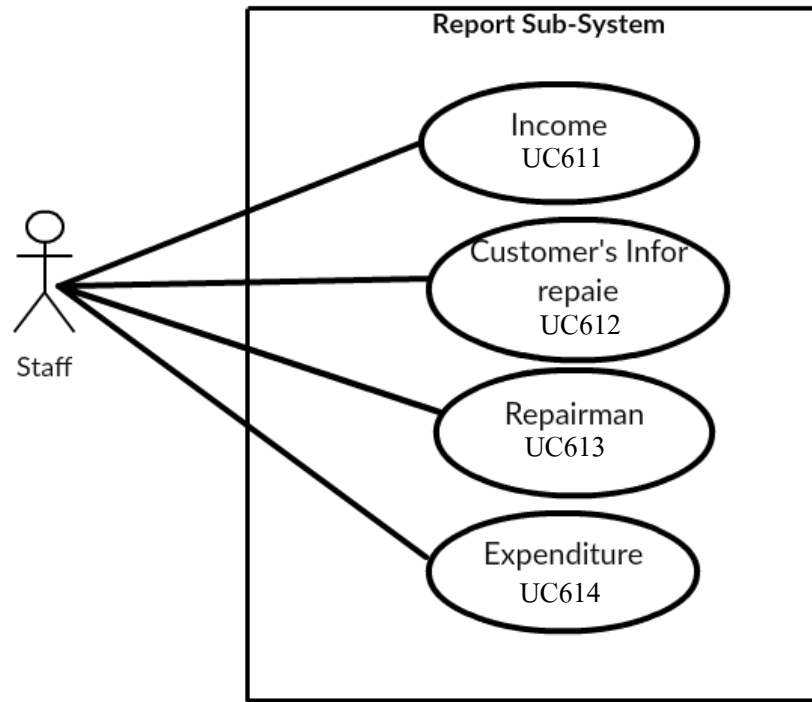
Mr.Sitta Chumklaew 5730213074

Use case Diagram LV2 : Bill Management (UC510)

Mr.Tanawat Meechai 5730213080

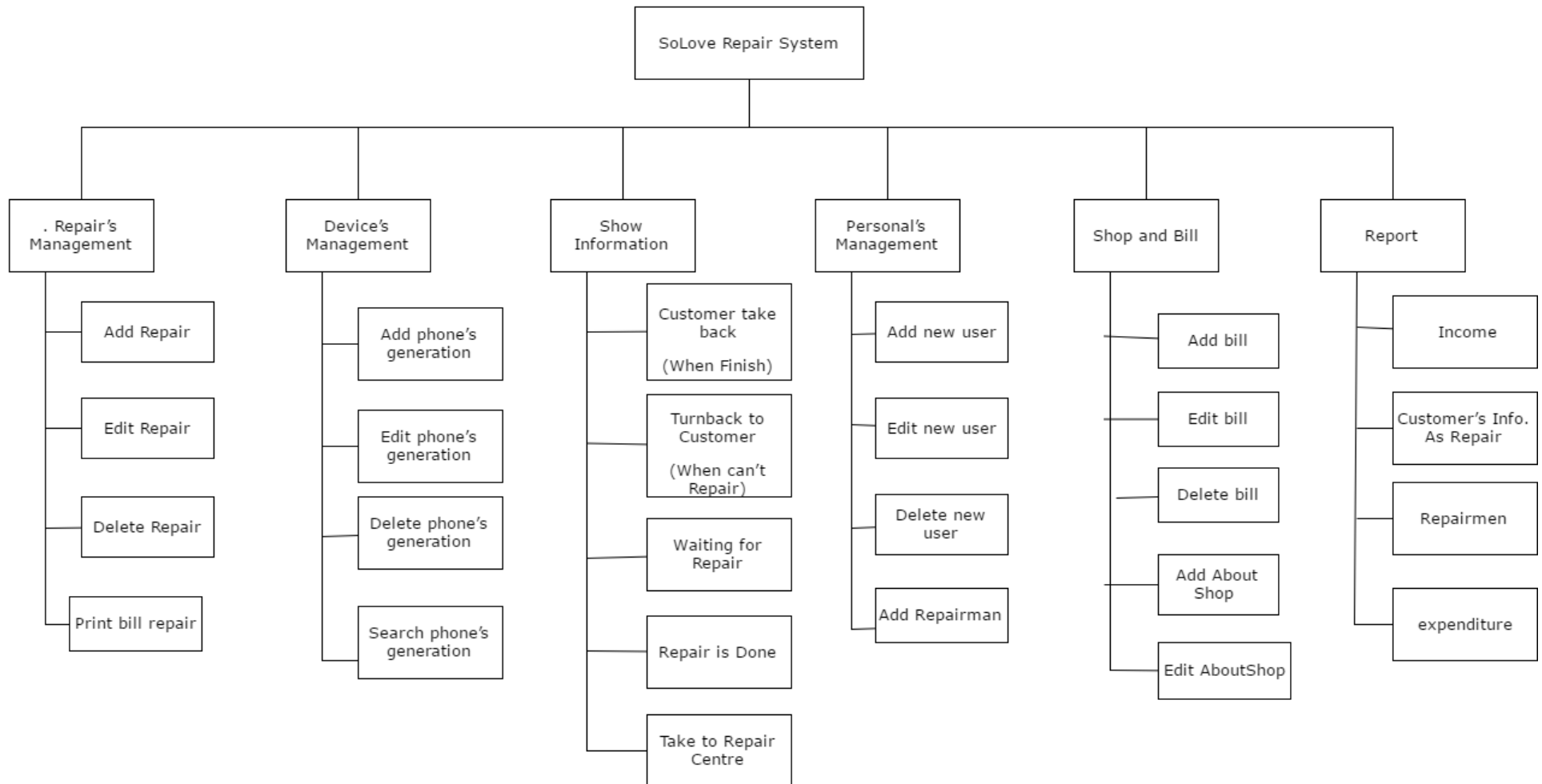
Use case LV2 : Shop Management (UC520)

Mr.Tanawat Meechai 5730213080

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

Mr.Pasin Sommung 5730213096

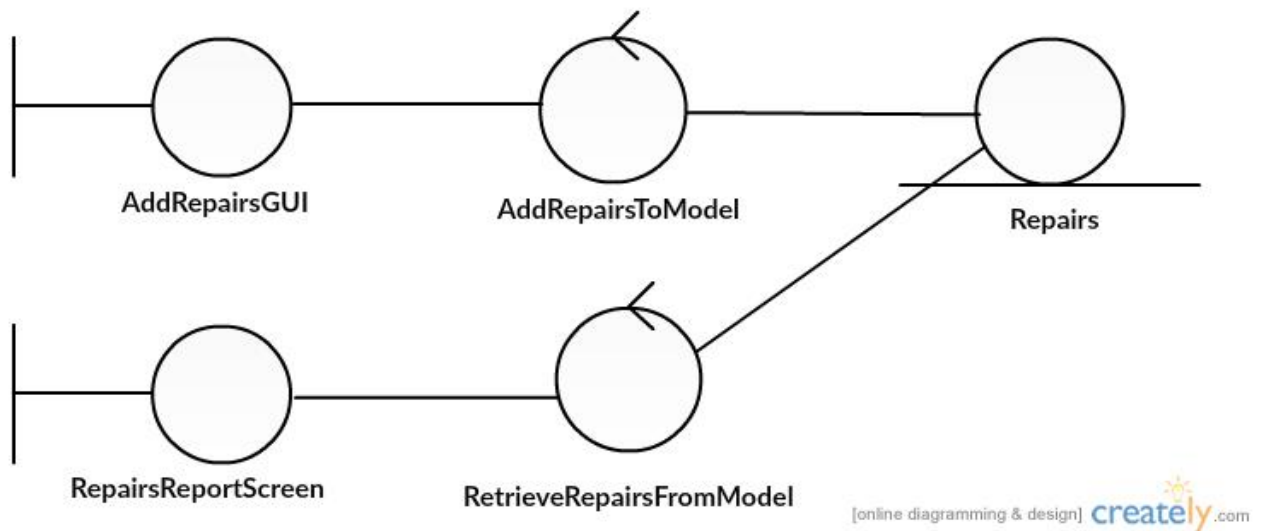
3.System Structure



4. Static Structure and Data Analysis

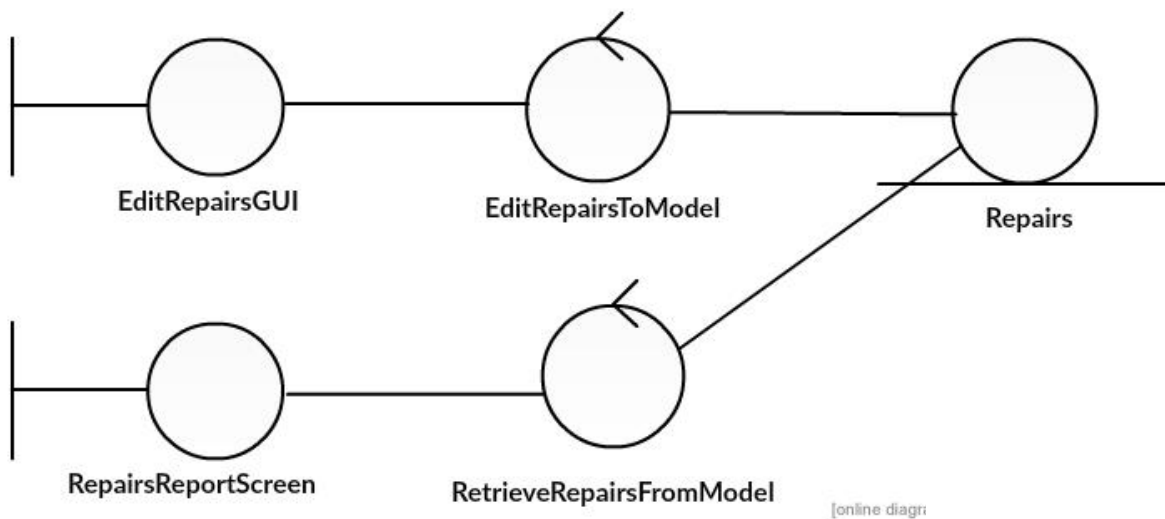
4.1 Model-View-Controller (MVC) Model

MVC Add Repairs



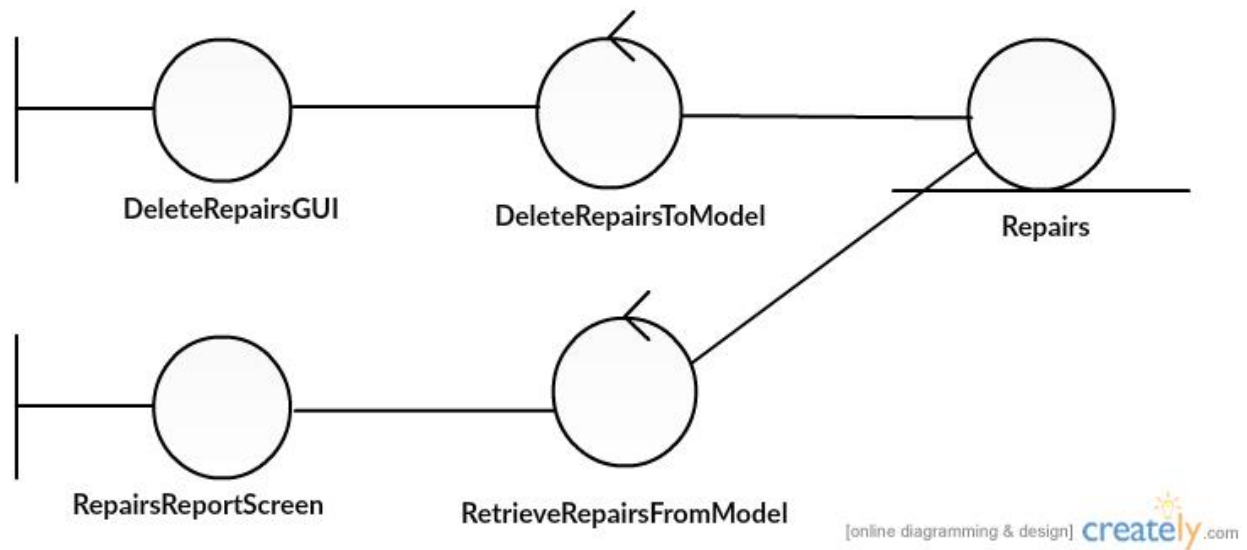
Miss Uraiwan Puekphet 5730213031

MVC Edit Repairs



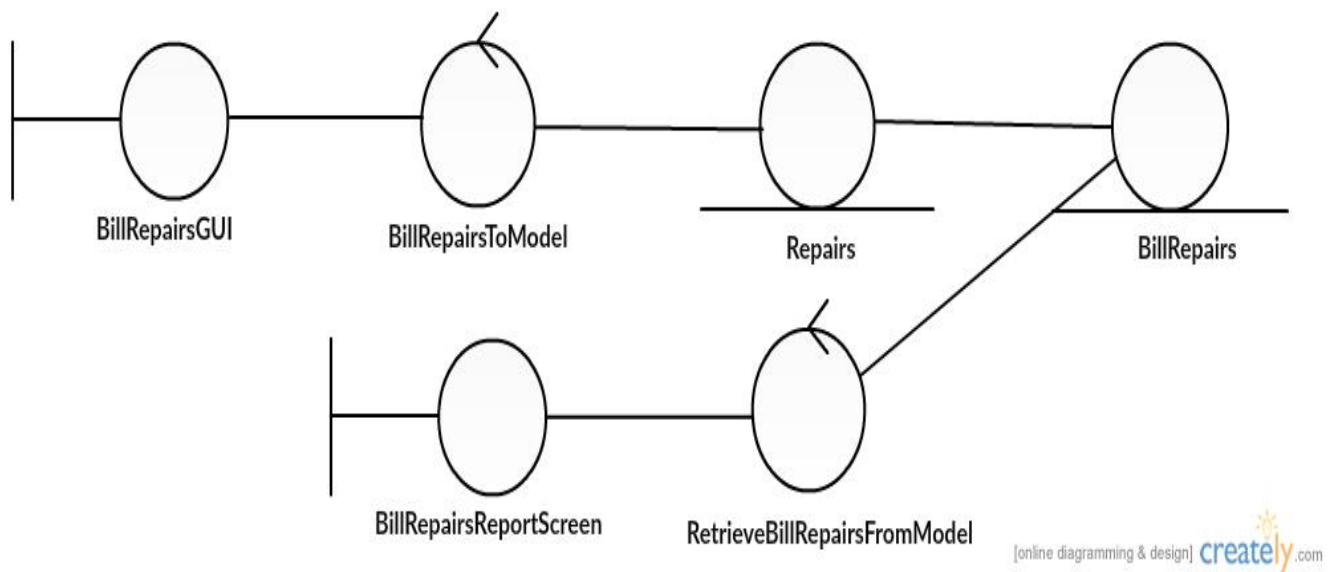
Miss Uraiwan Puekphet 5730213031

MVC Delete Repairs



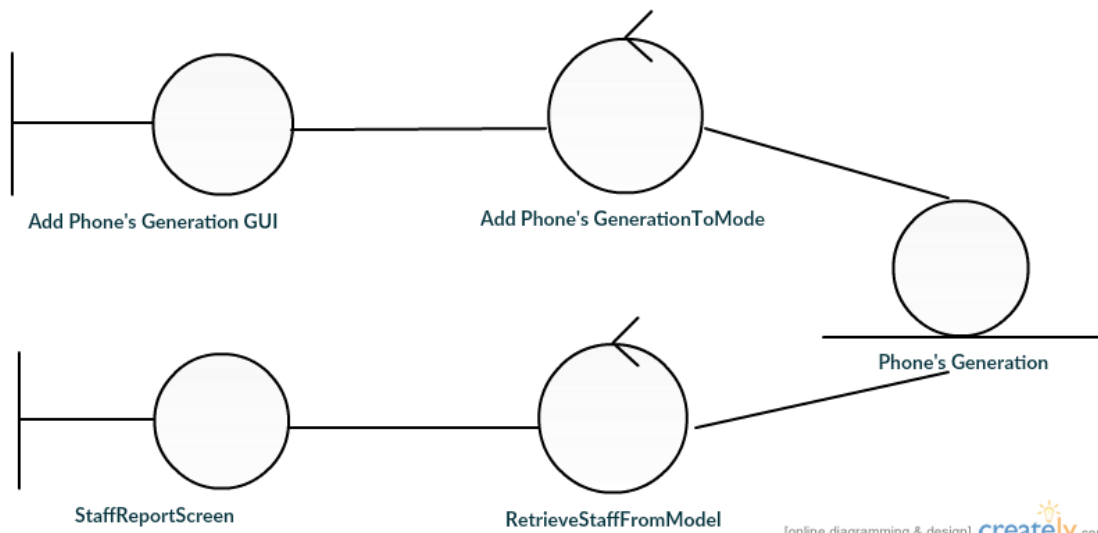
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MVC Print bill Repairs



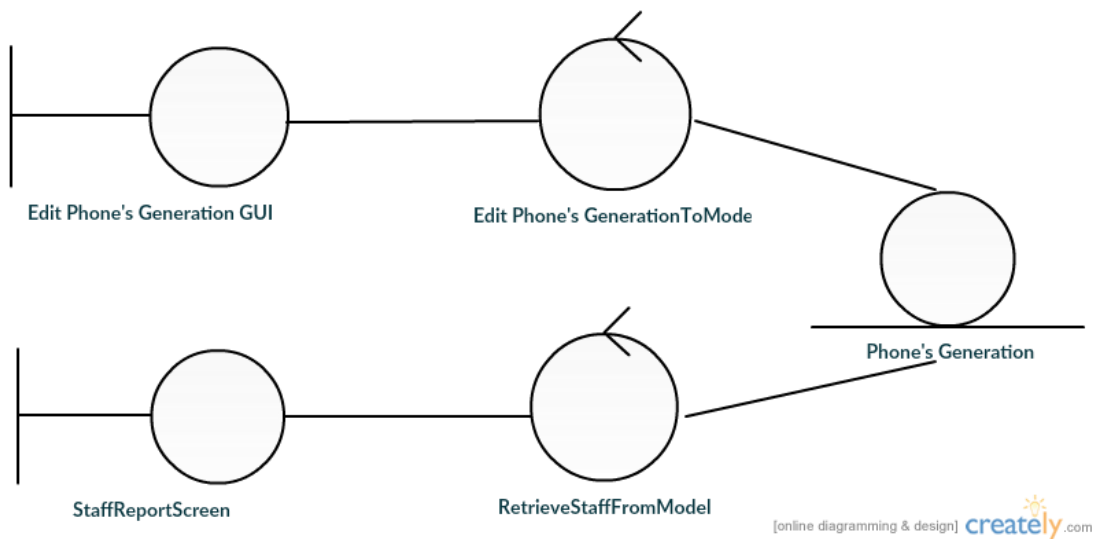
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MVC Add Phone's Generation

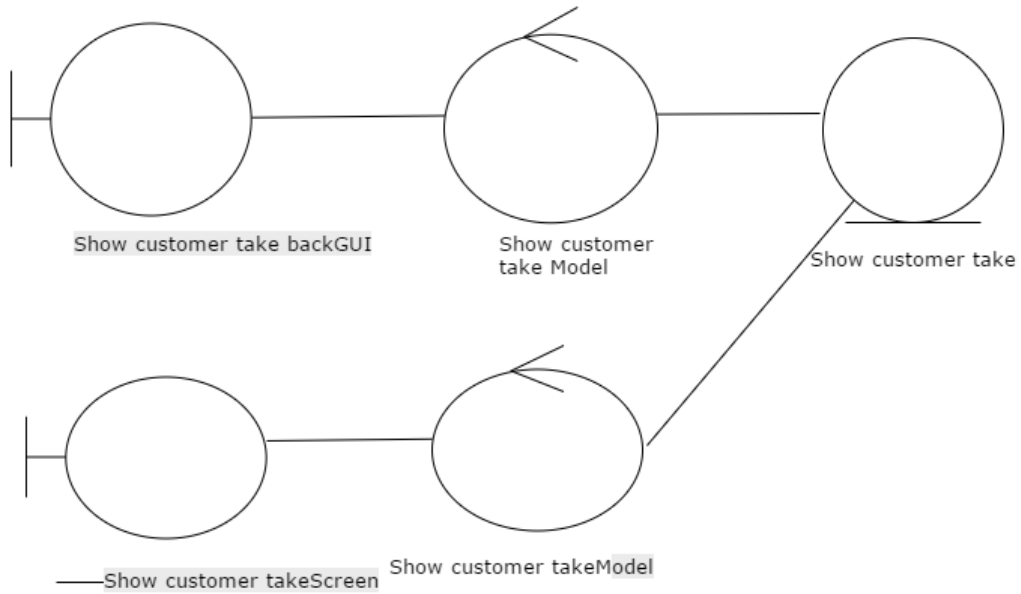


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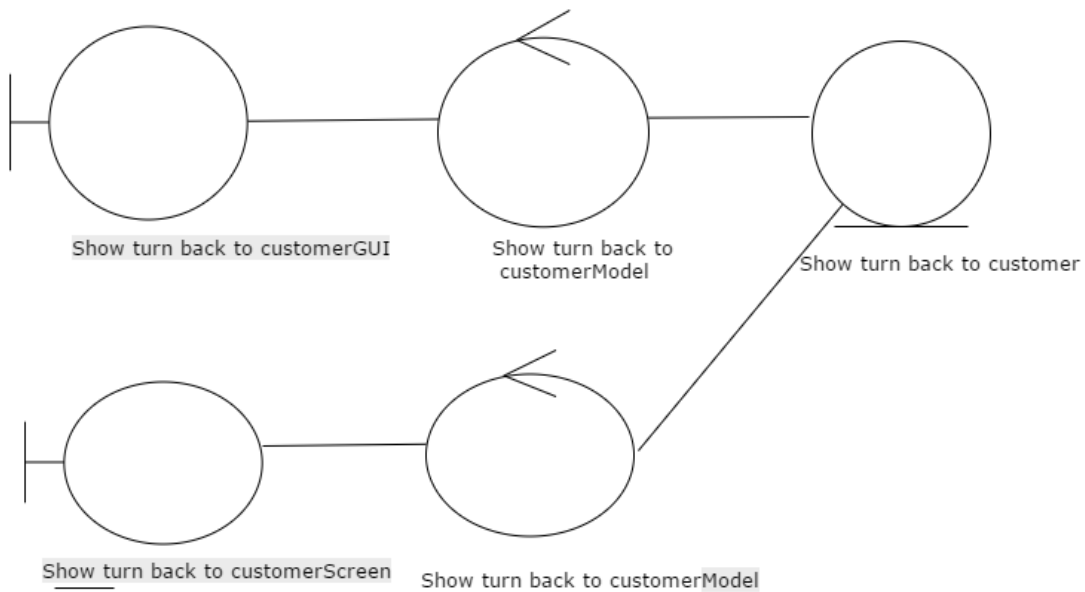
MVC Edit Phone's Generation



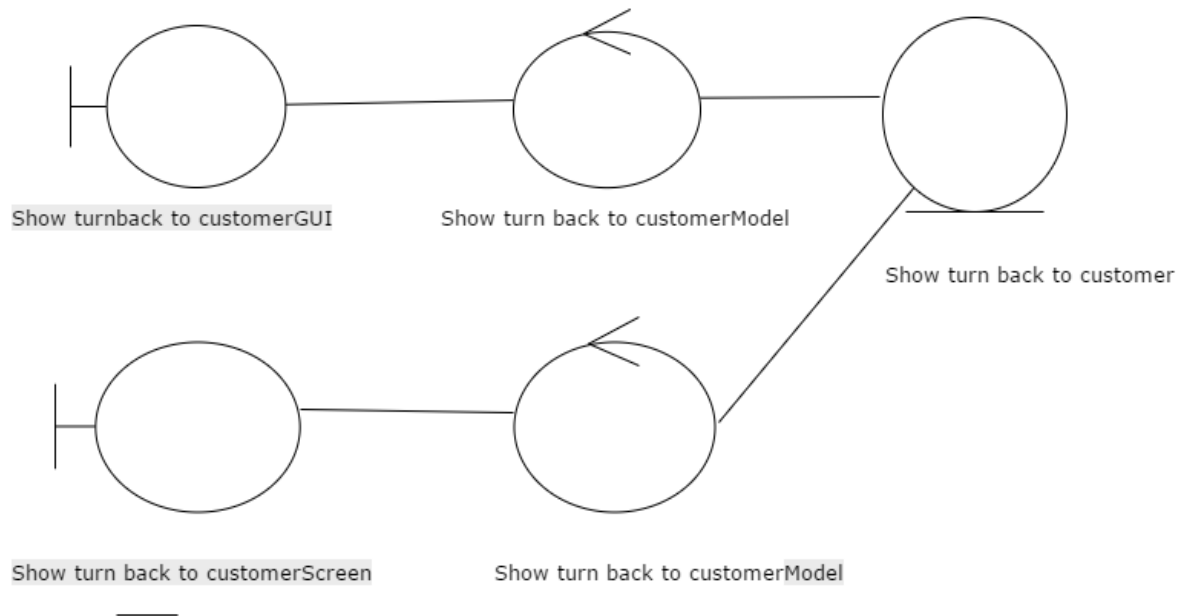
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MVC Show customer take back

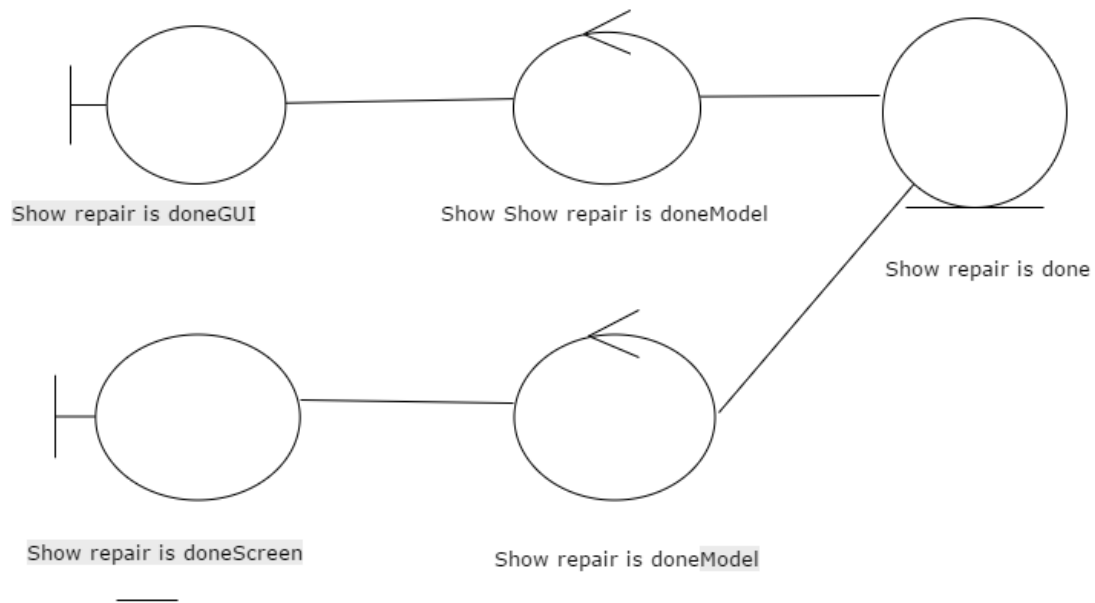
Mr.Jasadaporn Sain-Un 5730213073

MVC Show turn to customer

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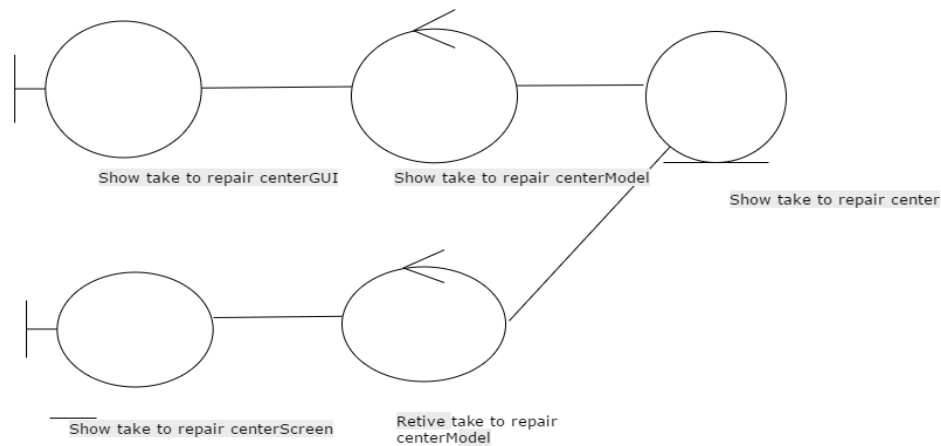
MVC Show wait for repair

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MVC Show repair is done

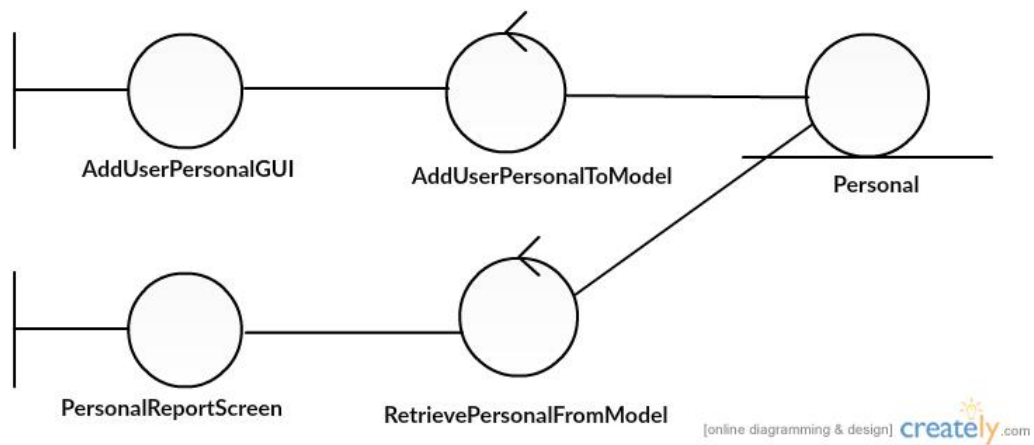
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MVC Show take to repair center

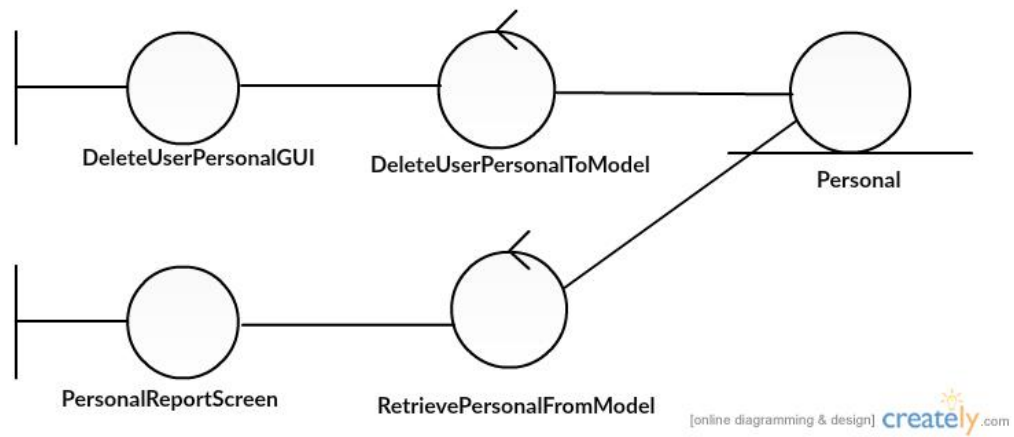


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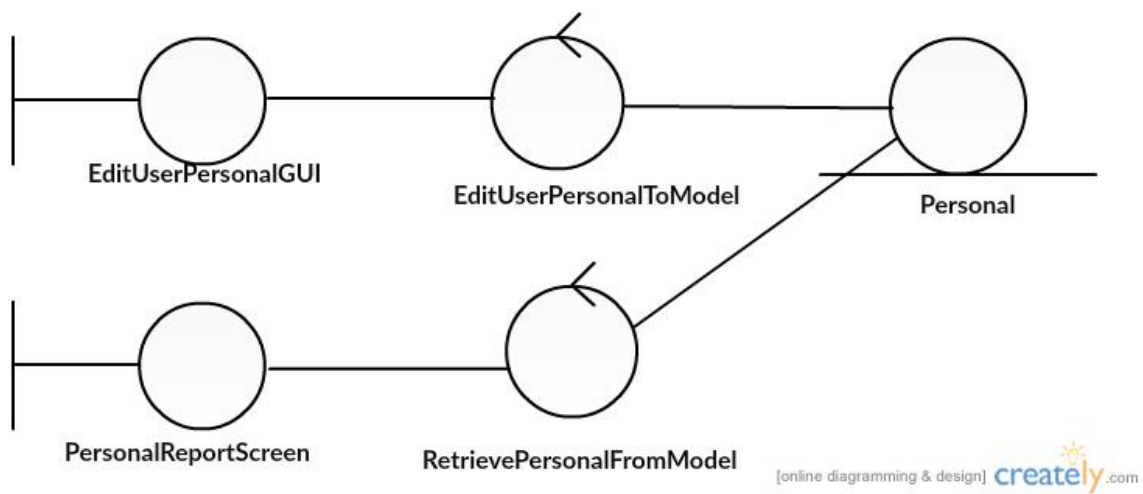
MVC Add User



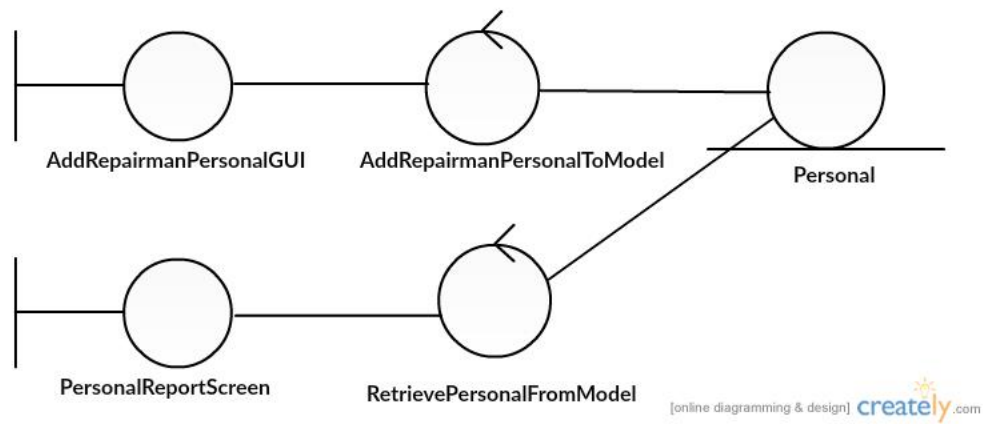
Mr.Sitta Chumklaew 5730213074

MVC Edit User

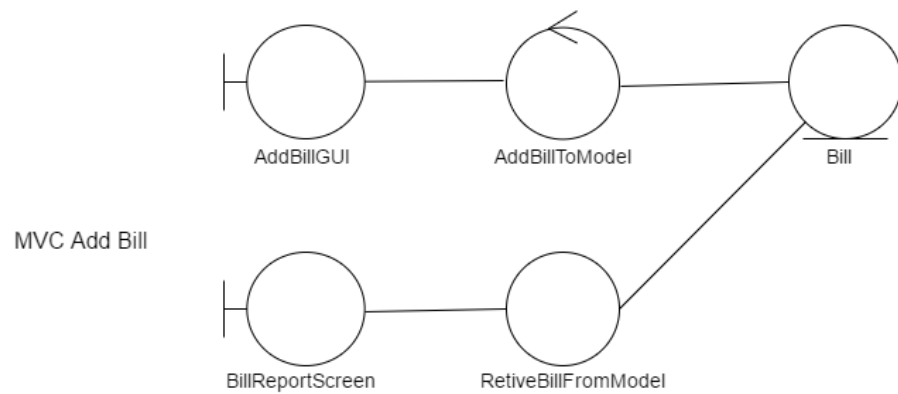
Mr.Sitta Chumklaew 5730213074

MVC Delete User

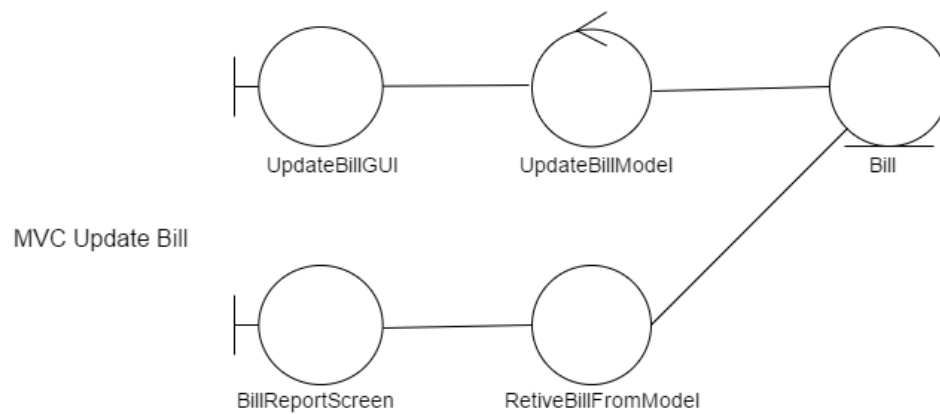
Mr.Sitta Chumklaew 5730213074

MVC Add Repairman

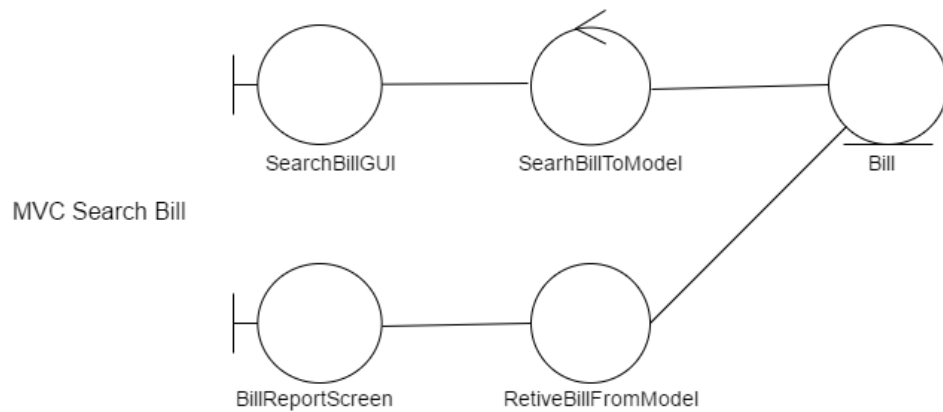
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Bill Management

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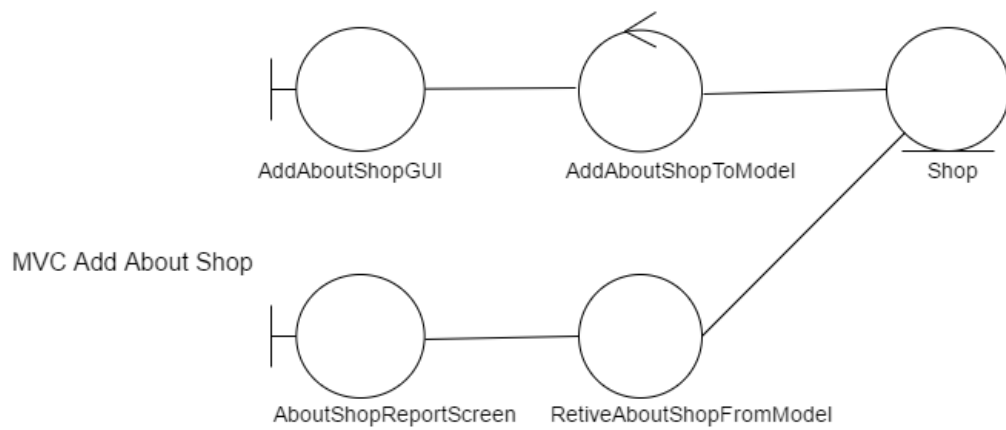


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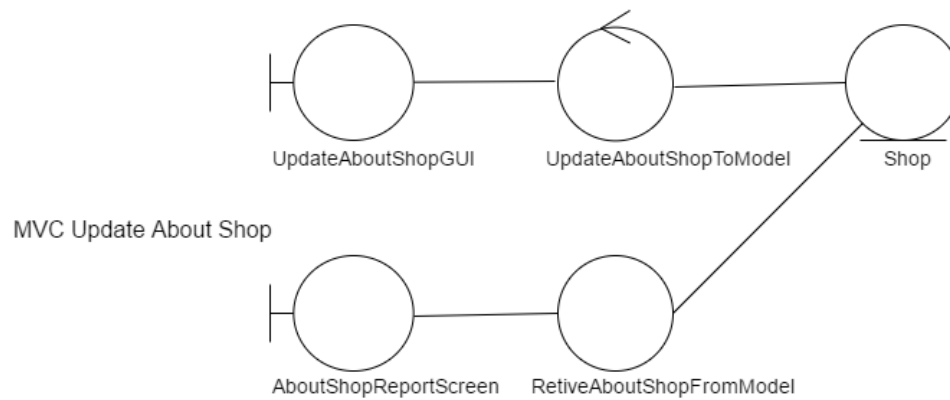


Mr.Tanawat Meechai 5730213080

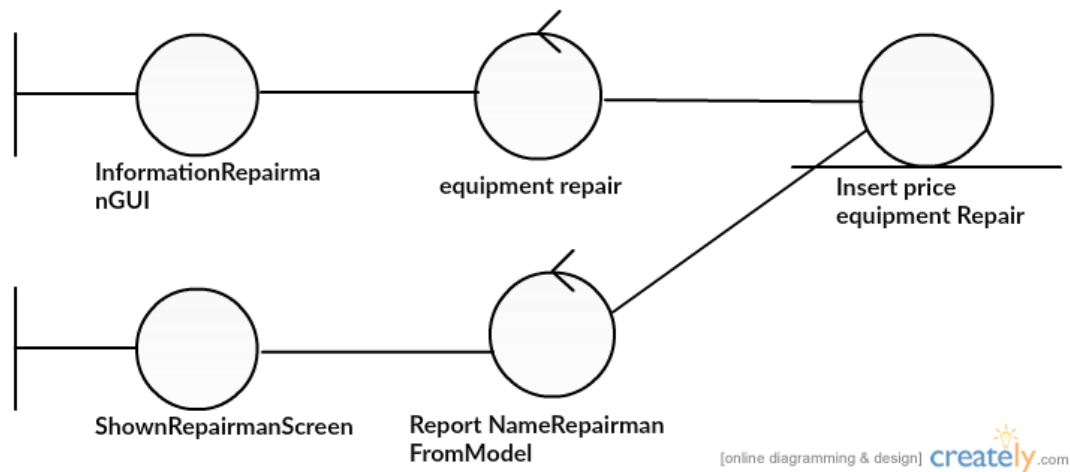
Shop Management



Mr.Tanawat Meechai 5730213080



MVC Repairman

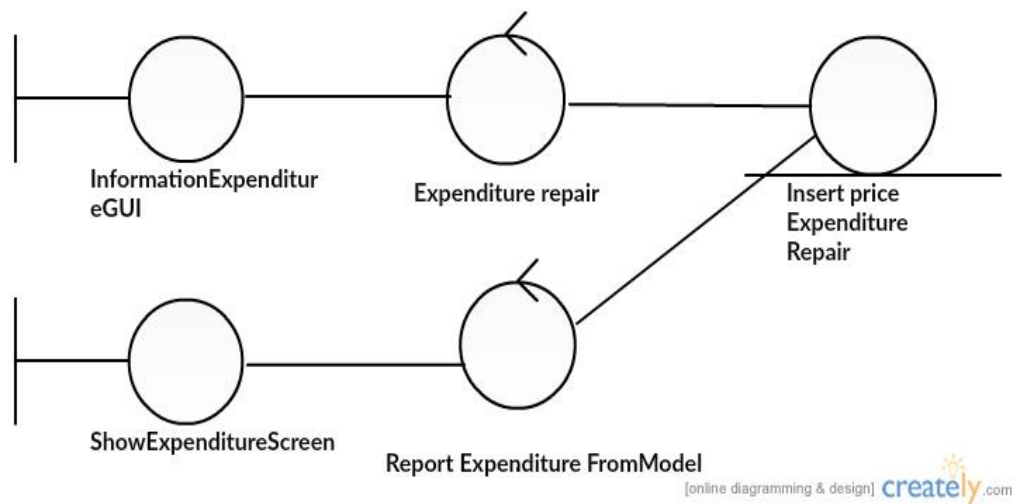


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Sommung

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MVC Expenditure

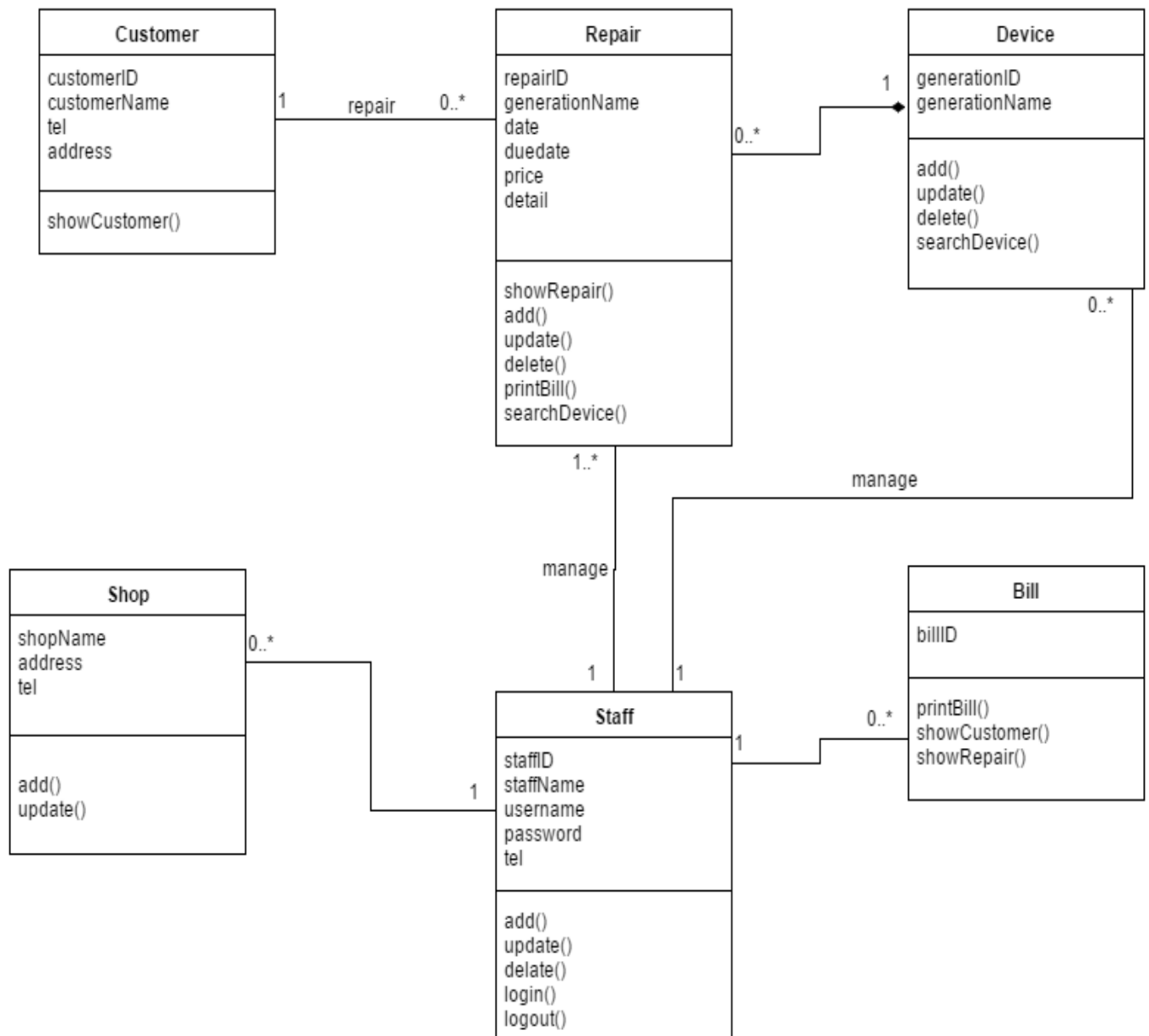


Mr.Pasin

Sommung

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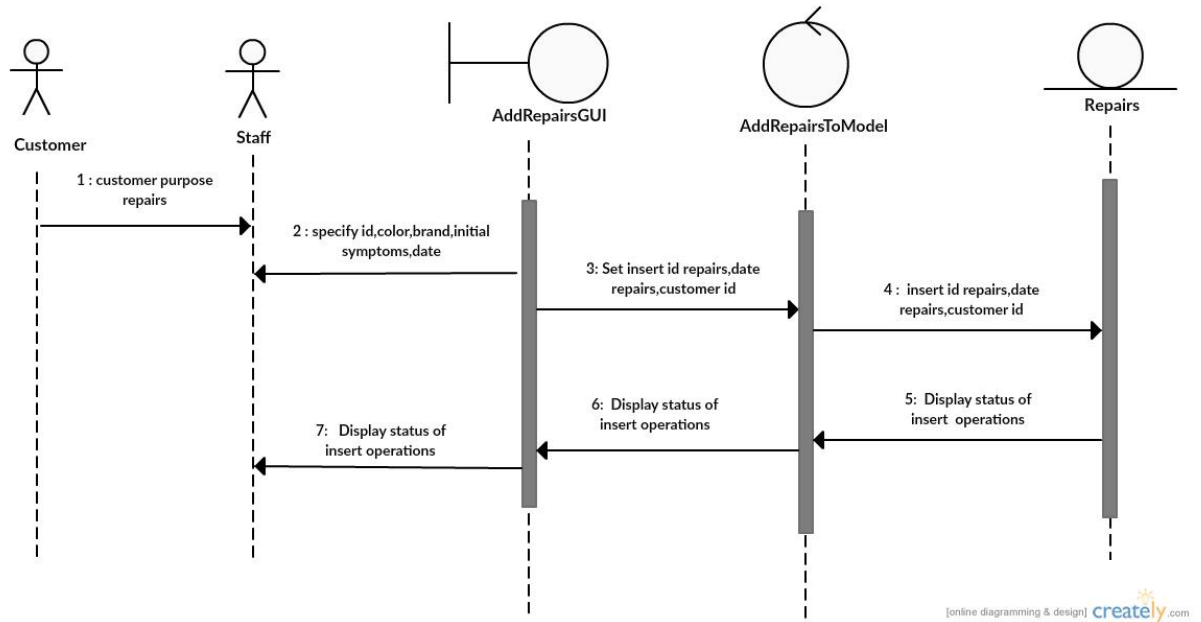
4.2 Class Diagram



5. System Behaviour Model

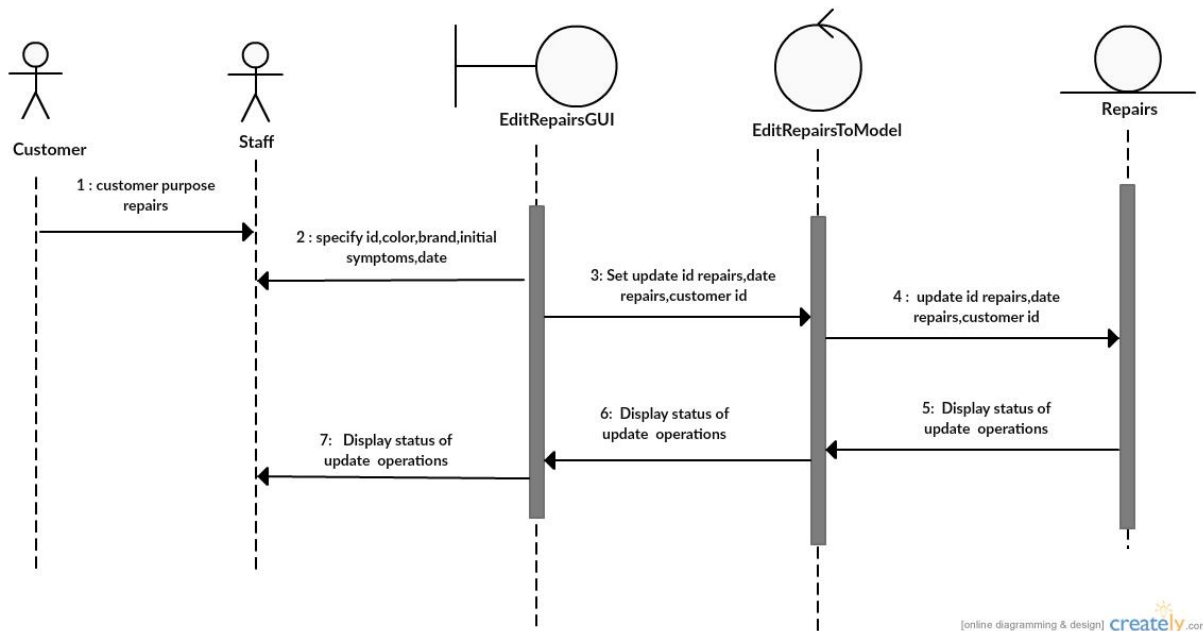
Sequence Diagram demonstrating operation “add, update, delete, bill repairs”

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



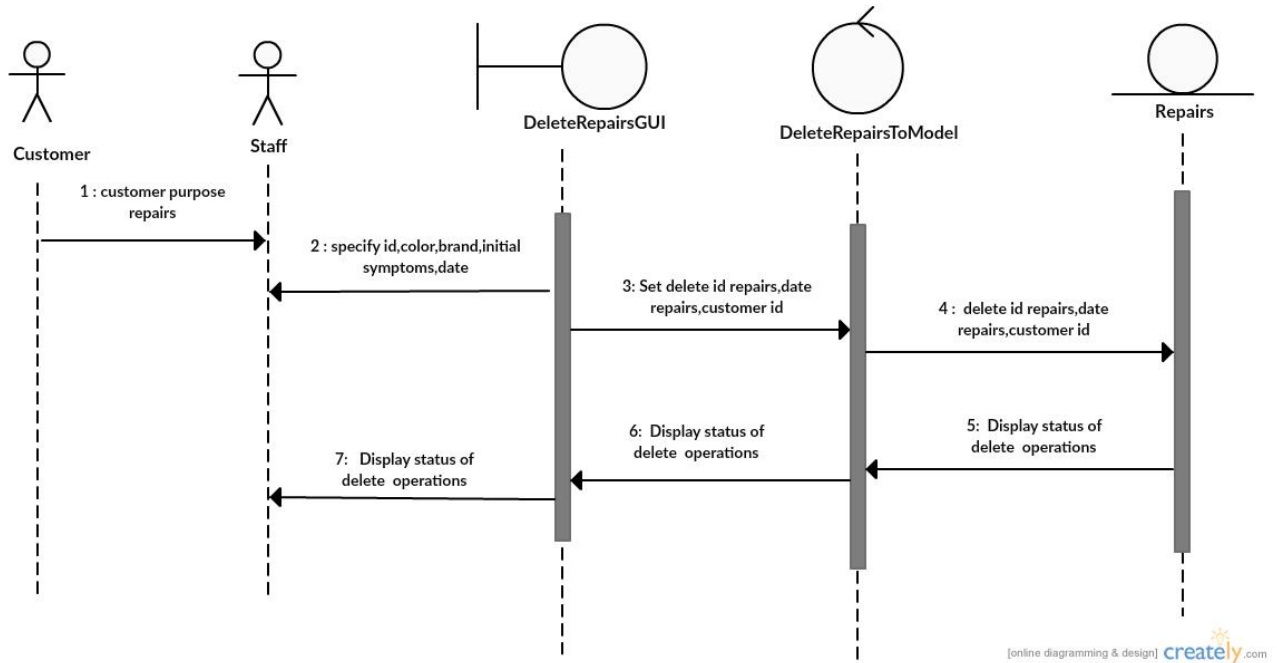
Miss Uraiwan Puekphet 5730213031

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



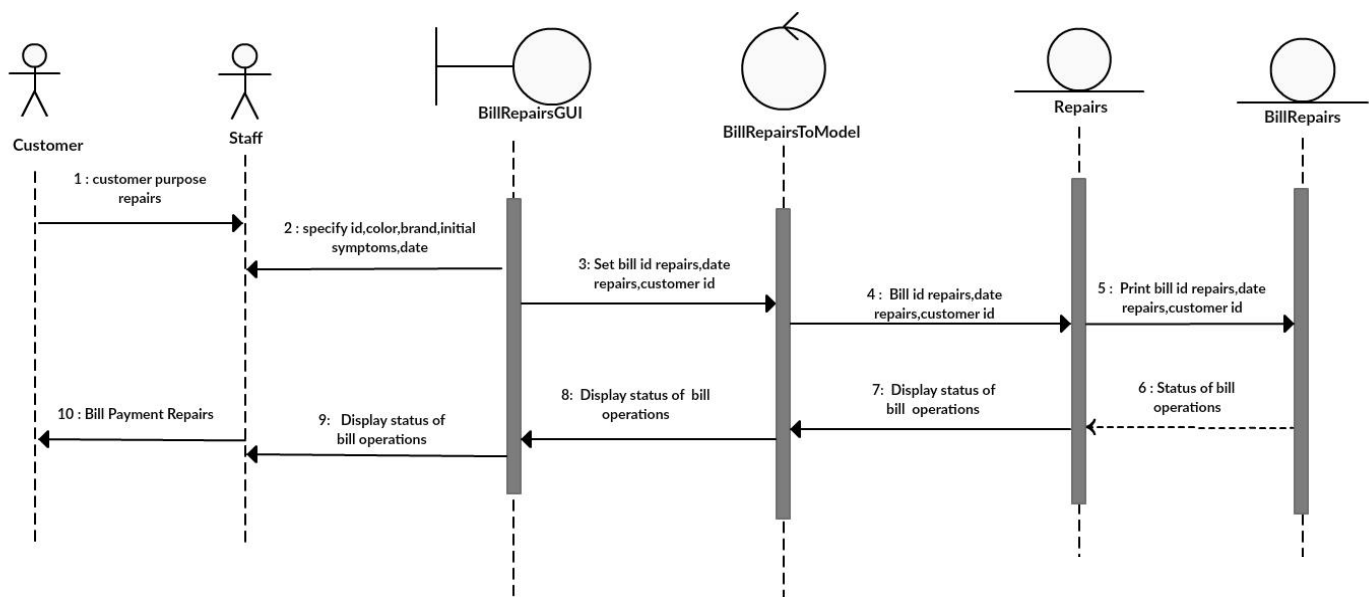
Miss Uraiwan Puekphet 5730213031

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



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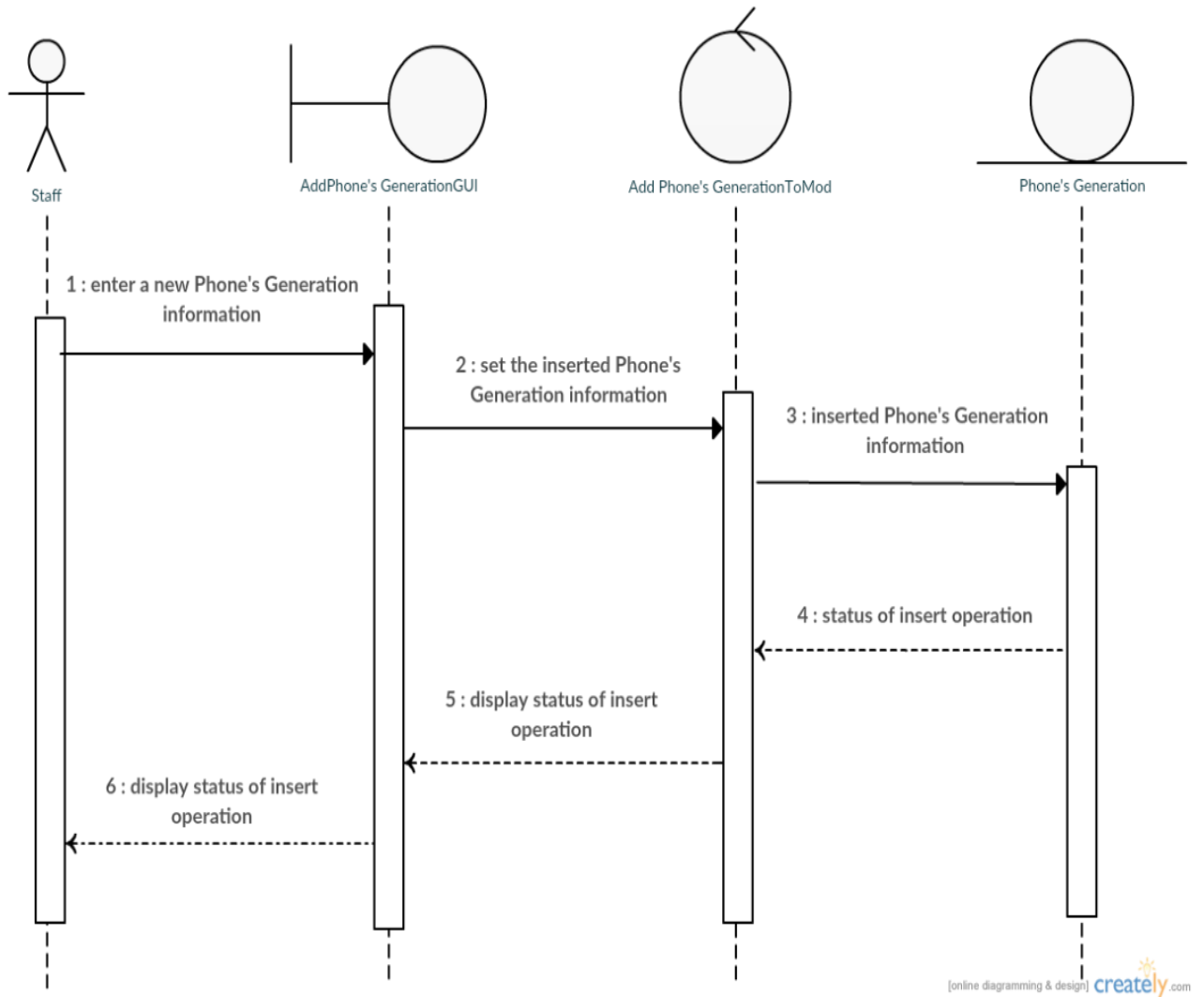
- This diagram describes the system scenario of “UC114:Bill Repairs”



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

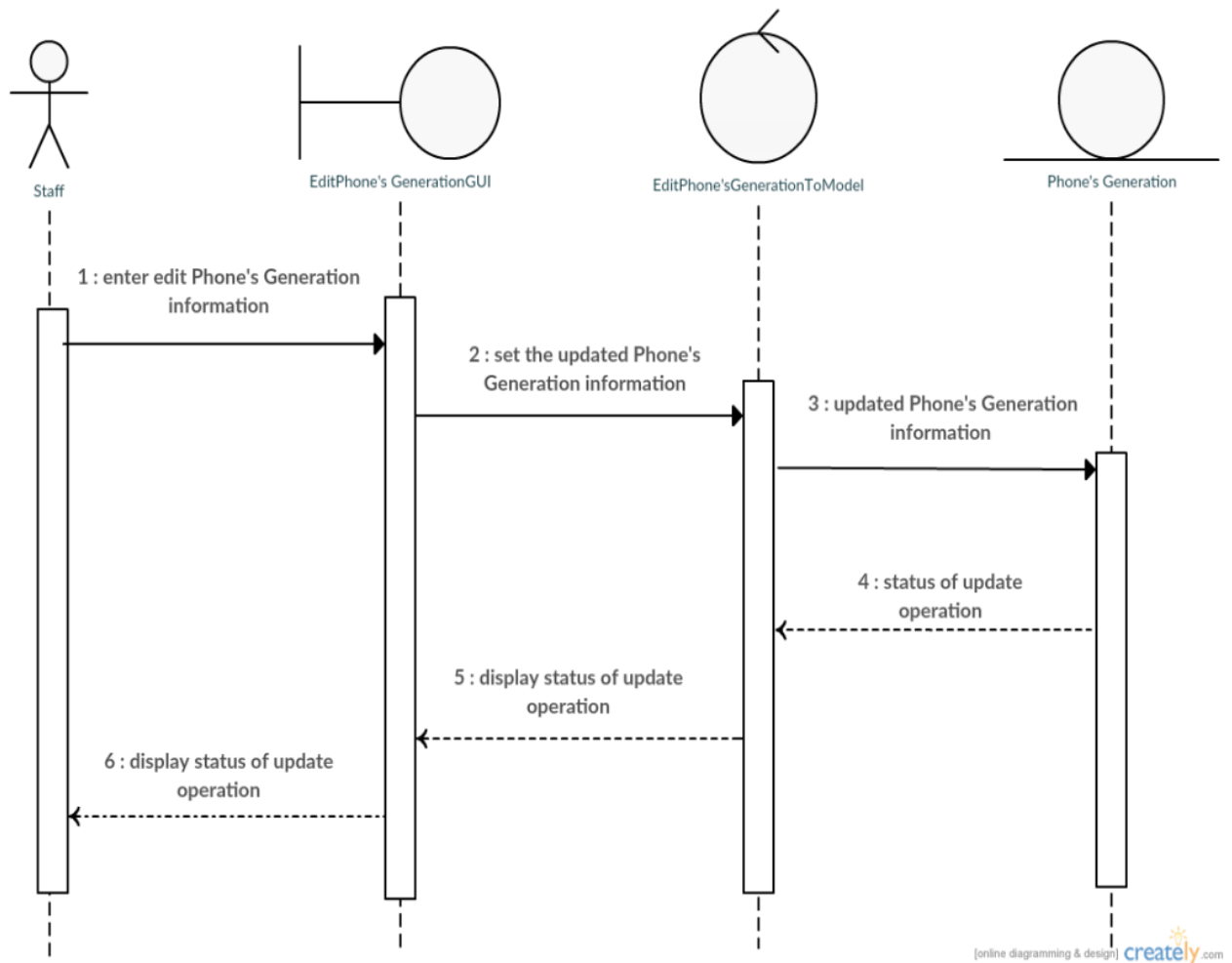
- This diagram describes the system scenario of “UC211: Add new Phone’s Generation”



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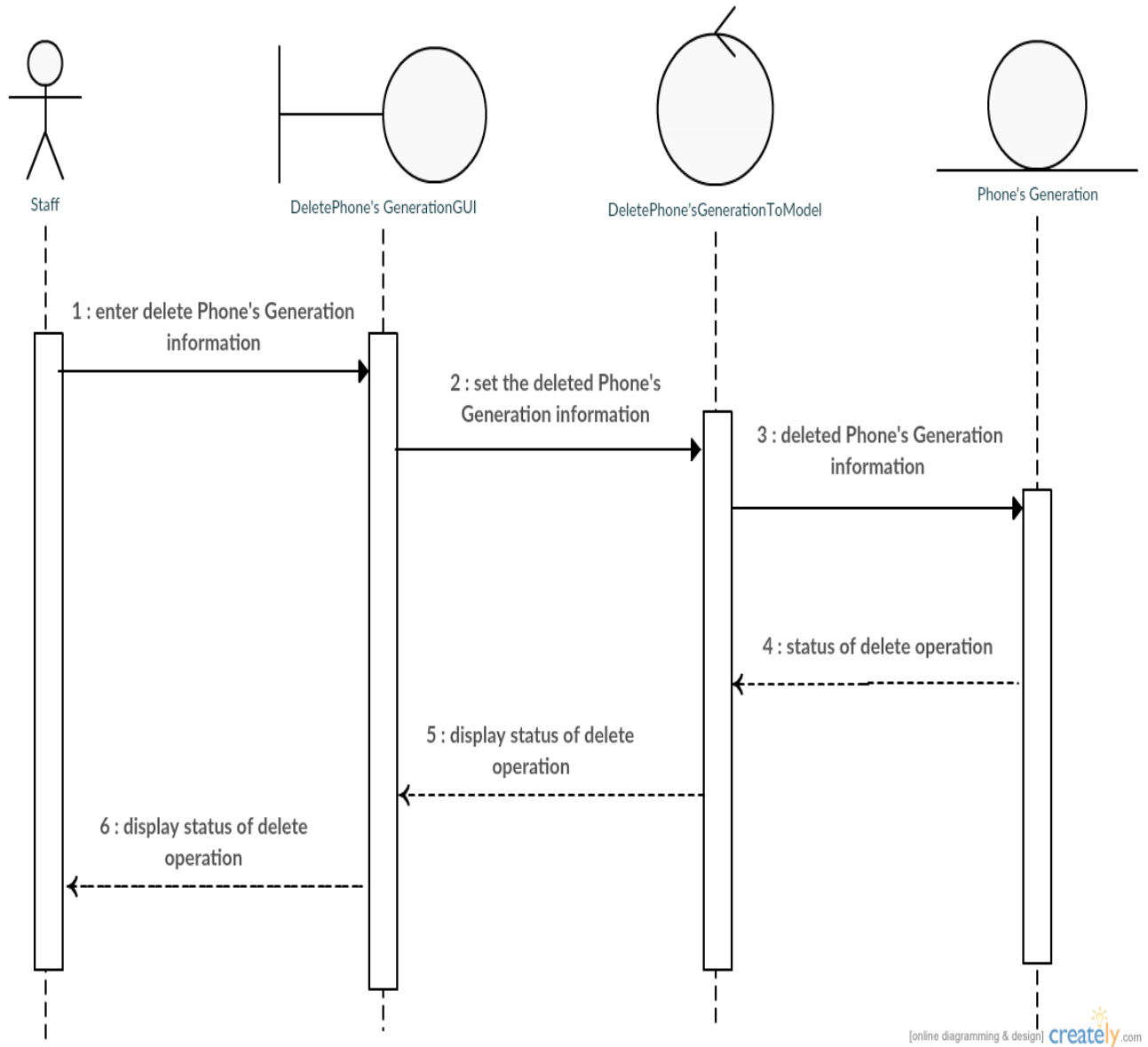
Sequence Diagram demonstrating operation “update Phone’s Generation”

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



Sequence Diagram demonstrating operation “delete Phone’s Generation”

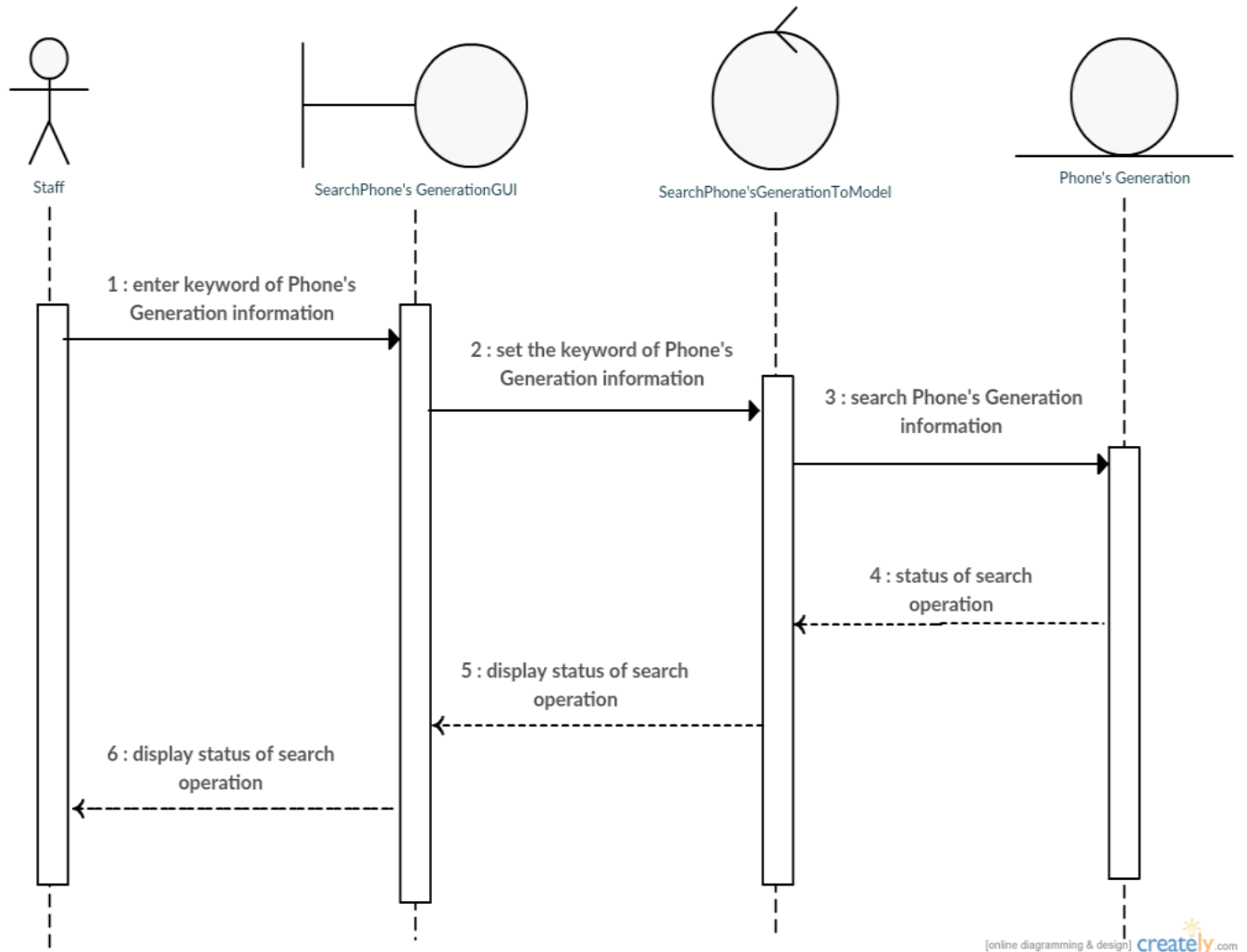
- This diagram describes the system scenario of “UC213: Delete Phone’s Generation”



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Sequence Diagram demonstrating operation “search Phone’s Generation”

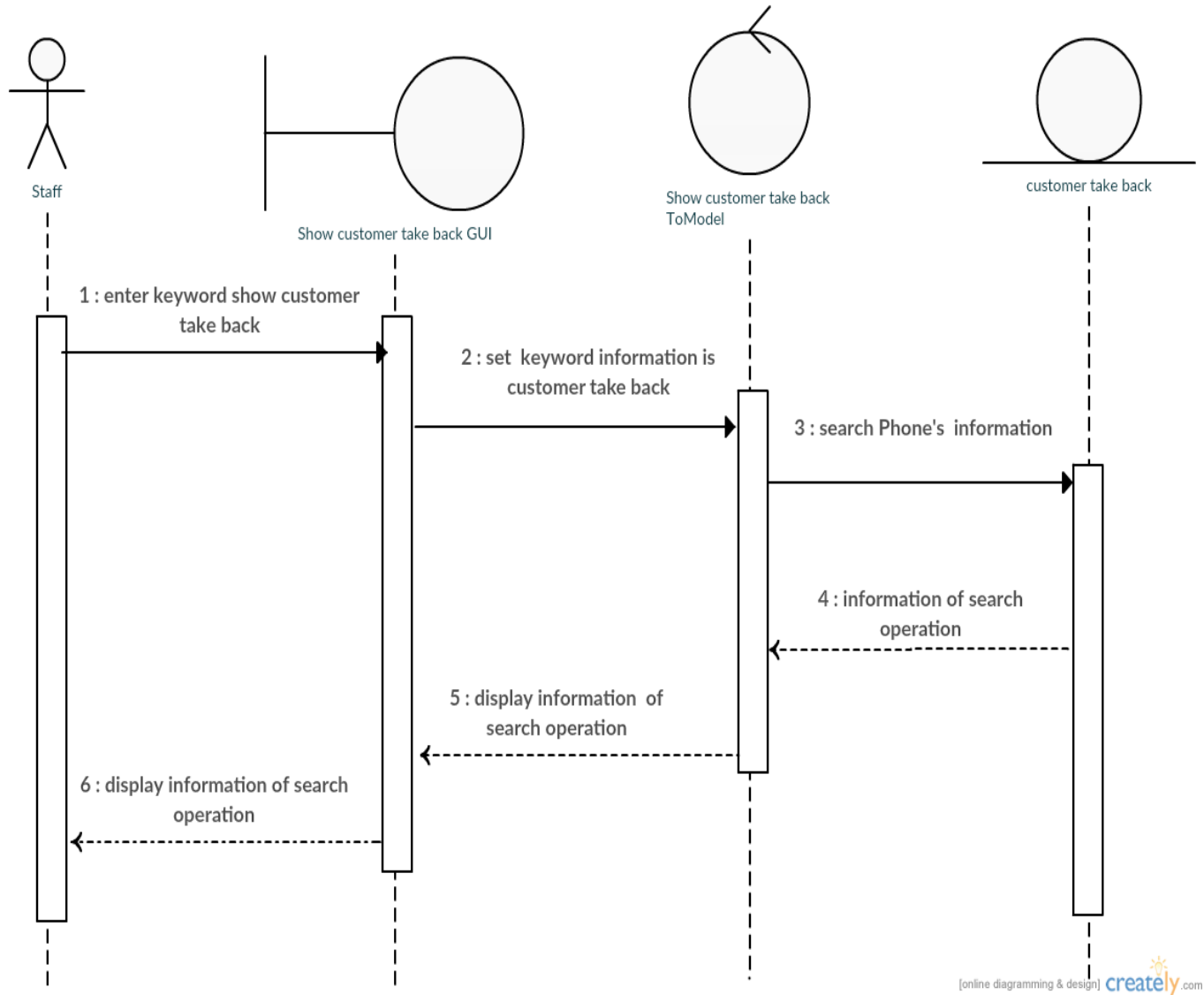
- This diagram describes the system scenario of “UC214: Search Phone’s Generation”



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Sequence Diagram demonstrating operation “show customer take back”

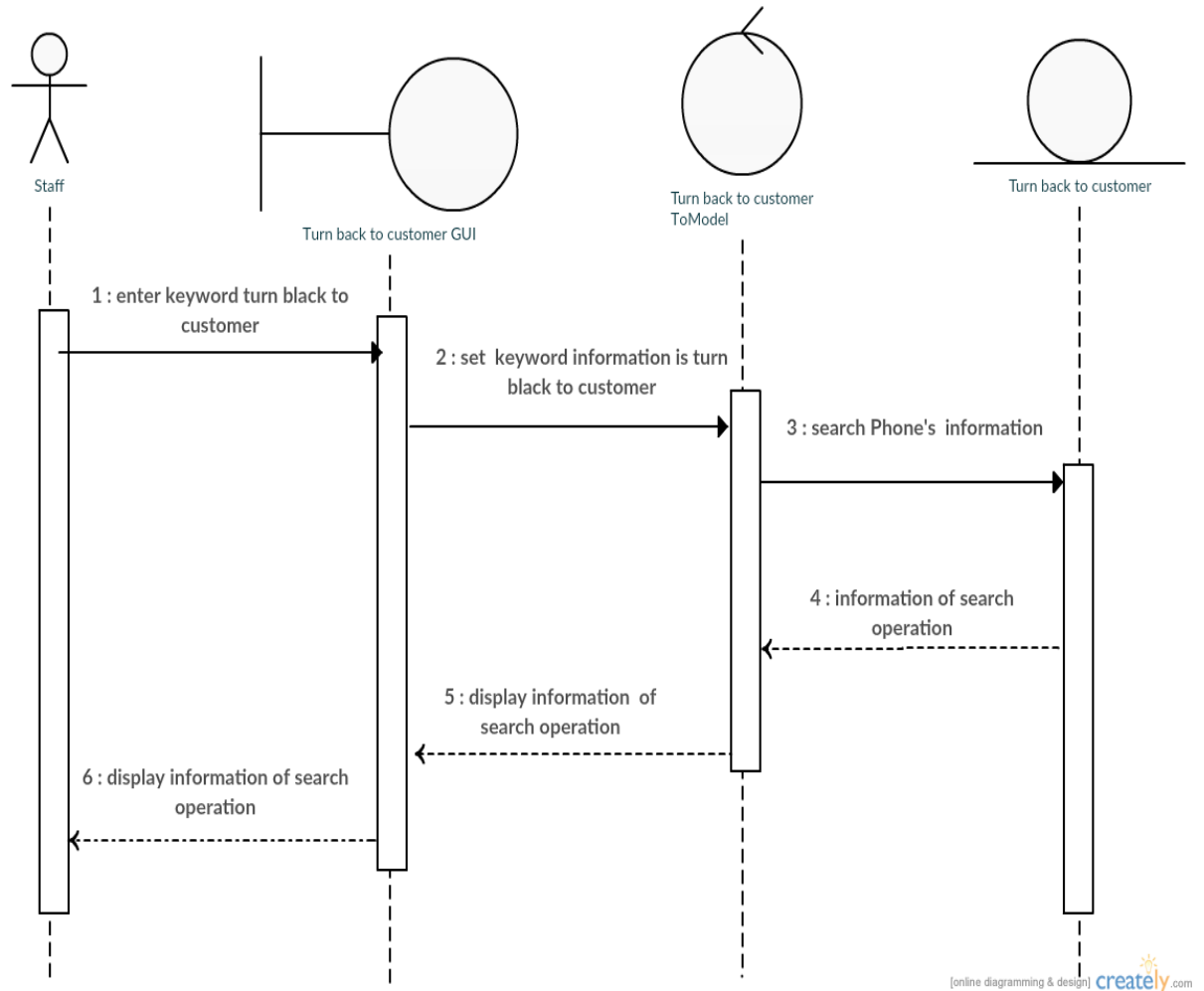
- This diagram describes the system scenario of “UC311: show customer take back”



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Sequence Diagram demonstrating operation “turn back to customer”

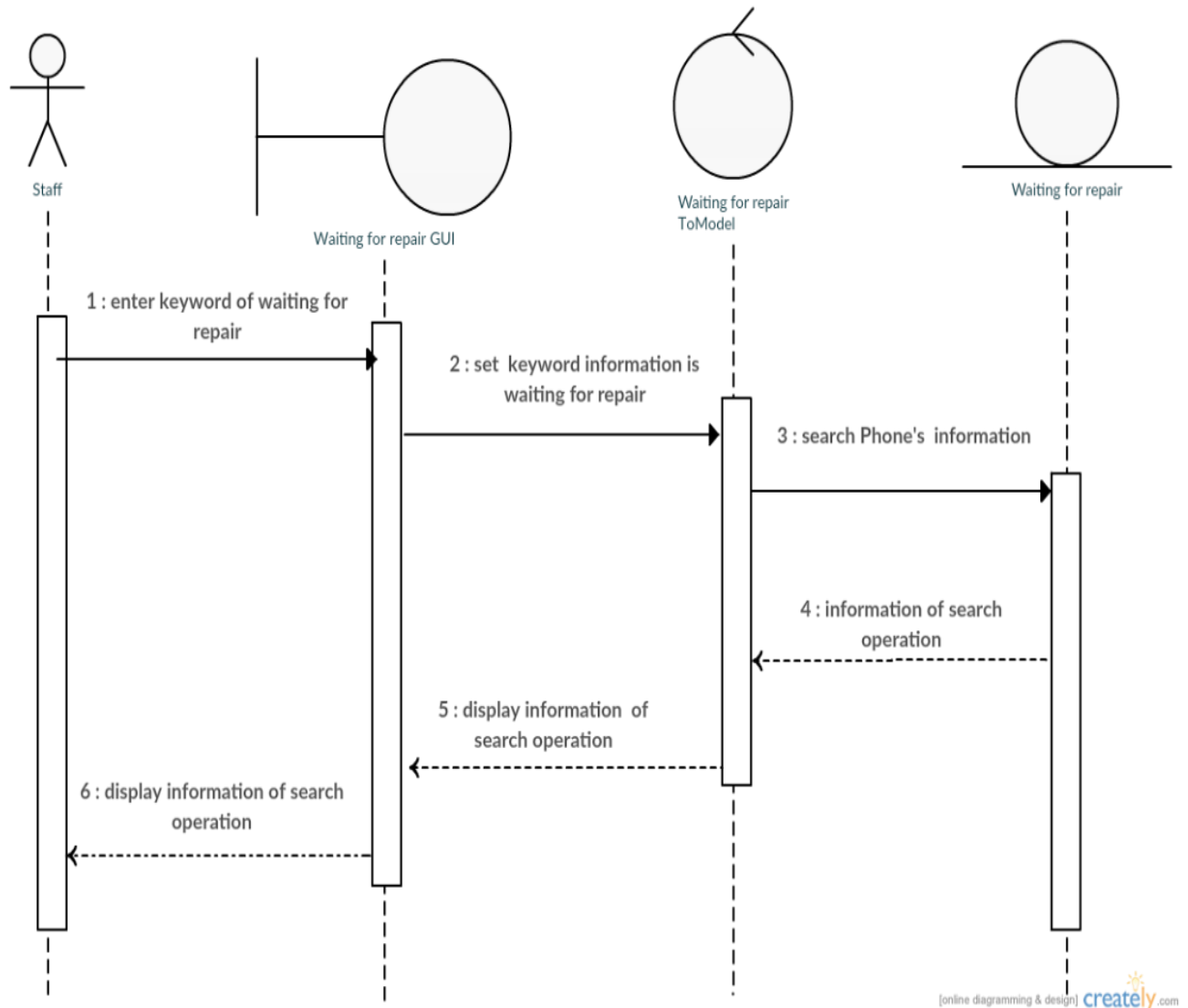
- This diagram describes the system scenario of “UC312: turn back to customer”



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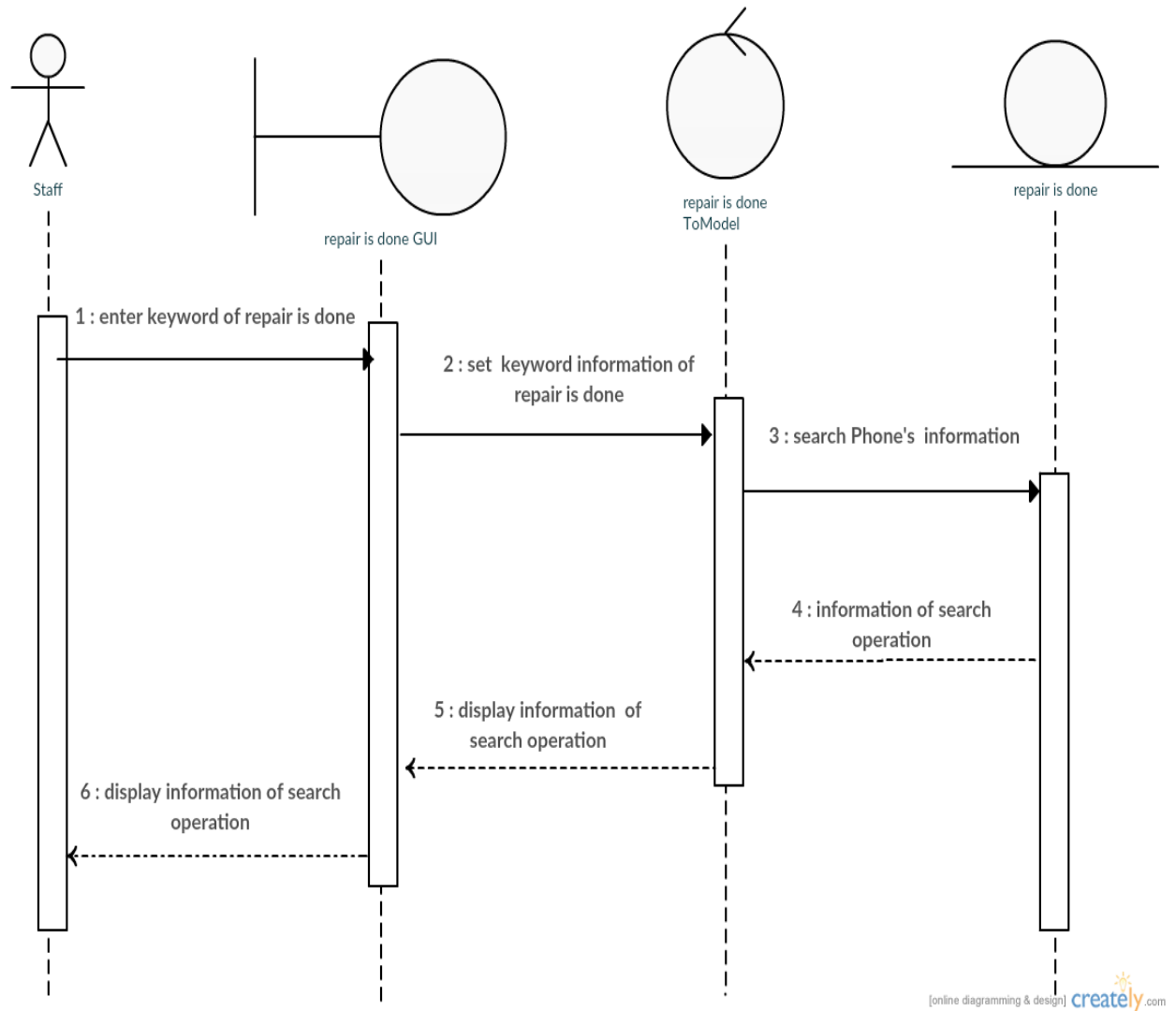
Sequence Diagram demonstrating operation “waiting for repair”

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



Sequence Diagram demonstrating operation “repair is done”

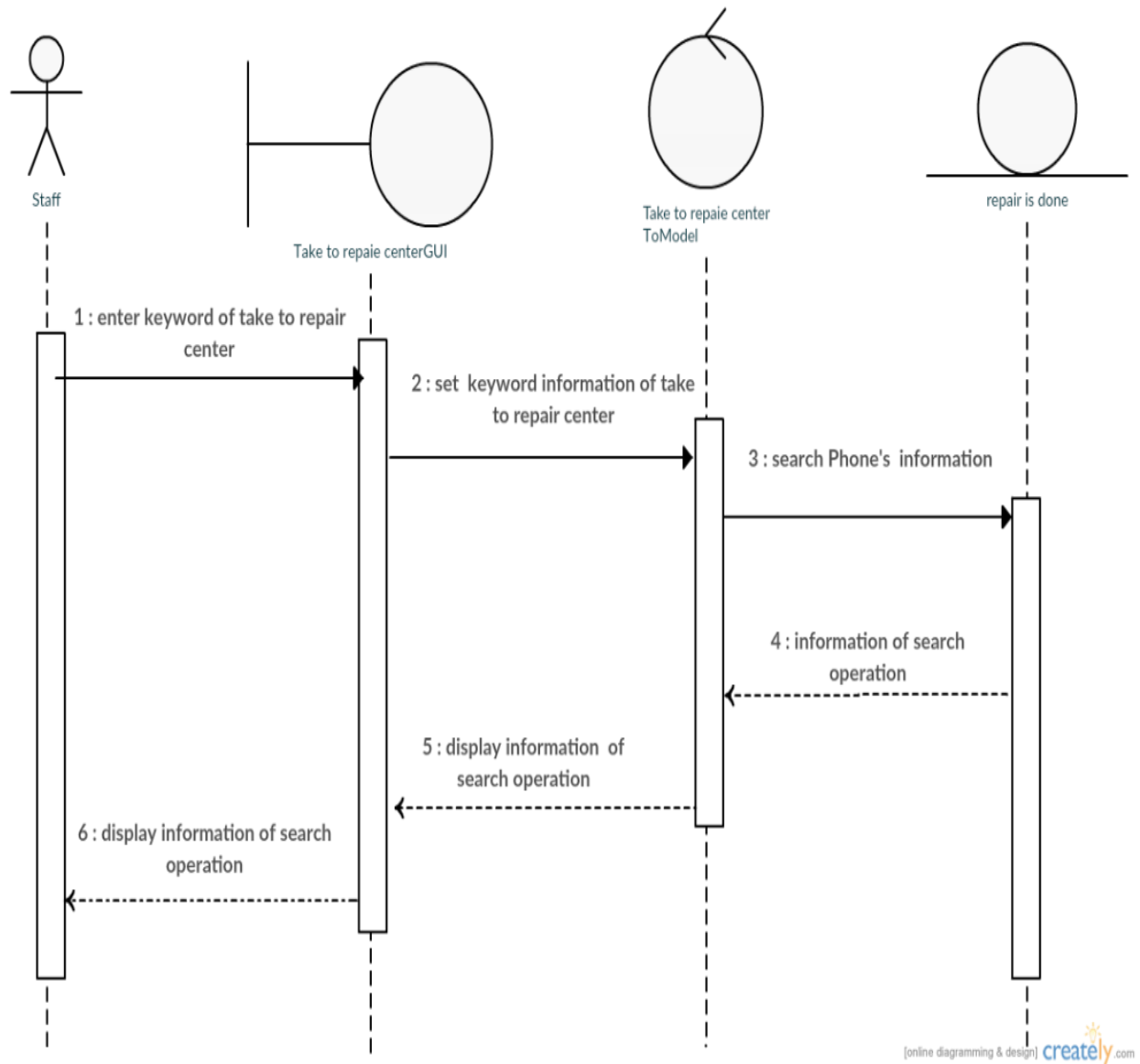
- This diagram describes the system scenario of “UC314: repair is done”



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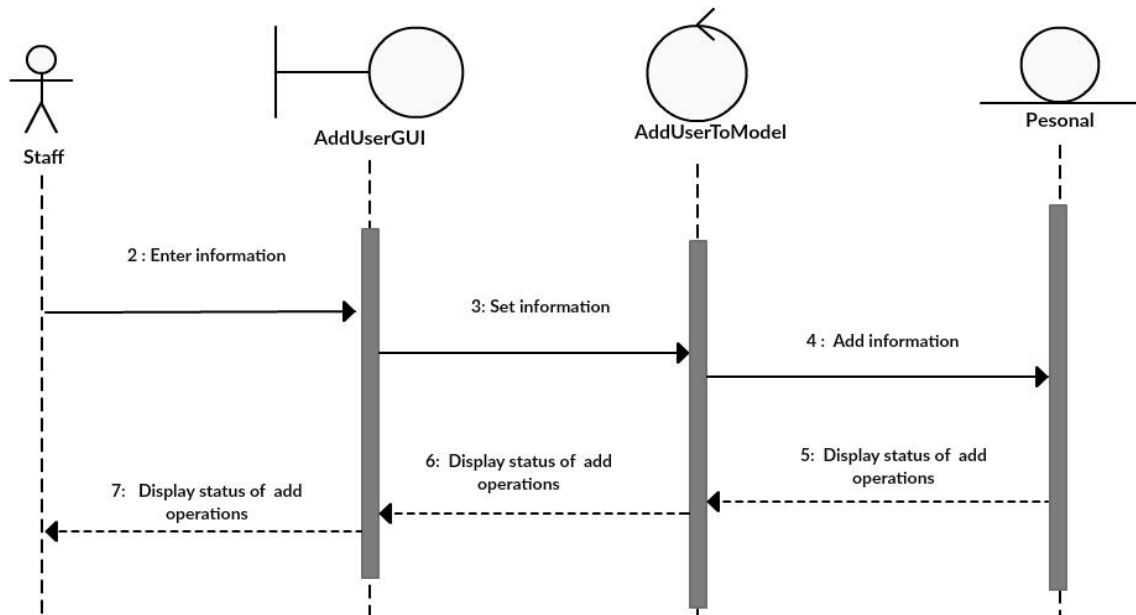
Sequence Diagram demonstrating operation “Take to repair canter”

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



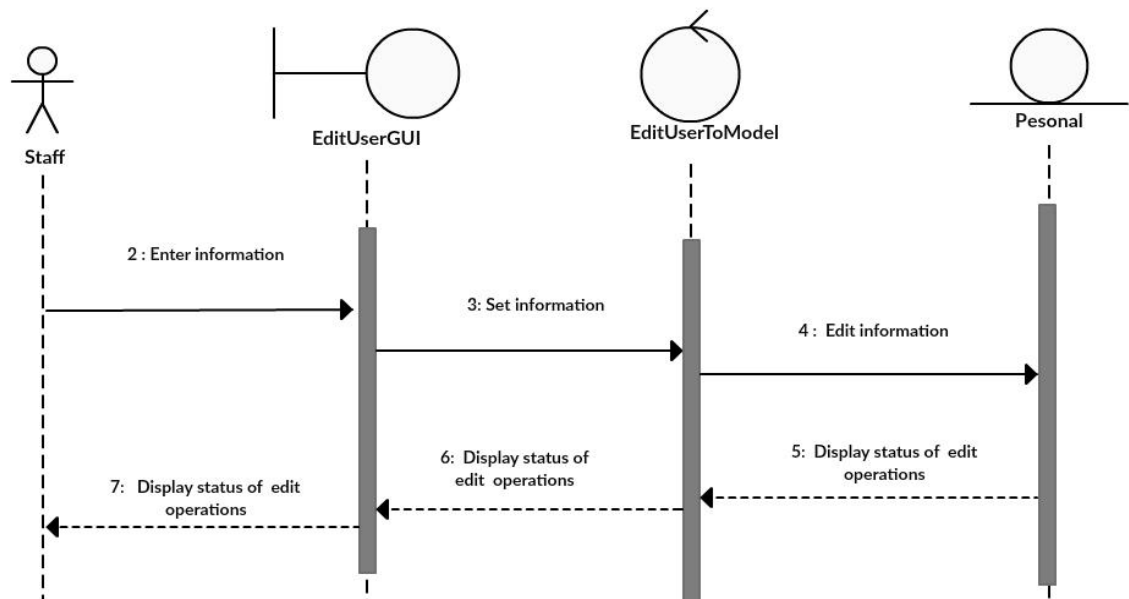
Sequence Diagram demonstrating operation “Add User, Edit User, Delete User, Add repairman”

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



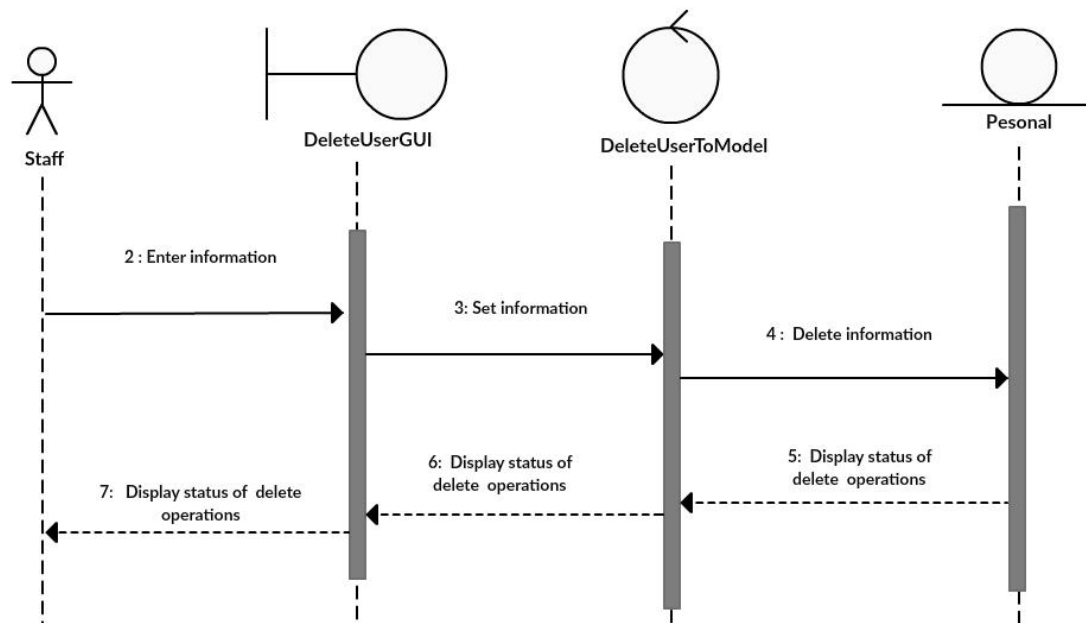
Mr.Sitta Chumklaew 5730213074

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



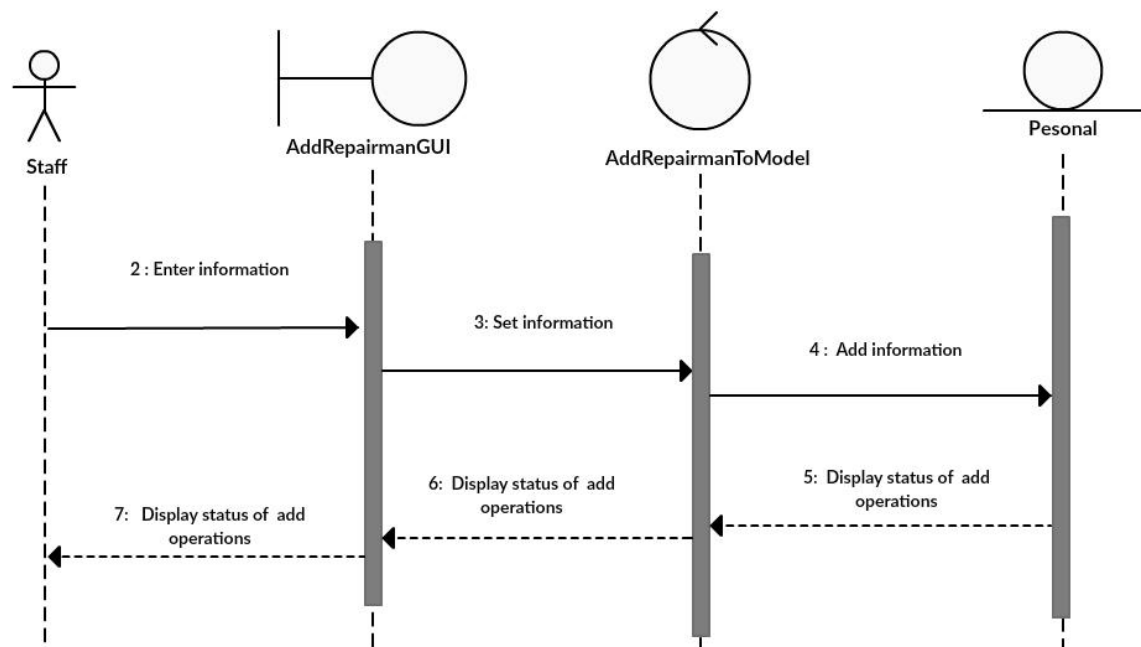
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- This diagram describes the system scenario of “UC413:Delete User”



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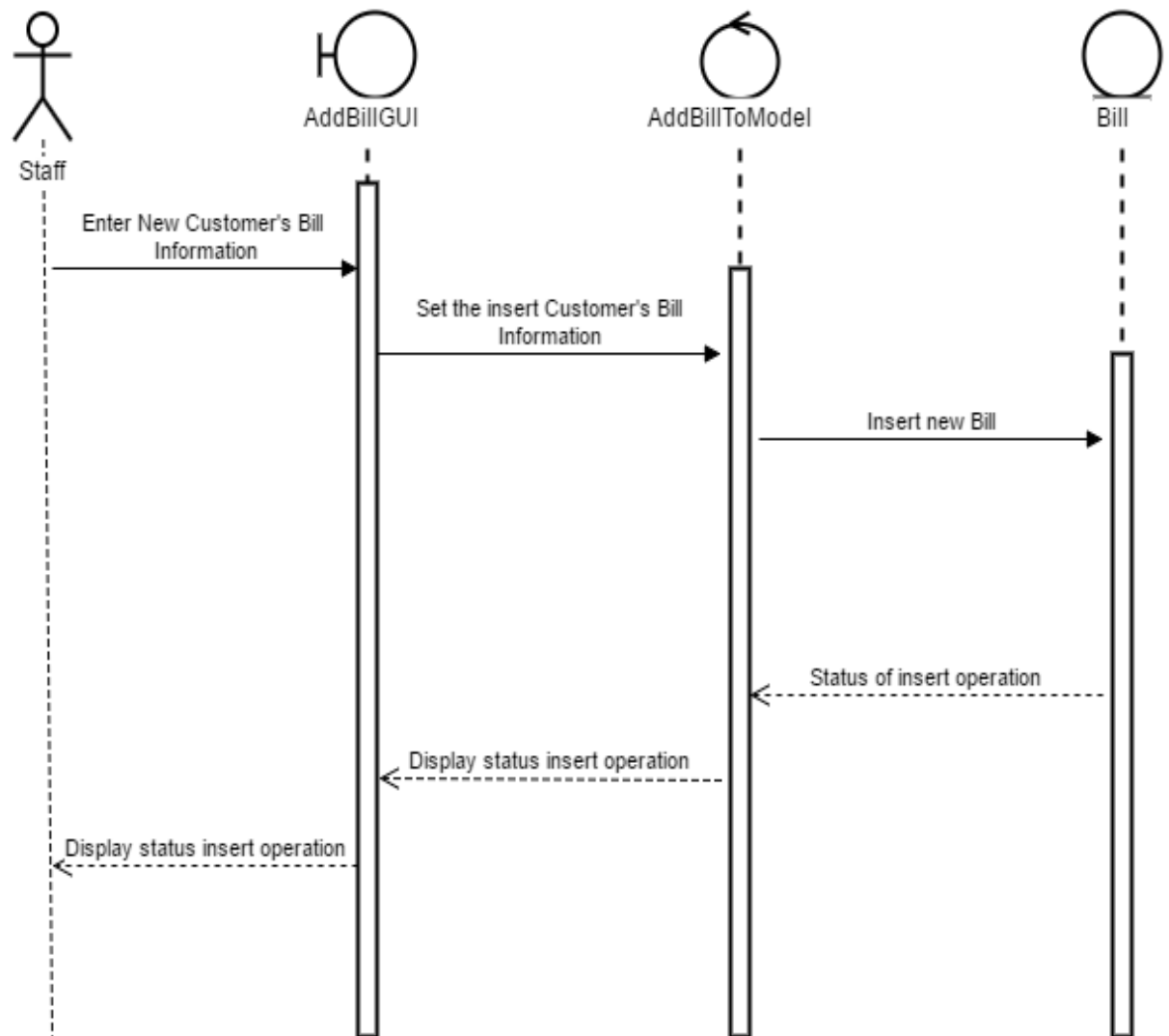
- This diagram describes the system scenario of “UC414:Bill Repairs”



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Sequence Diagram demonstrating operation “add Bill”

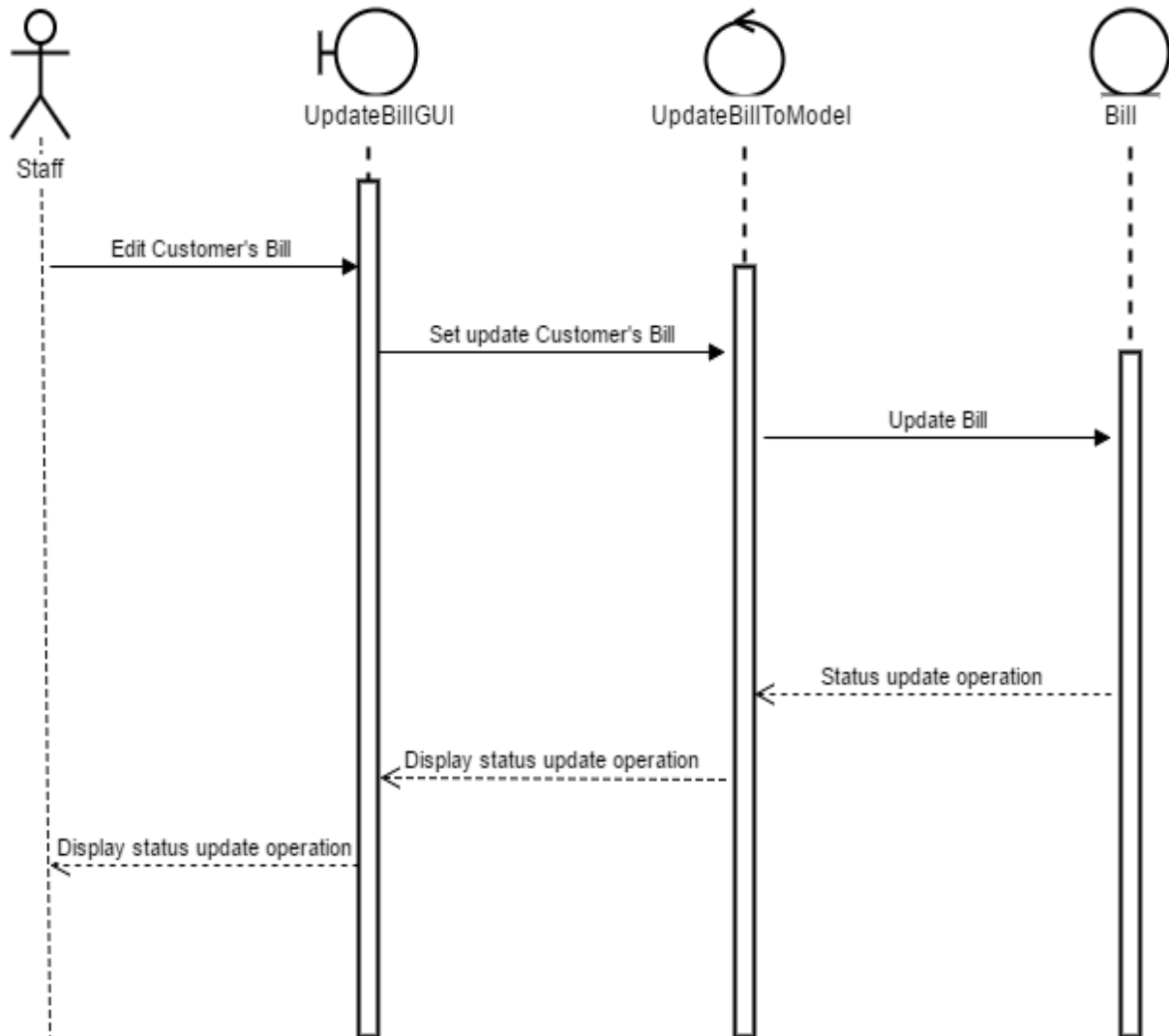
- This diagram describes the system scenario of “UC511: Add Bill”



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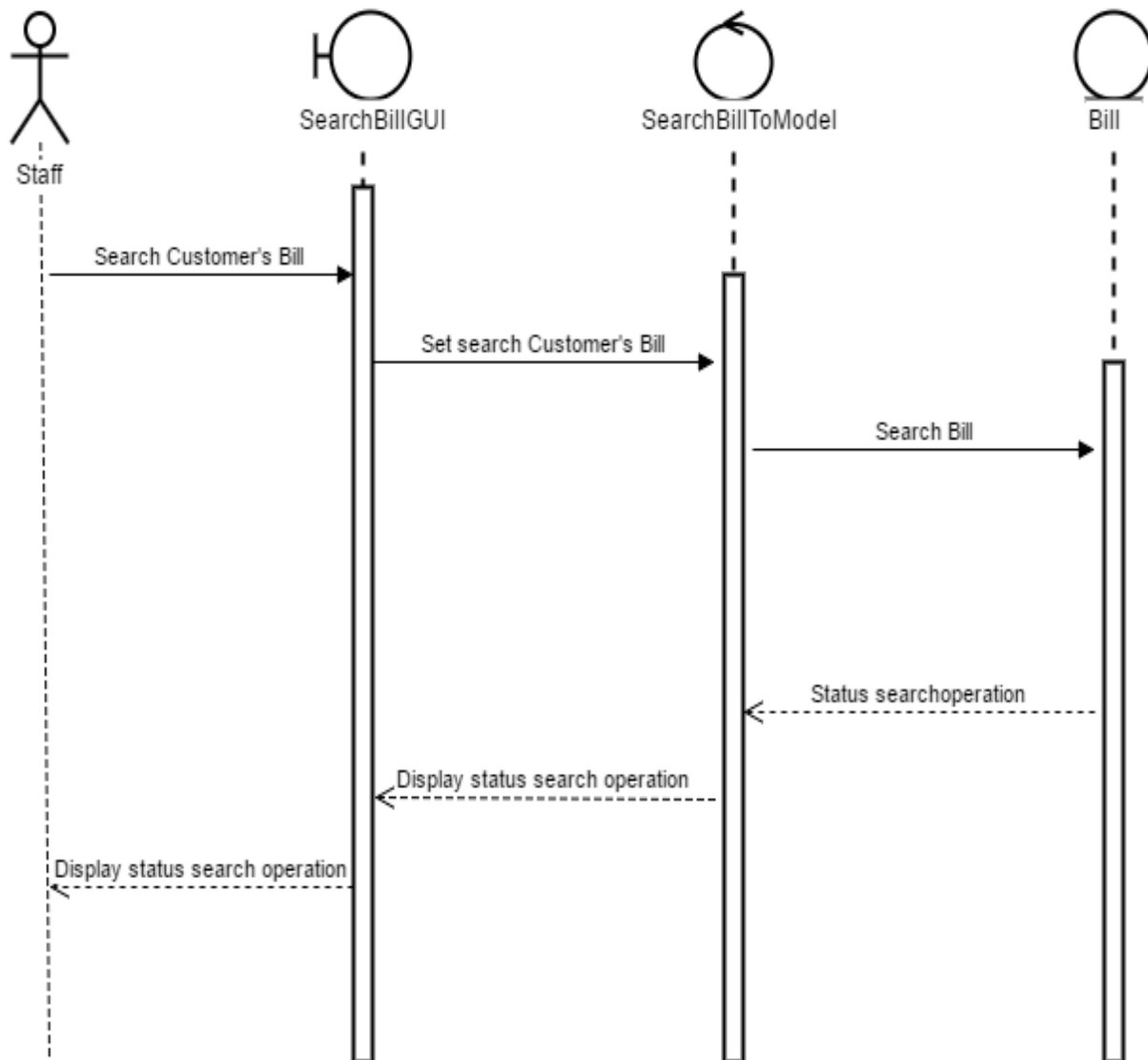
Sequence Diagram demonstrating operation “Update Bill”

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



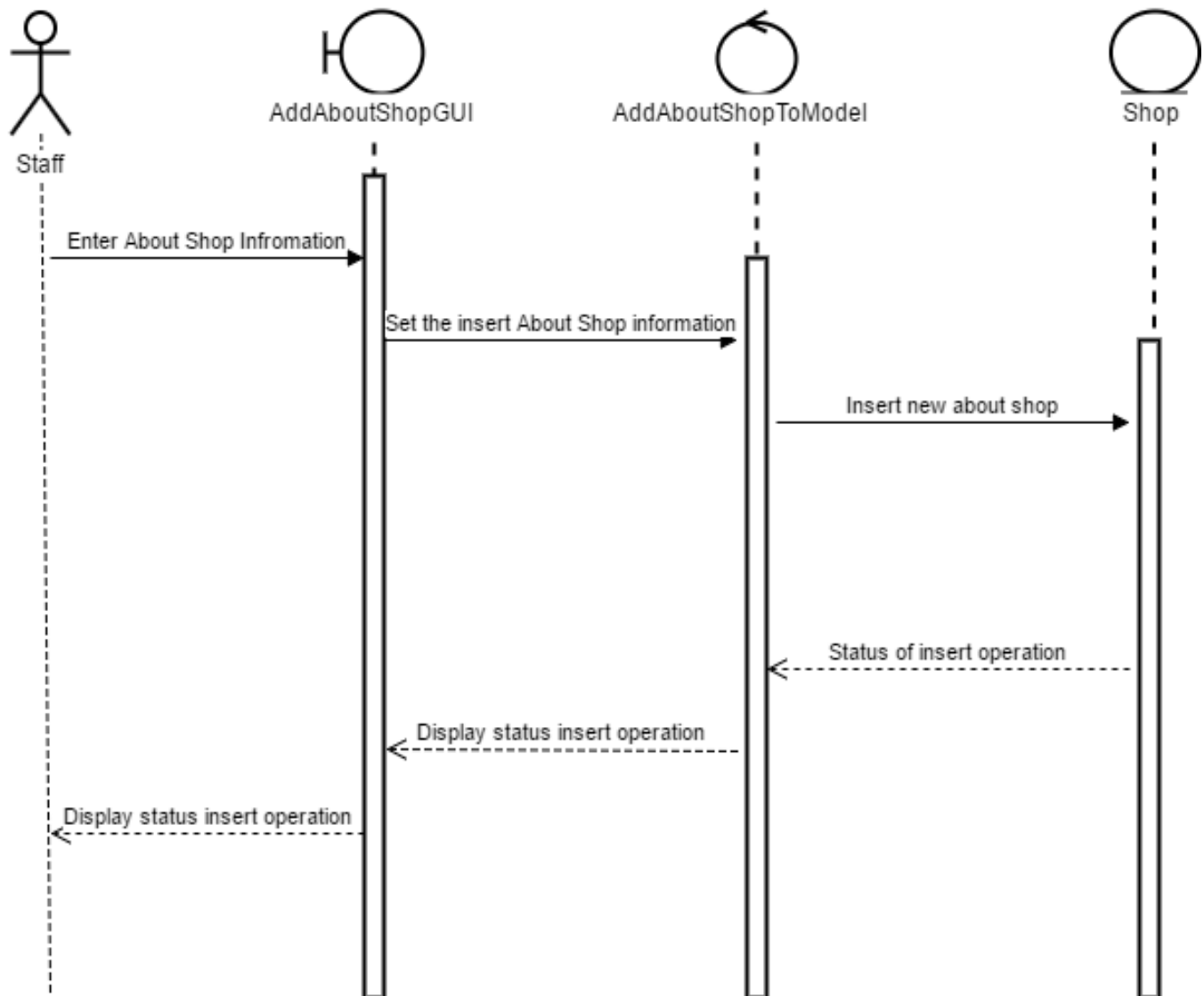
Sequence Diagram demonstrating operation “Search Bill”

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



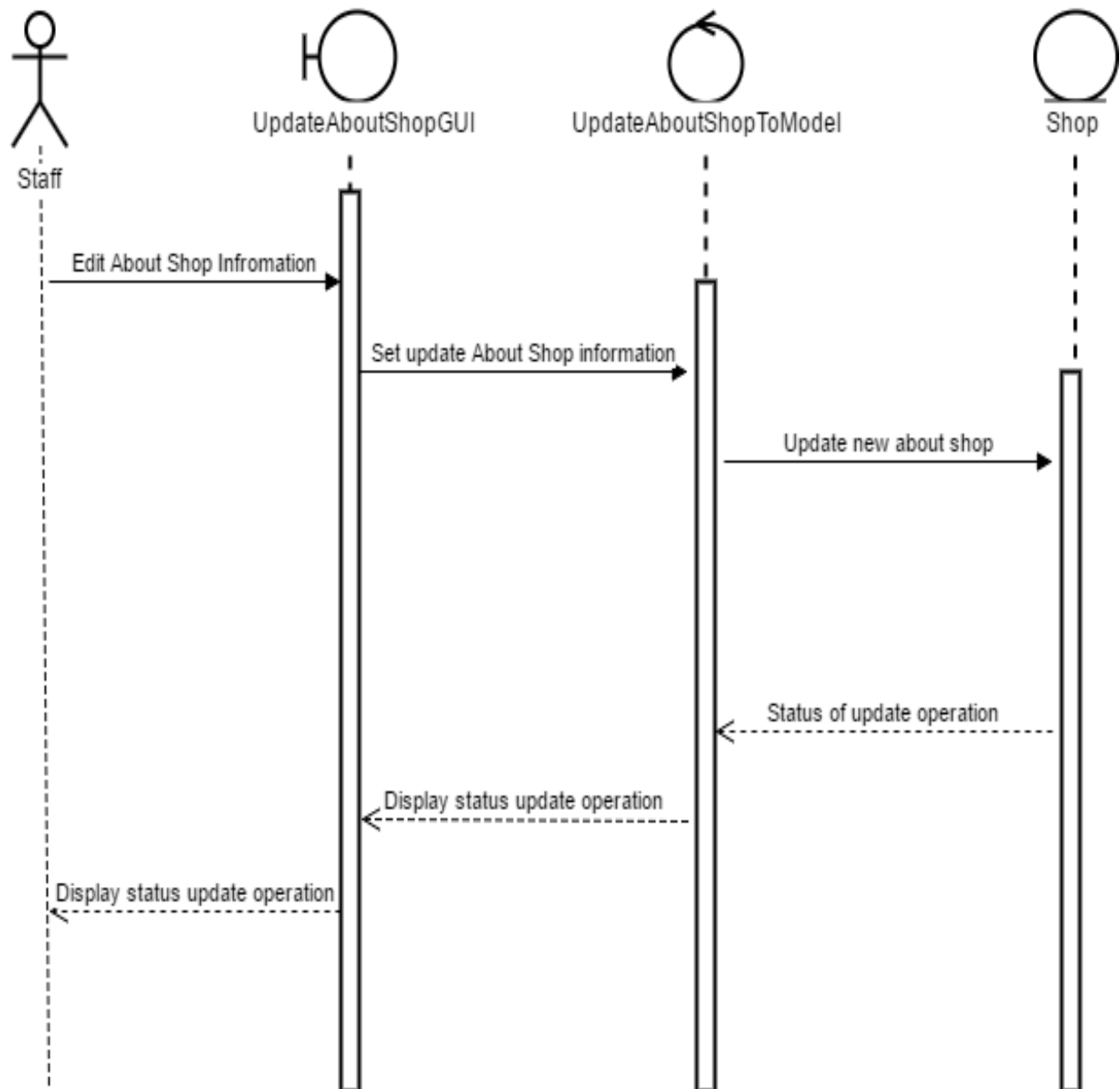
Sequence Diagram demonstrating operation “Add About Shop”

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



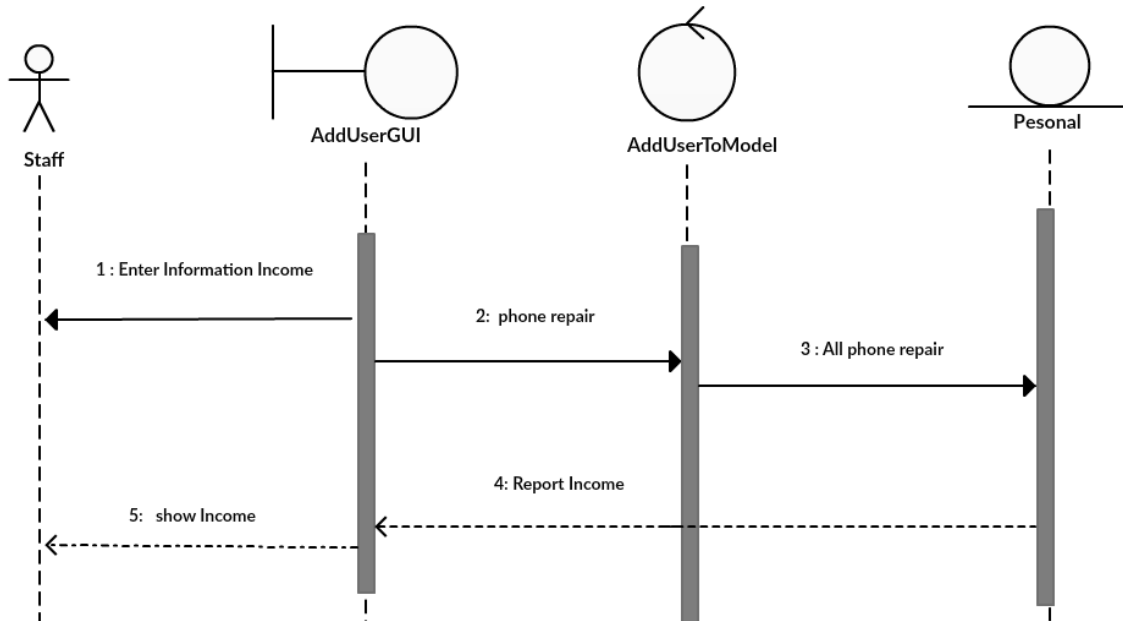
Sequence Diagram demonstrating operation “Update About Shop”

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



Sequence Diagram demonstrating operation “In come”

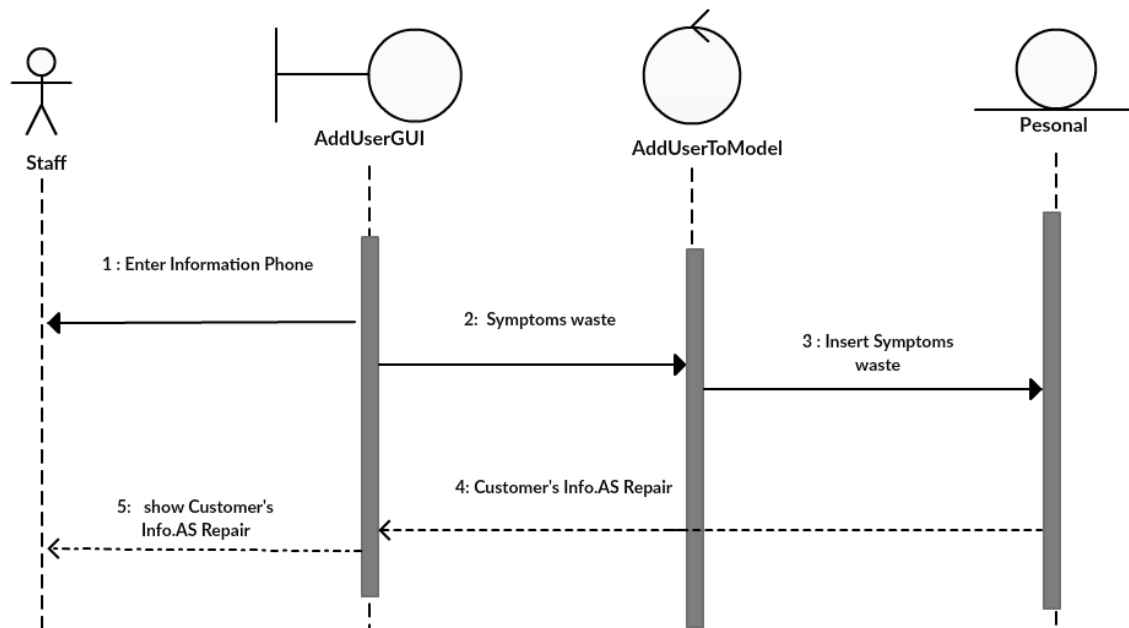
- This diagram describes the system scenario of “UC611: Income”



Mr.Pasin Sommung 5730213096

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

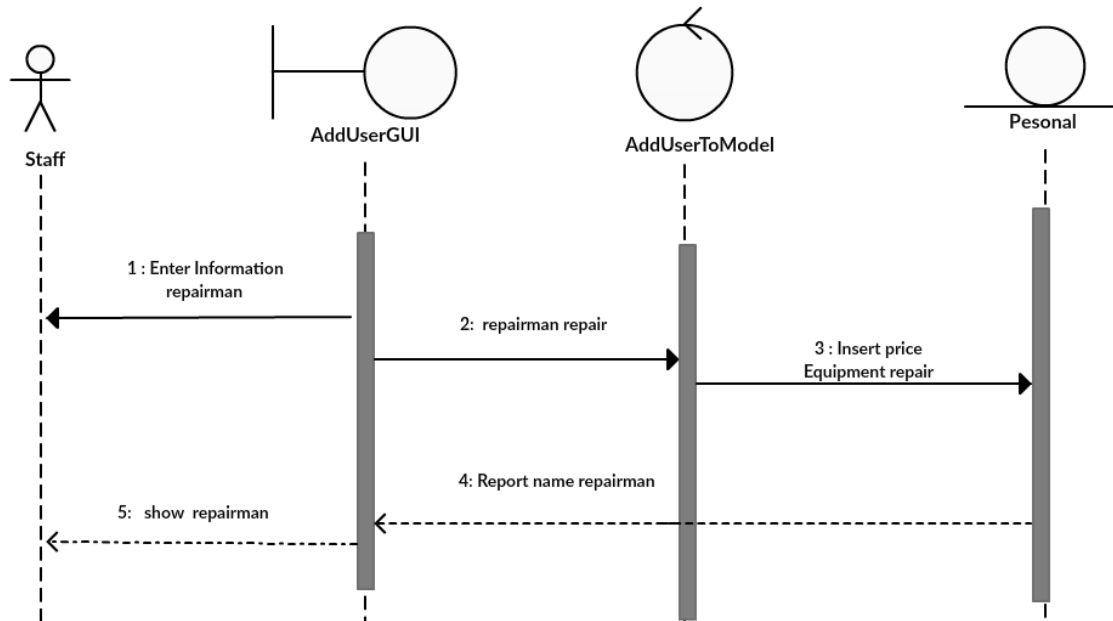
- This diagram describes the system scenario of “UC612:Customer’s Info. As Repair ”



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Sequence Diagram demonstrating operation “Repairman”

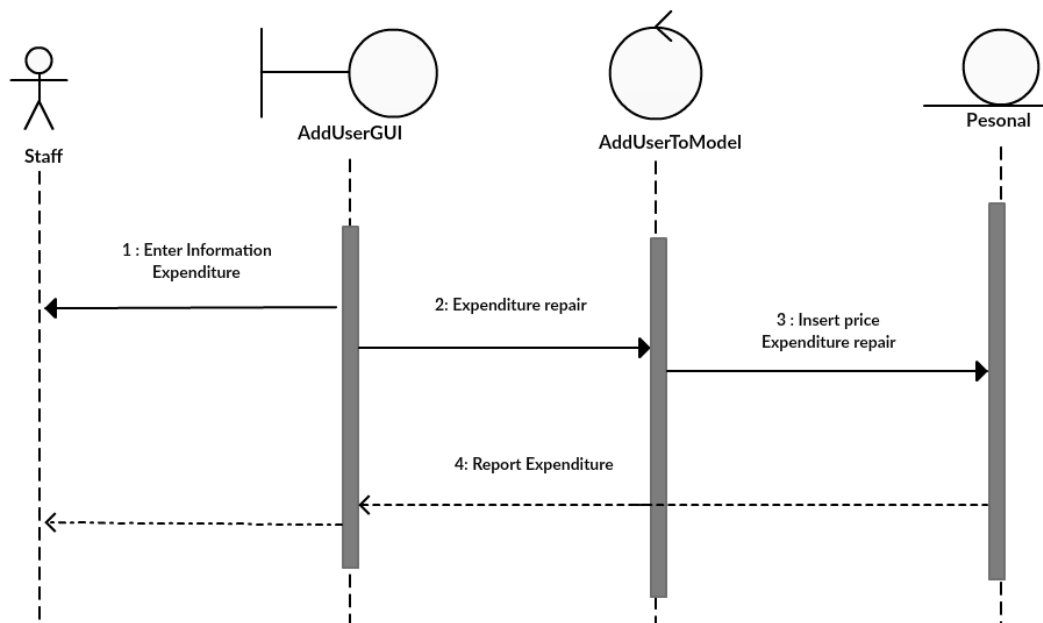
- This diagram describes the system scenario of “UC613: Repairman”



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Sequence Diagram demonstrating operation “expenditure”

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



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