

<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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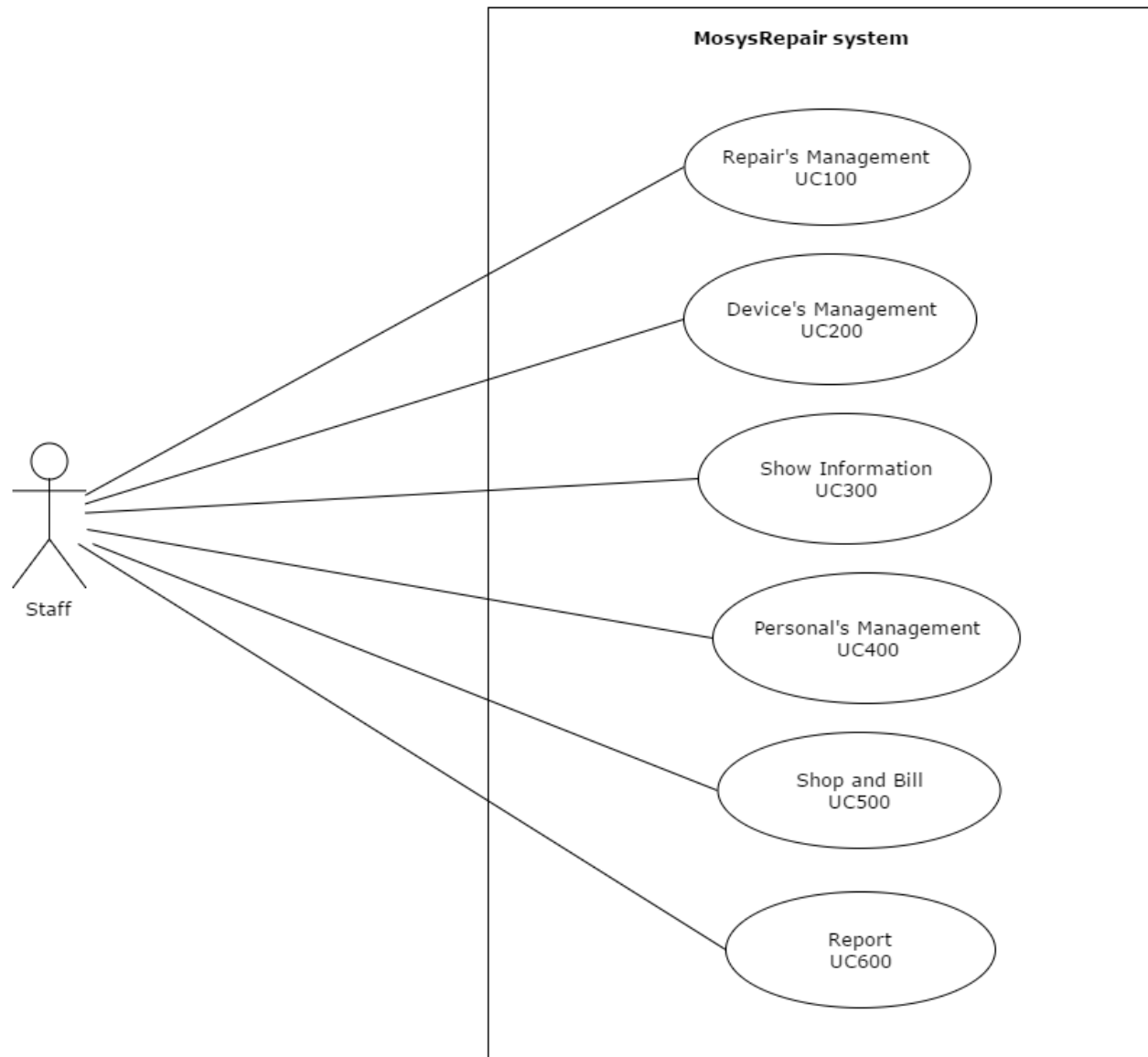
1. Revision History

Revision History identify changes to the Design Document.

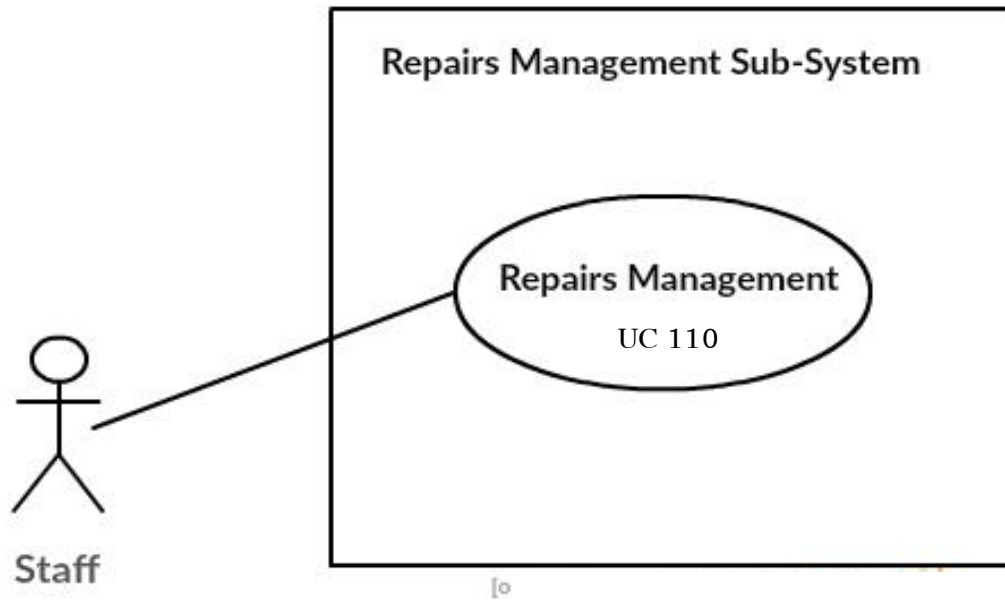
Name	Date	Description	Version
Mosys repair	11/11/16	Repair system for mobile phone	Version 1.0

2. Use Case Overview

Use Case Diagram Level 0: MosysRepair system

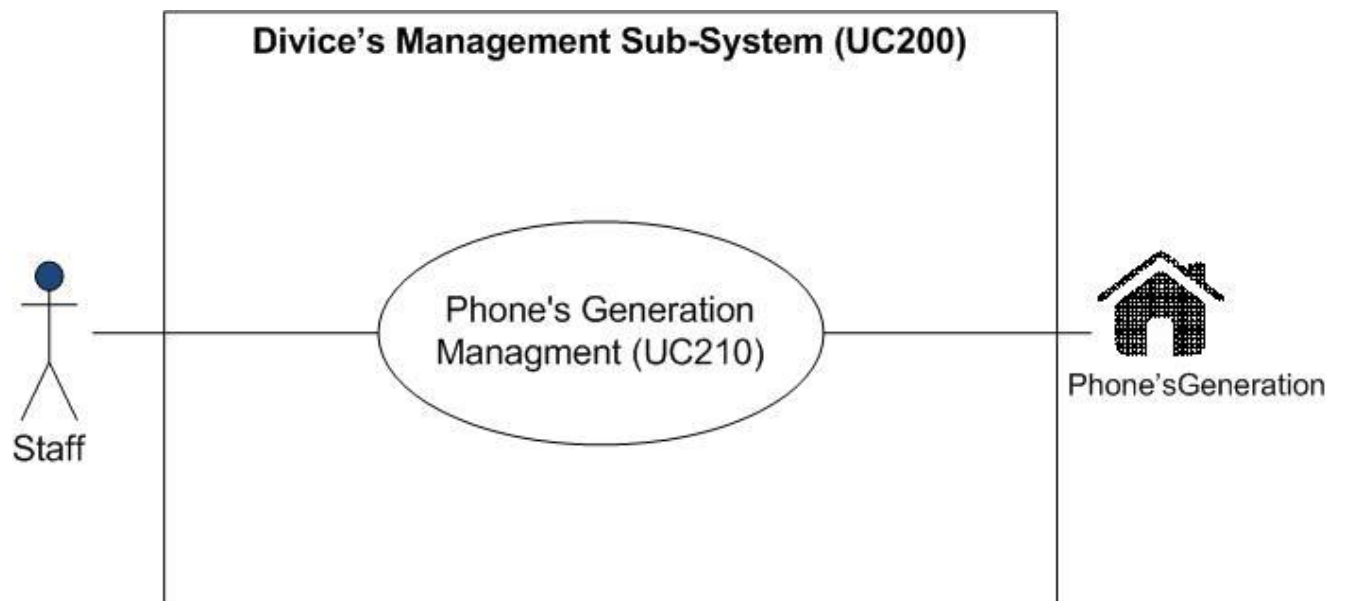


Use Case Diagram Level 1: Repairs Management Sub-System (UC100)

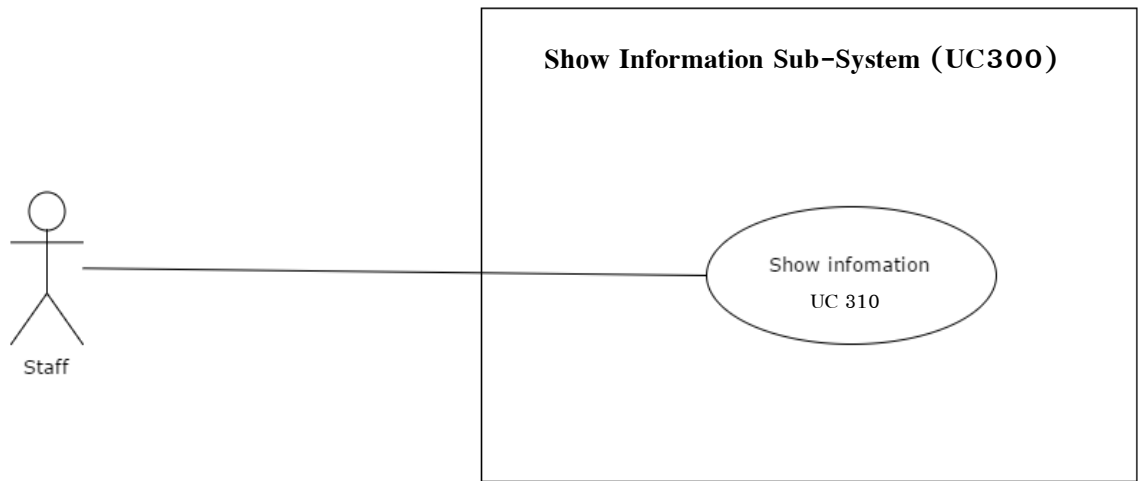


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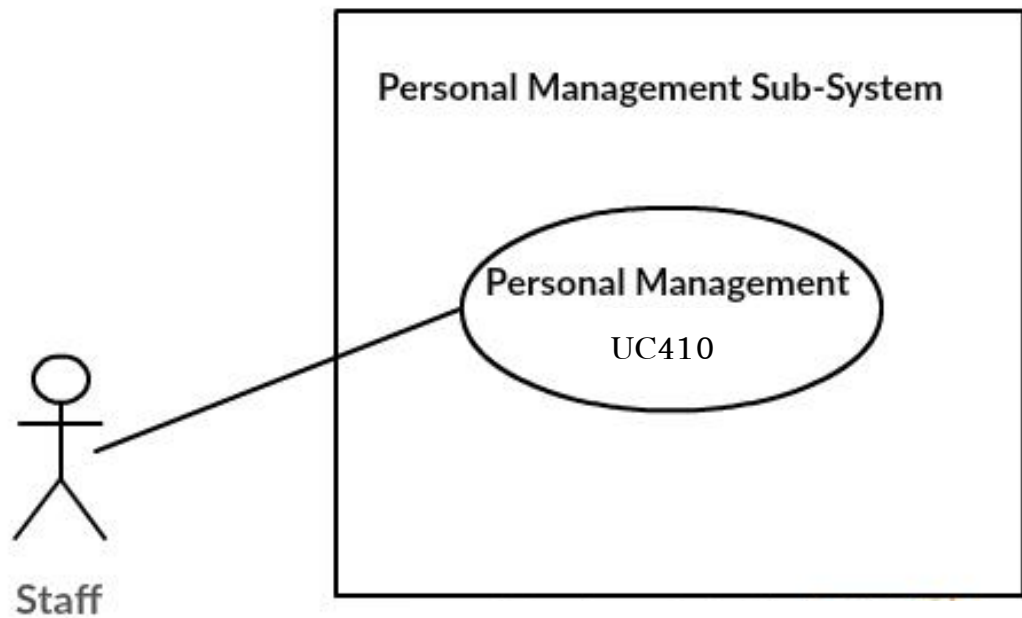
Use Case Diagram Level 1: Divice's Management Sub-System (UC200)



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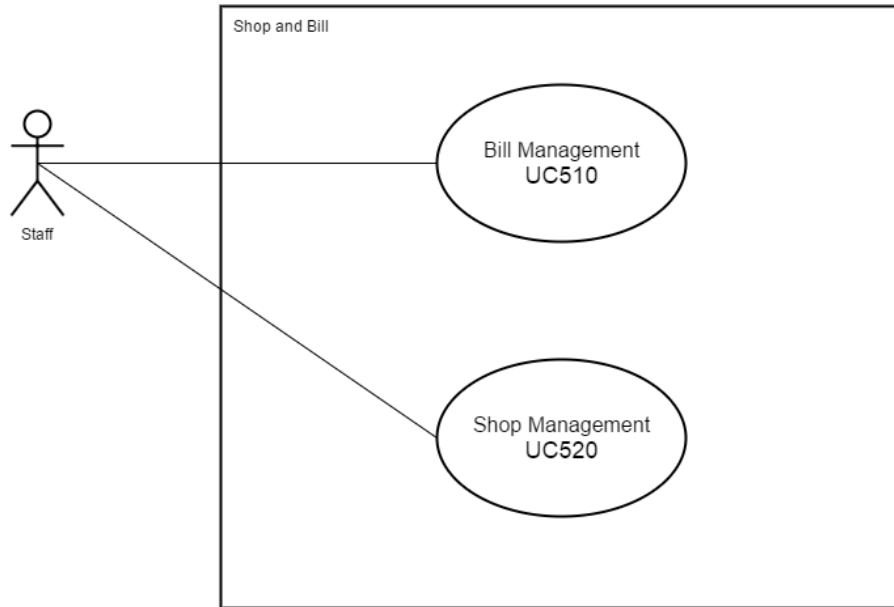
Use Case Diagram Level 1: Show Information Sub-System (UC300)

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

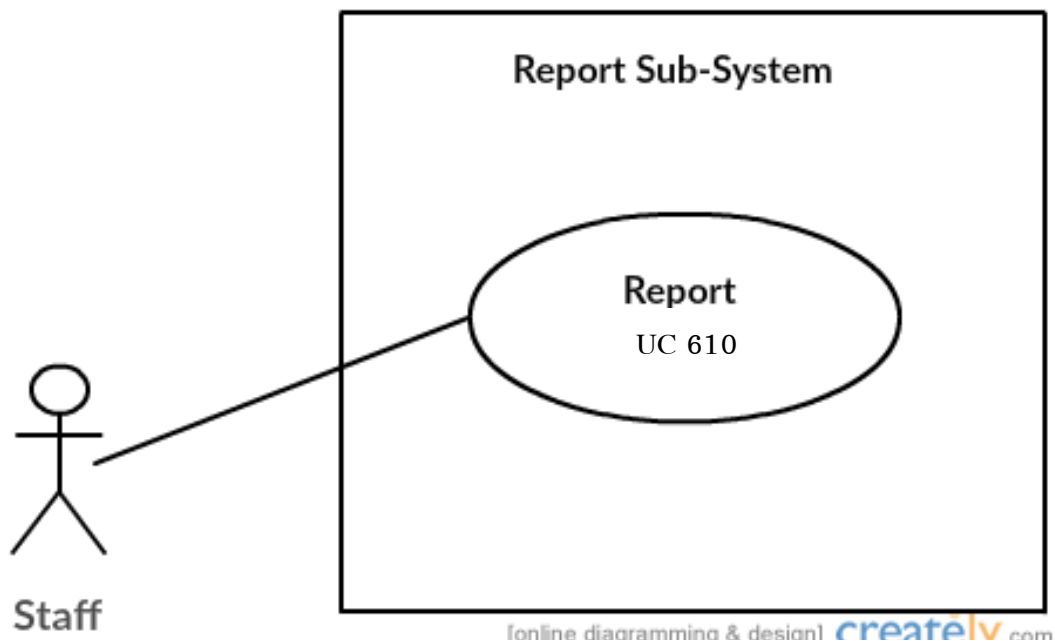
Mr.Sitta Chumklaew 5730213074

Use case Diagram LV1: Shop and Bill (UC500)



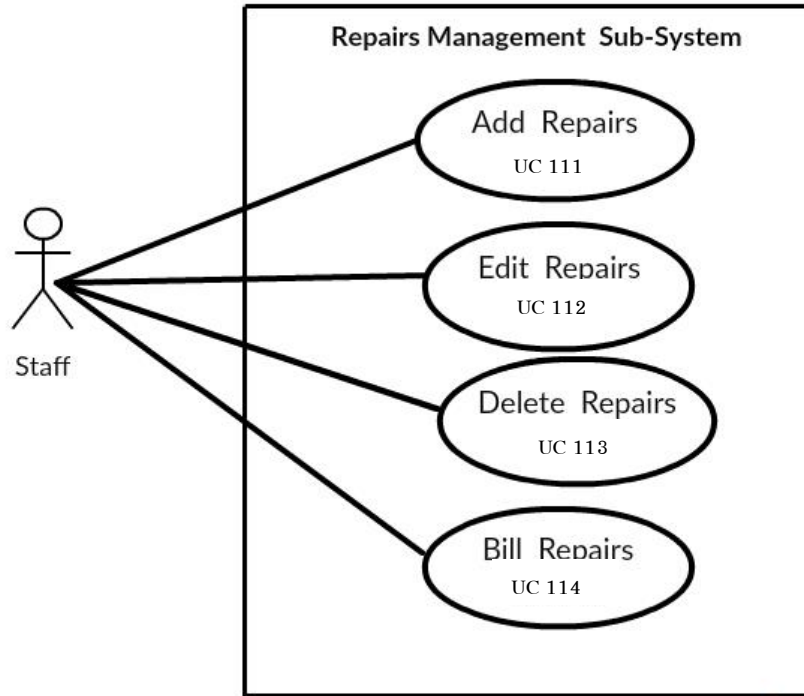
Mr.Tanawat Meechai 5730213080

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



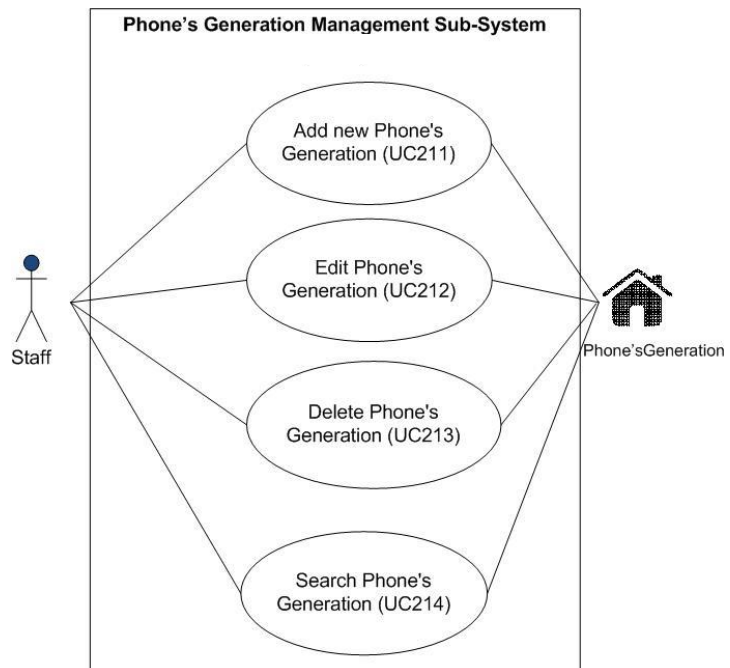
Mr.Pasin Sommung 5730213096

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



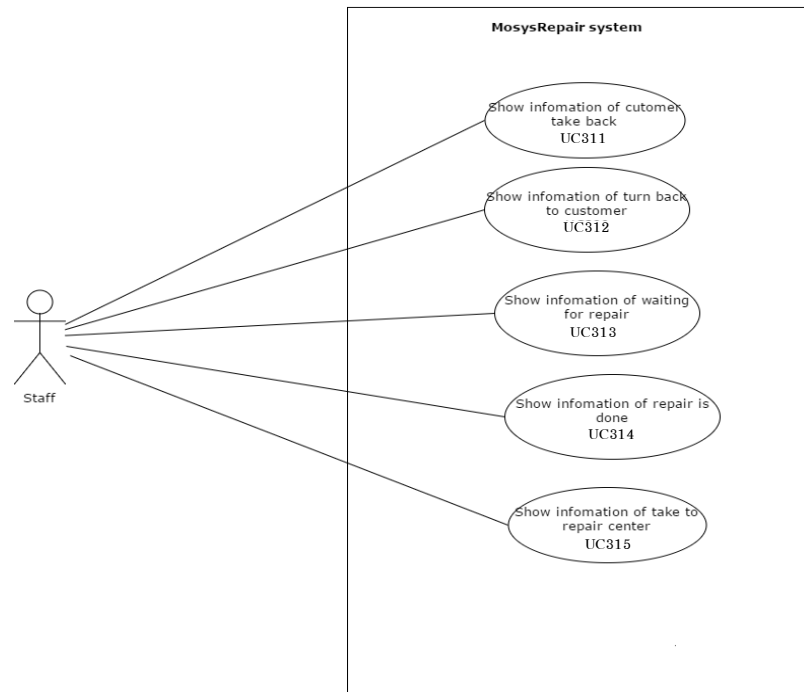
Miss Uraiwan Puekphet 5730213031

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



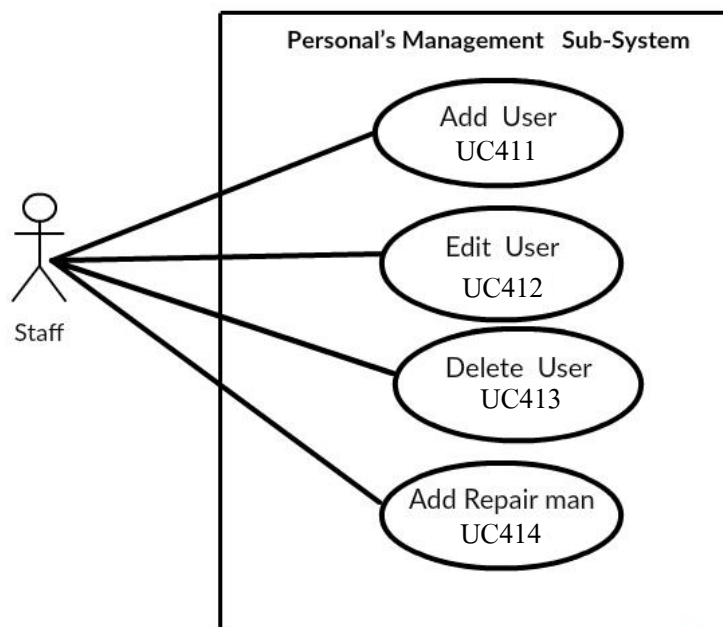
MissPuttinun Duangsamran 5730213038

Use Case Diagram Level 2 : Show Information (UC310)

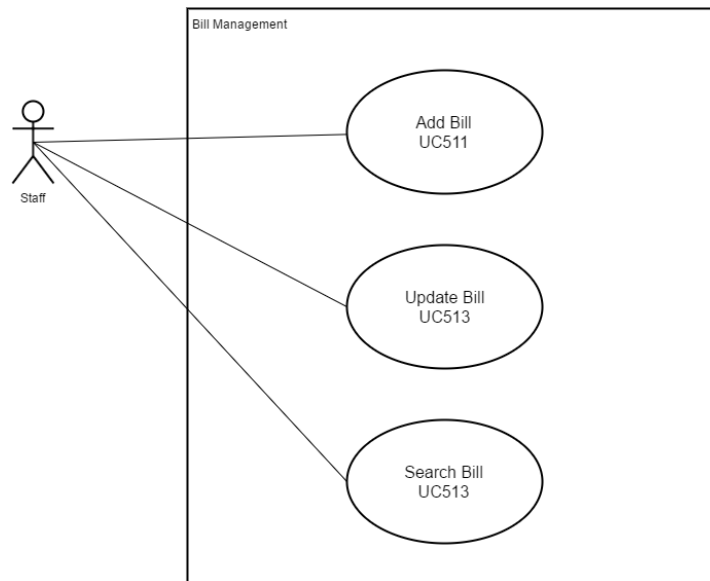


Mr.Jasadaporn Sain-Un 5730213073

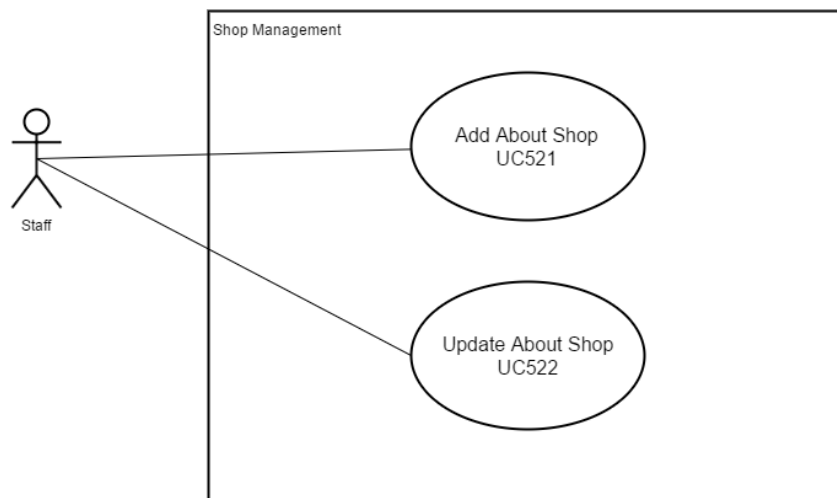
Use Case Diagram Level 2: Personal's Management Sub-System (UC410)



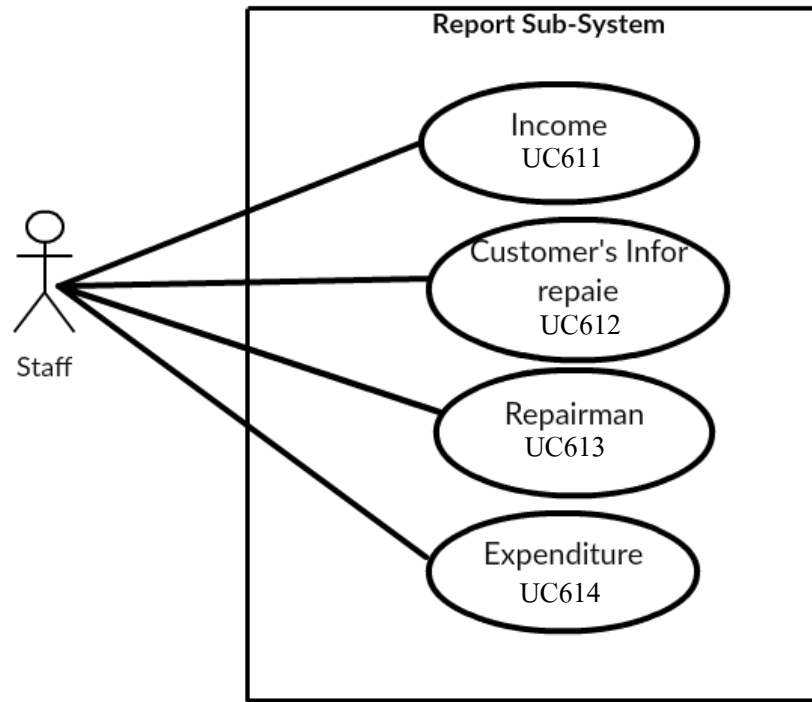
Mr.Sitta Chumklaew 5730213074

Use case Diagram LV2 : Bill Management (UC510)

Mr.Tanawat Meechai 5730213080

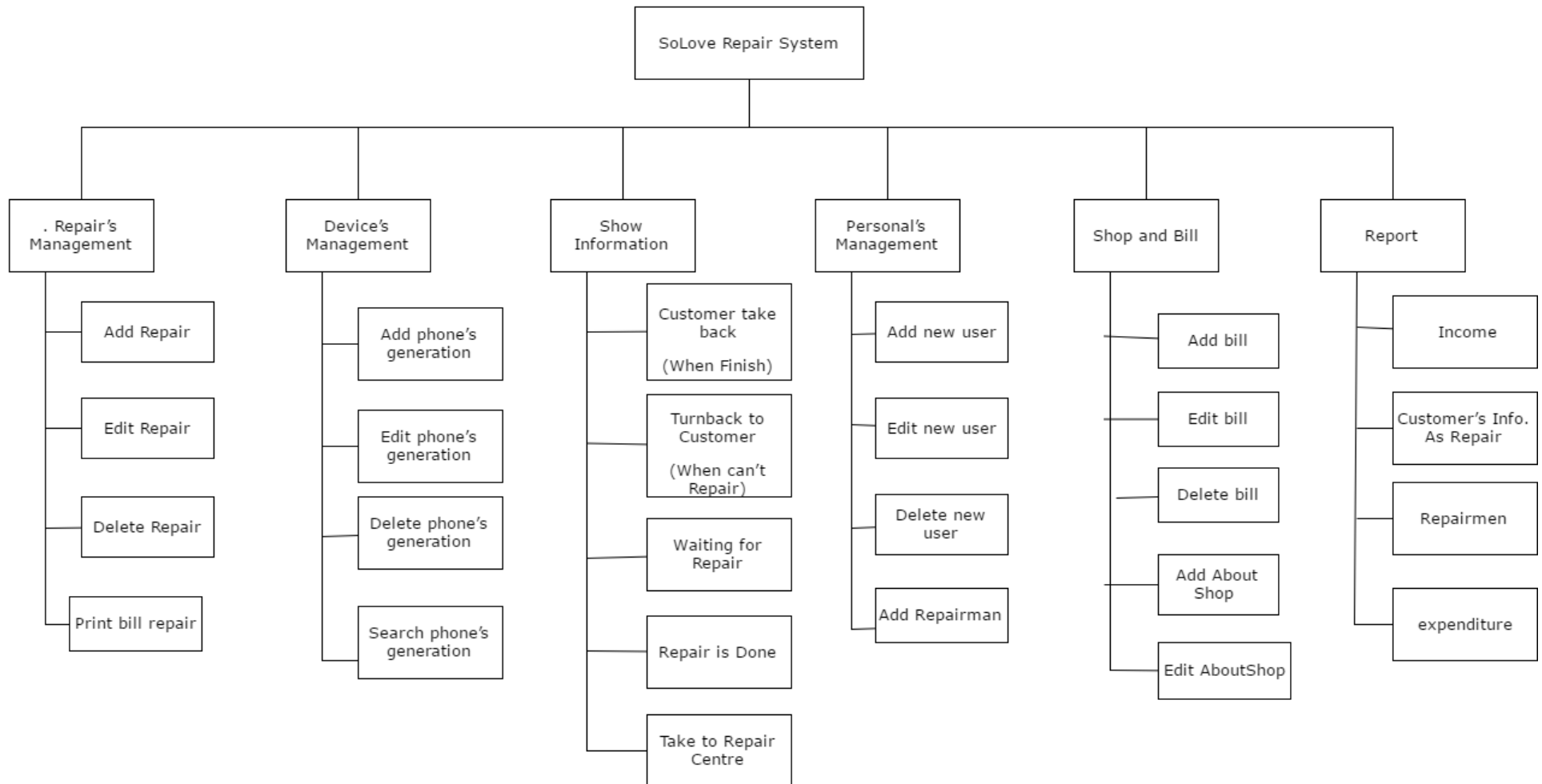
Use case LV2 : Shop Management (UC520)

Mr.Tanawat Meechai 5730213080

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

Mr.Pasin Sommung 5730213096

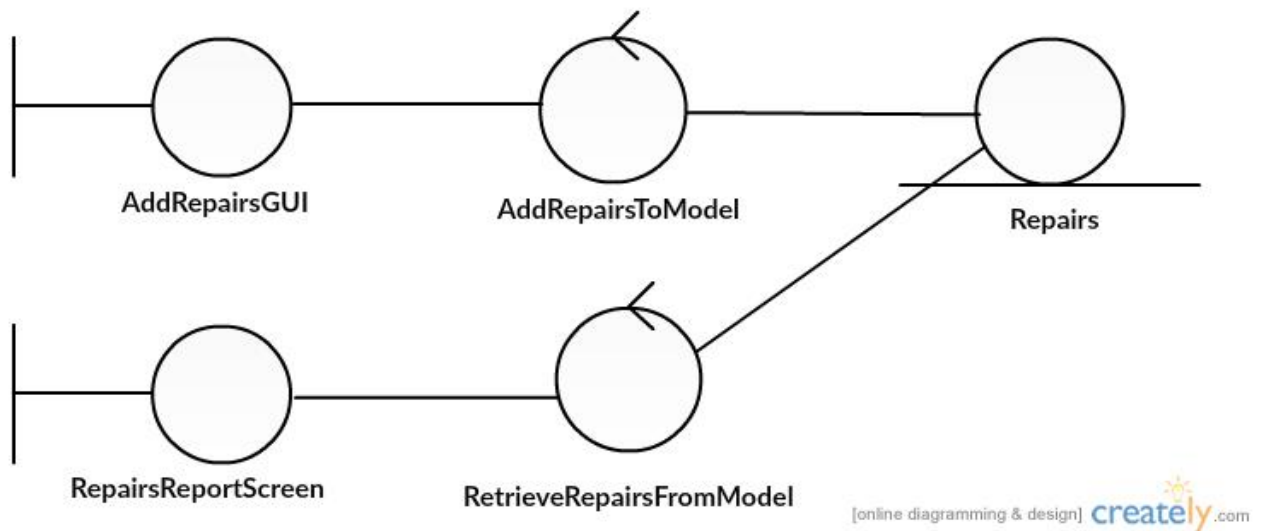
3.System Structure



4. Static Structure and Data Analysis

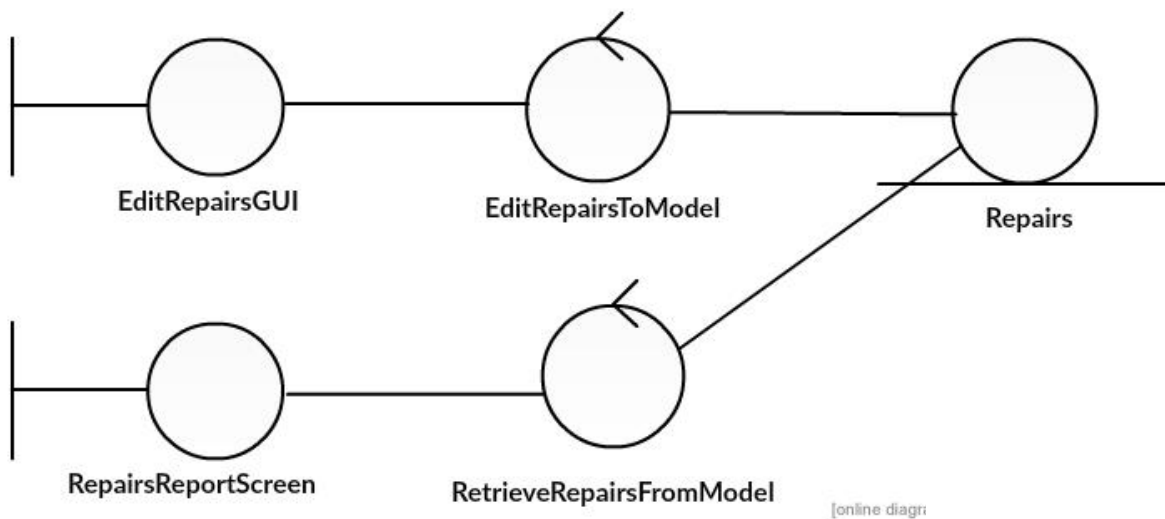
4.1 Model-View-Controller (MVC) Model

MVC Add Repairs



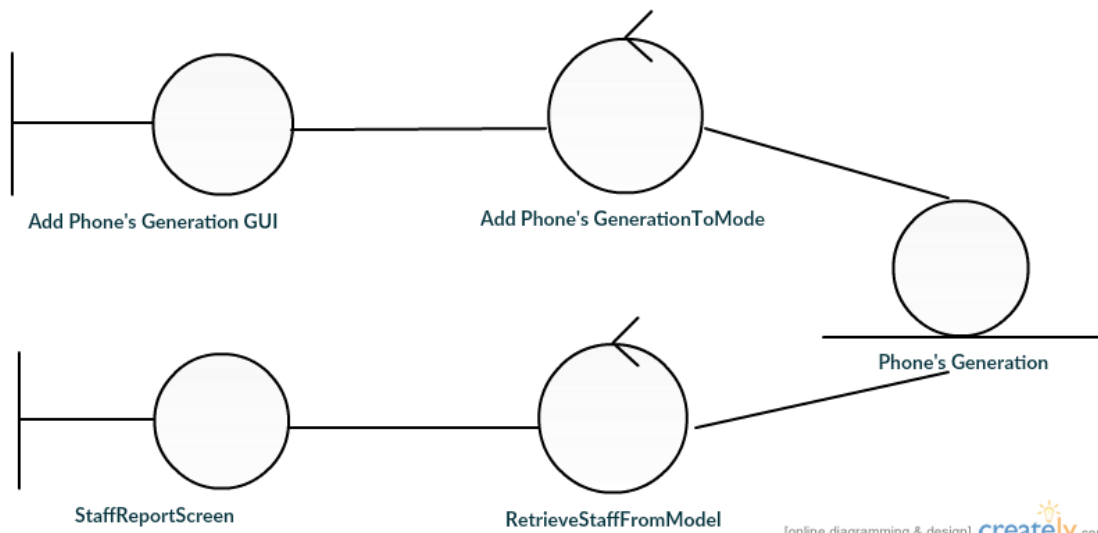
Miss Uraiwan Puekphet 5730213031

MVC Edit Repairs



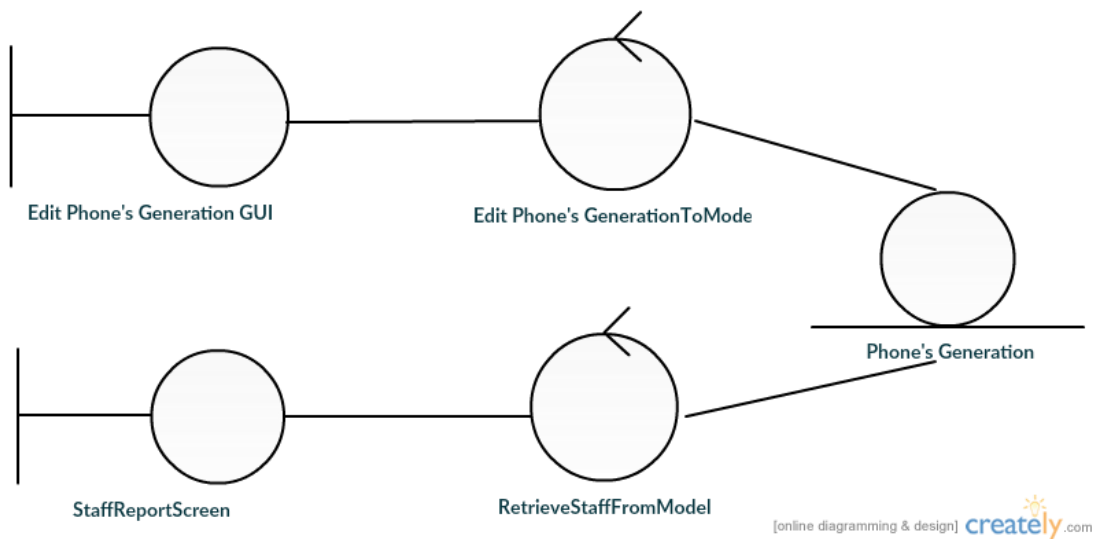
Miss Uraiwan Puekphet 5730213031

MVC Add Phone's Generation



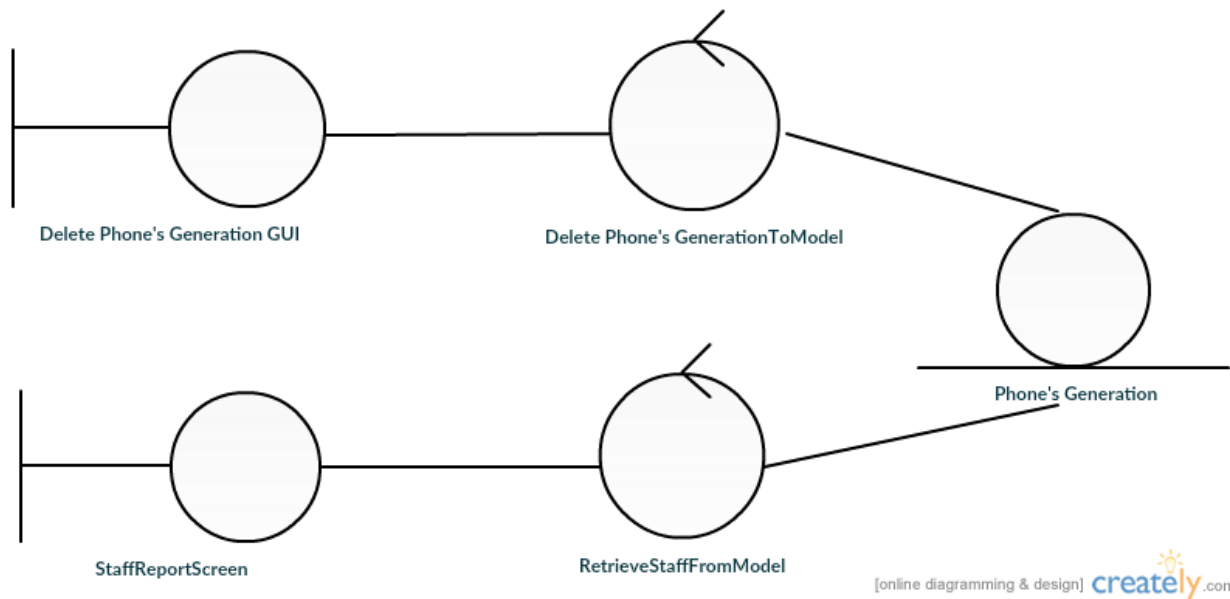
MissPuttinun Duangsamran 5730213038

MVC Edit Phone's Generation



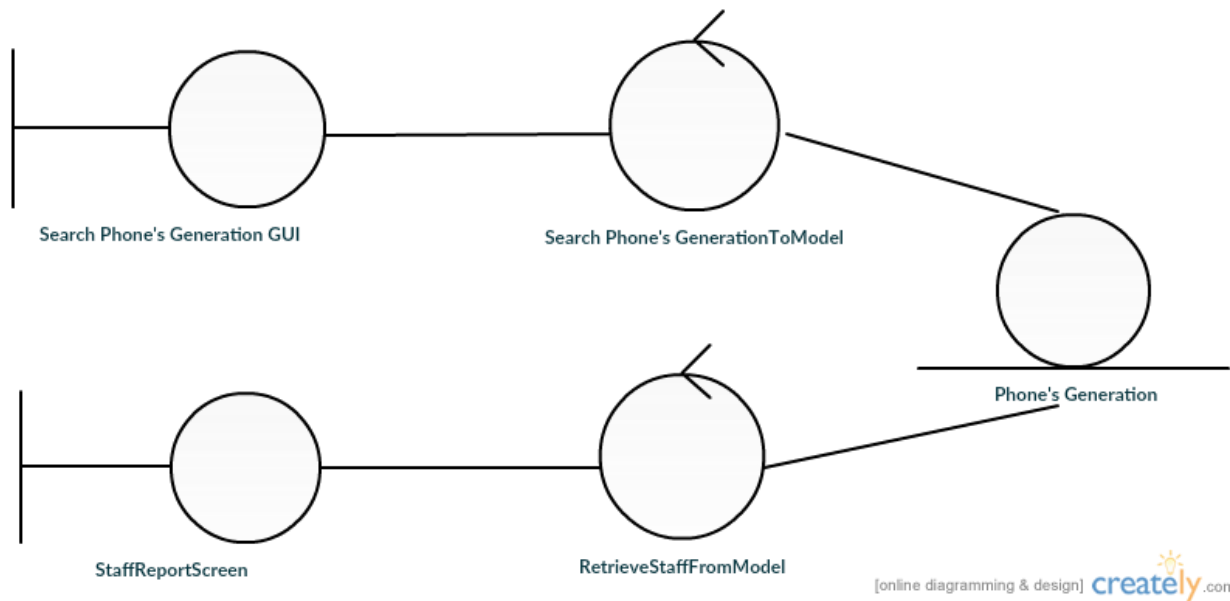
MissPuttinun Duangsamran 5730213038

MVC Delete Phone's Generation

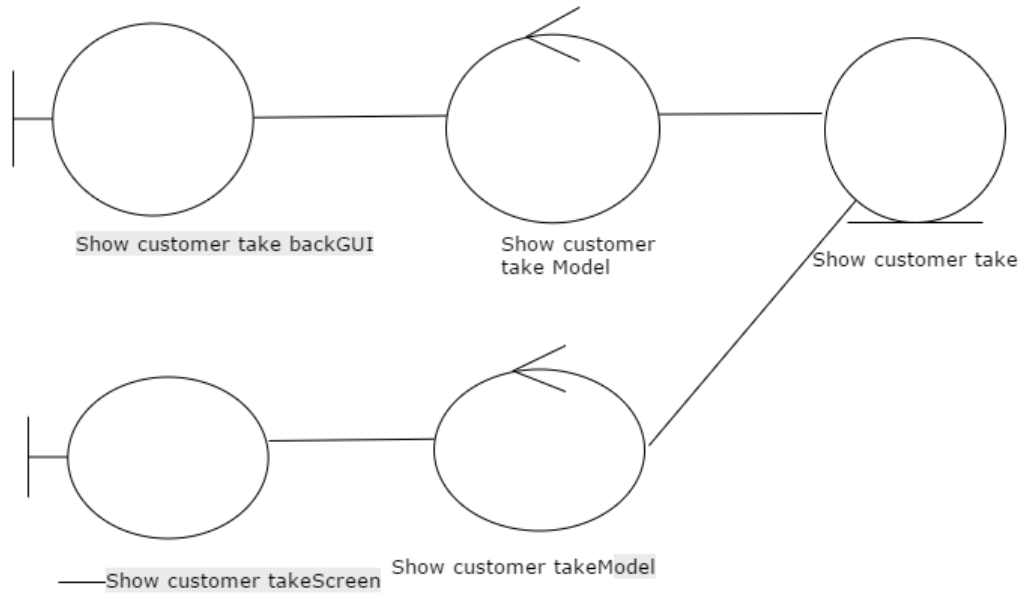


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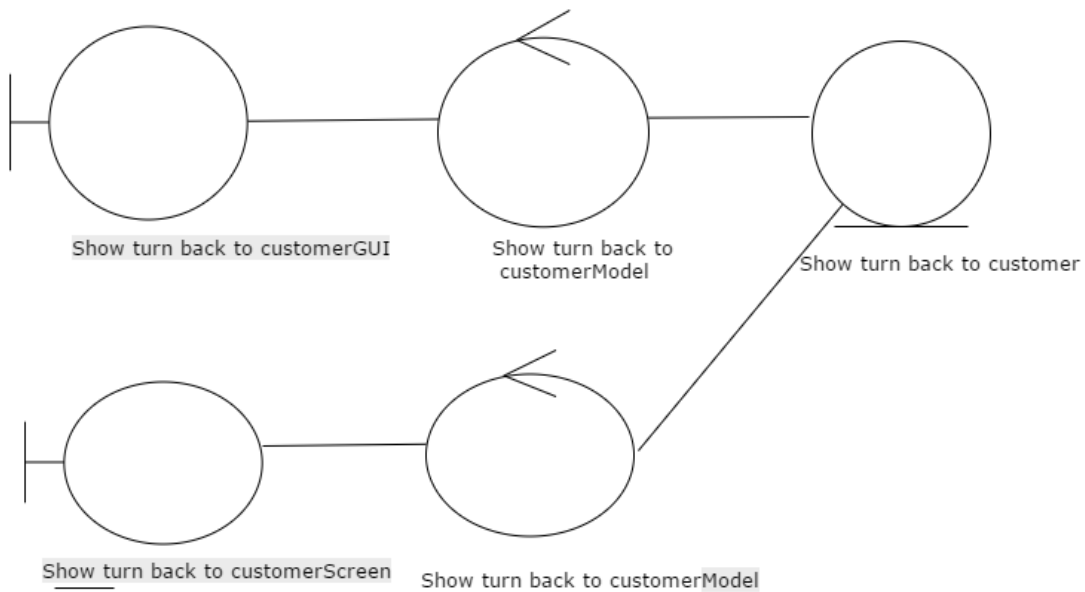
MVC Search Phone's Generation



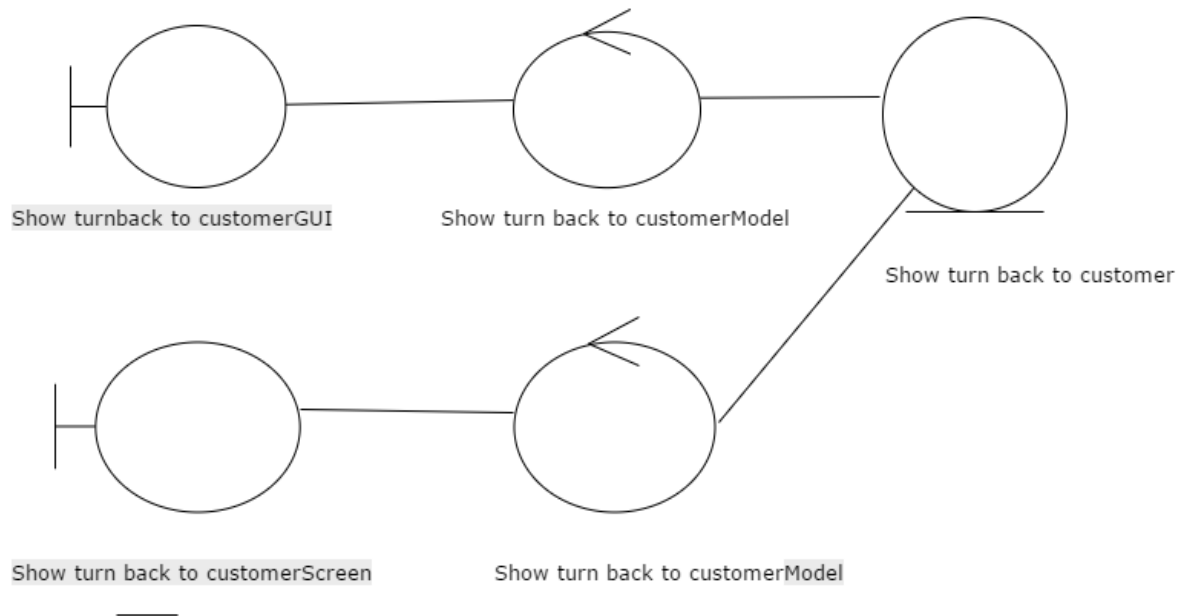
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MVC Show customer take back

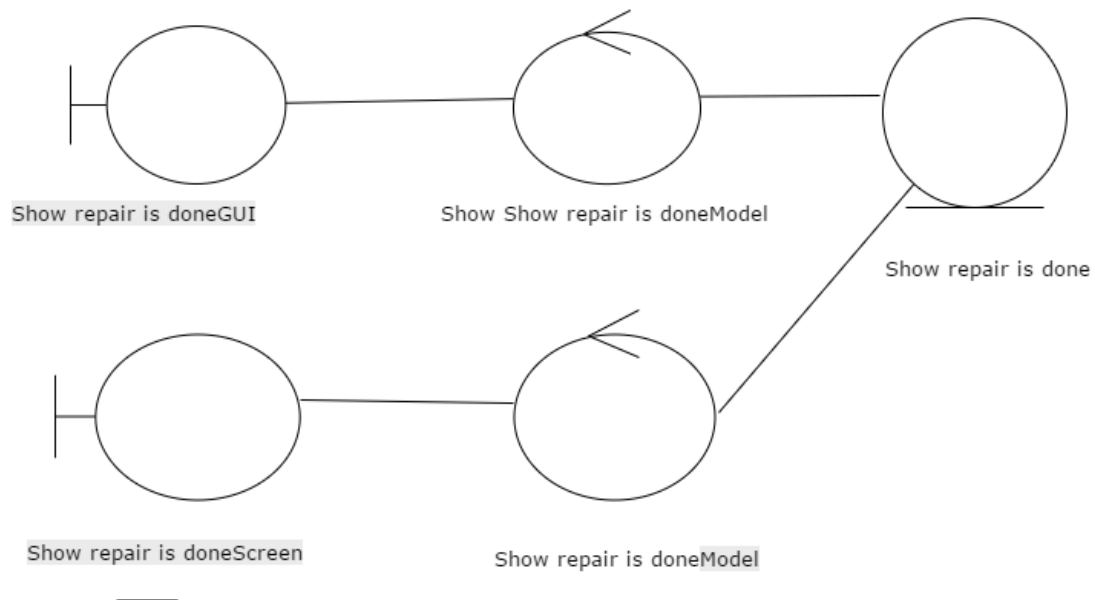
Mr.Jasadaporn Sain-Un 5730213073

MVC Show turn to customer

Mr.Jasadaporn Sain-Un 5730213073

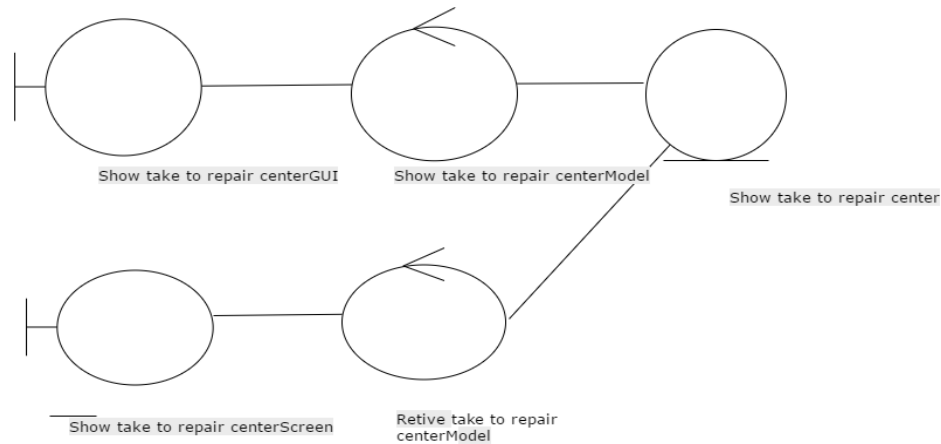
MVC Show wait for repair

Mr.Jasadaporn Sain-Un 5730213073

MVC Show repair is done

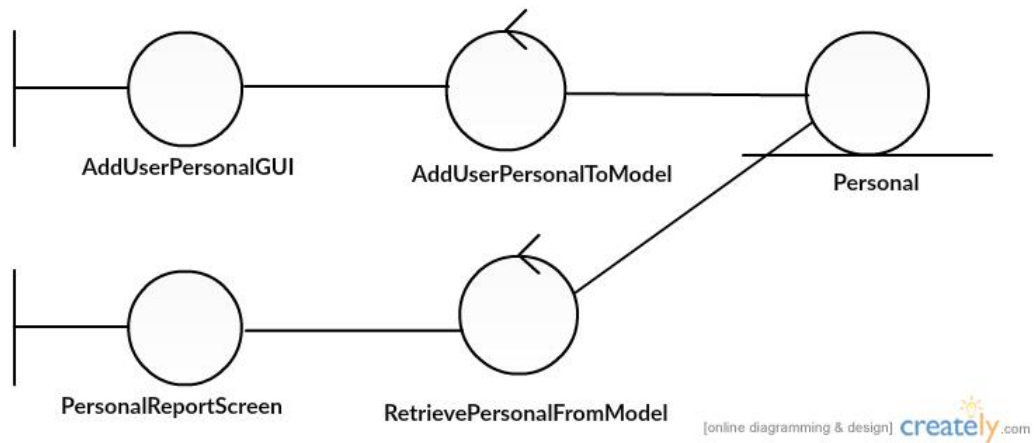
Mr.Jasadaporn Sain-Un 5730213073

MVC Show take to repair center

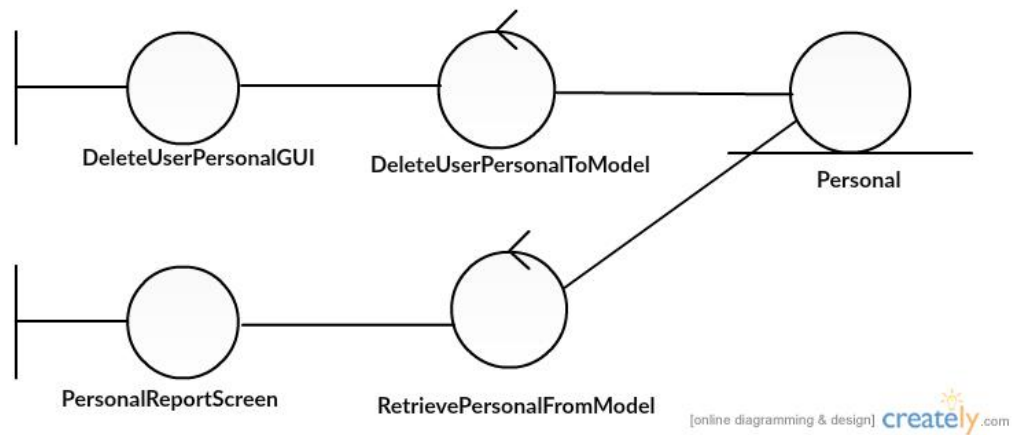


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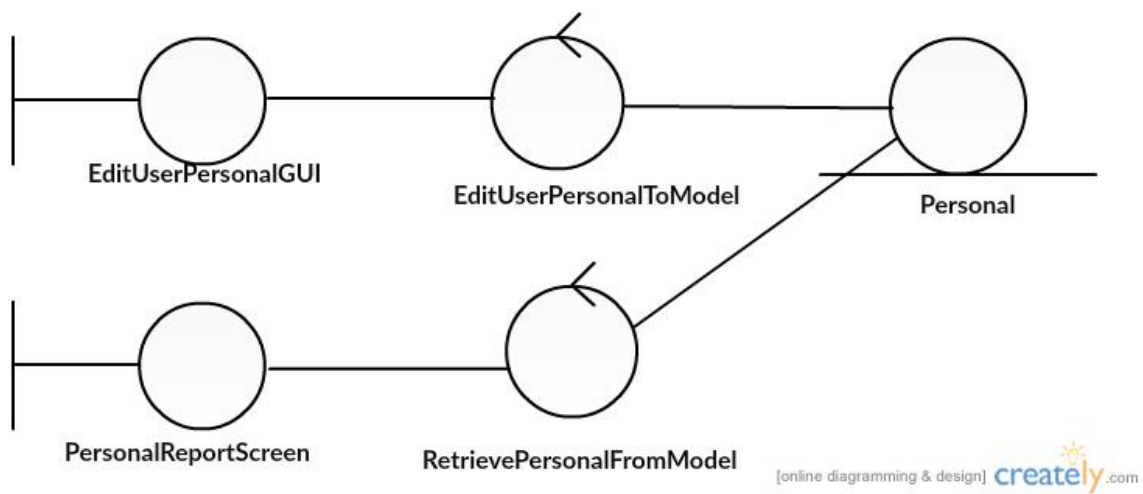
MVC Add User



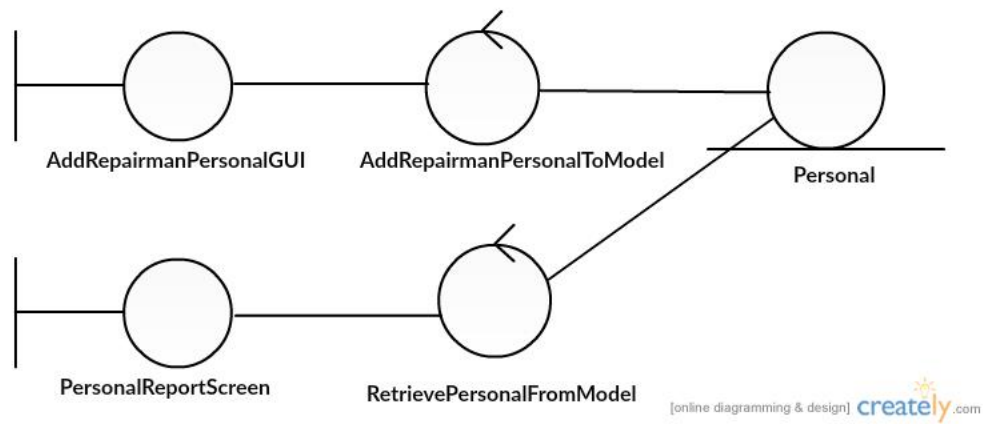
Mr.Sitta Chumklaew 5730213074

MVC Edit User

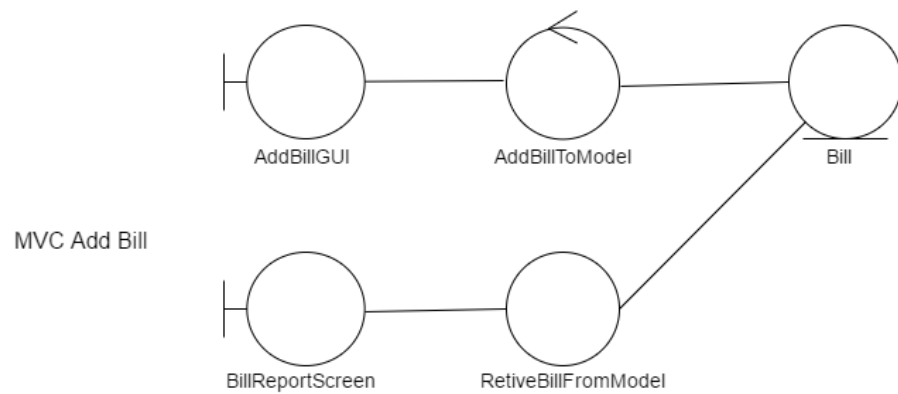
Mr.Sitta Chumklaew 5730213074

MVC Delete User

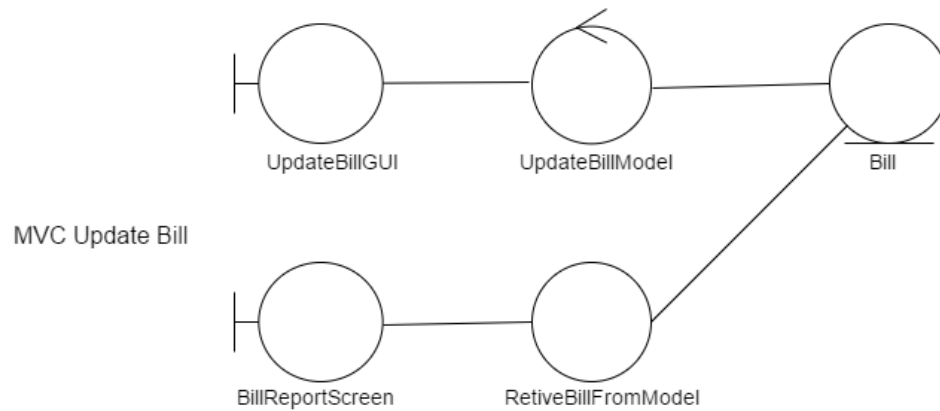
Mr.Sitta Chumklaew 5730213074

MVC Add Repairman

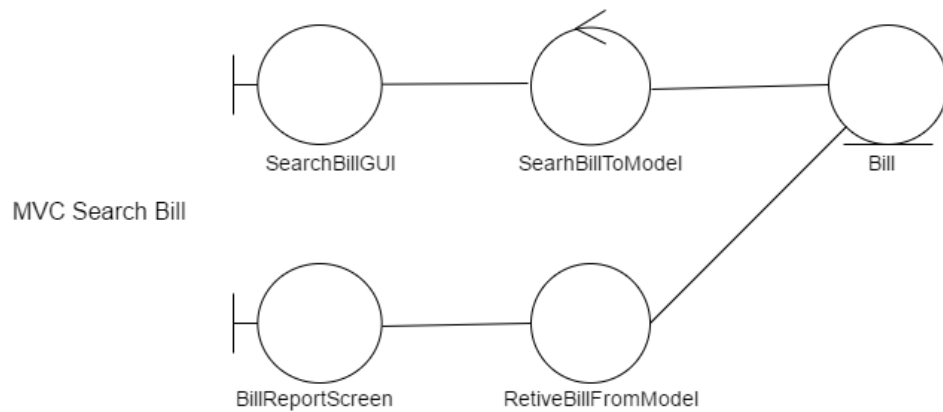
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Bill Management

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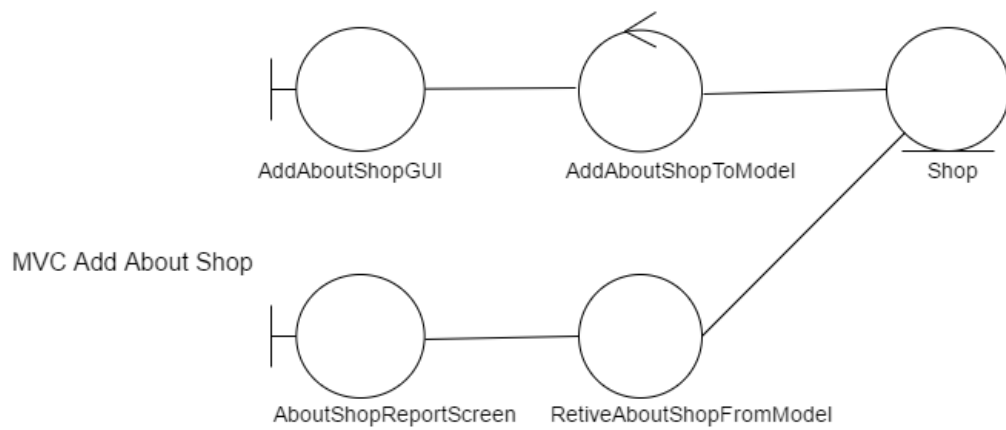


Mr.Tanawat Meechai 5730213080

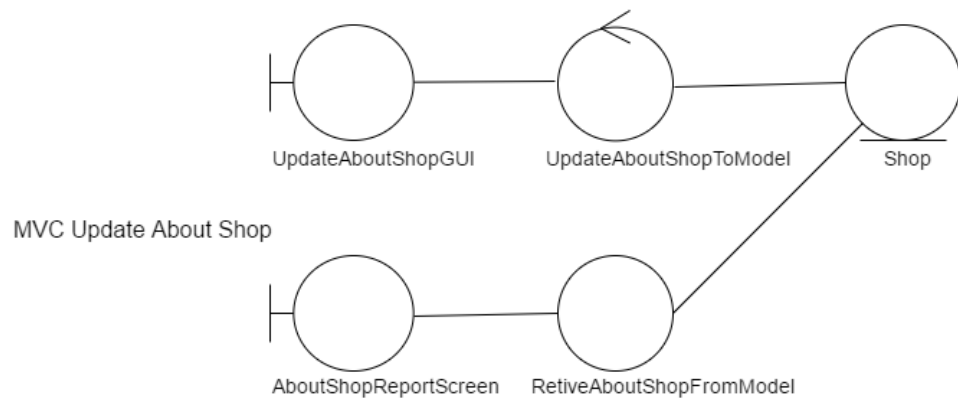


Mr.Tanawat Meechai 5730213080

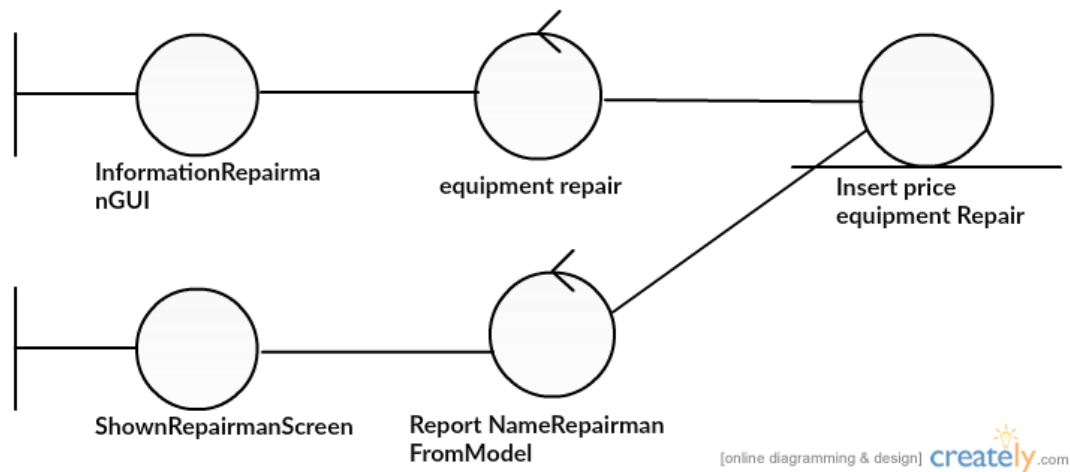
Shop Management



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MVC Repairman

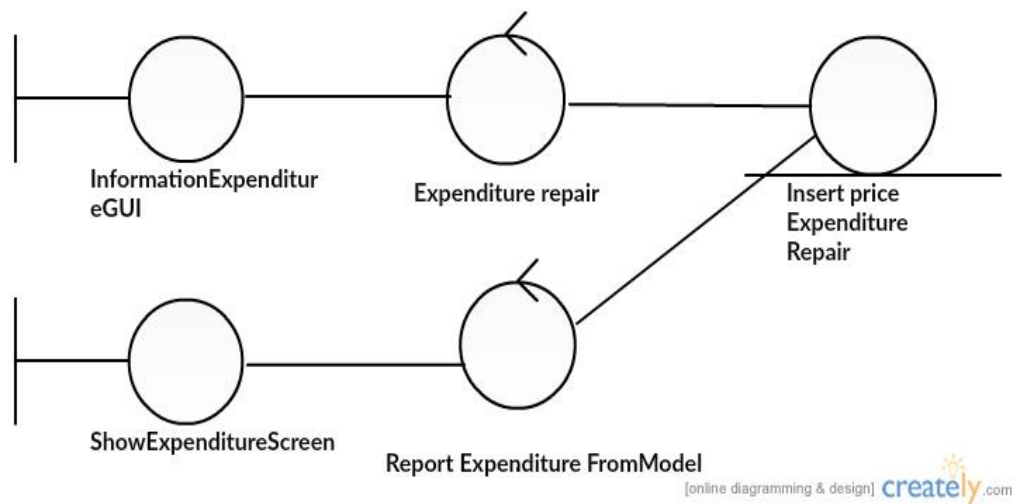


Mr.Pasin

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MVC Expenditure

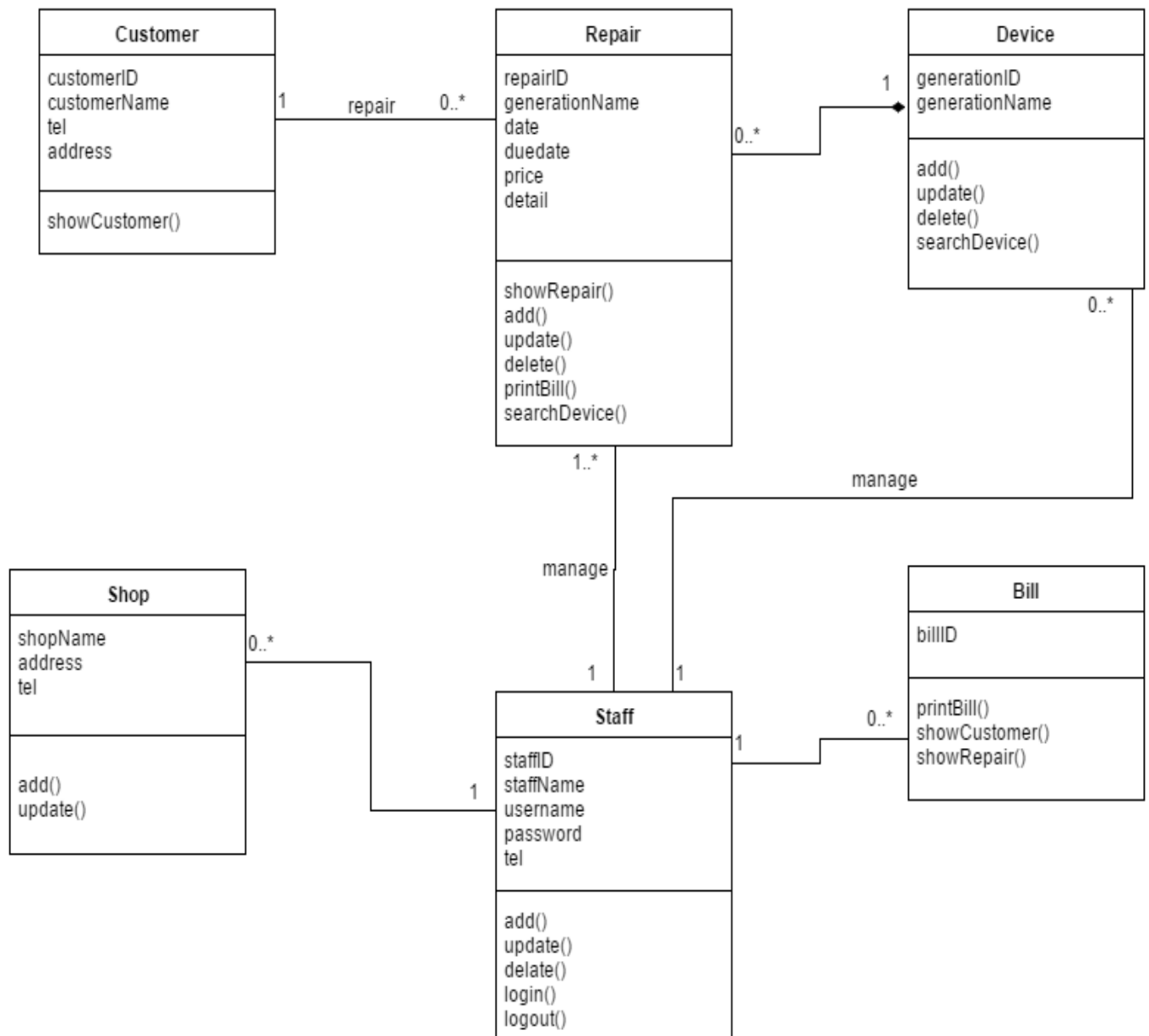


Mr.Pasin

Sommung

5730213096

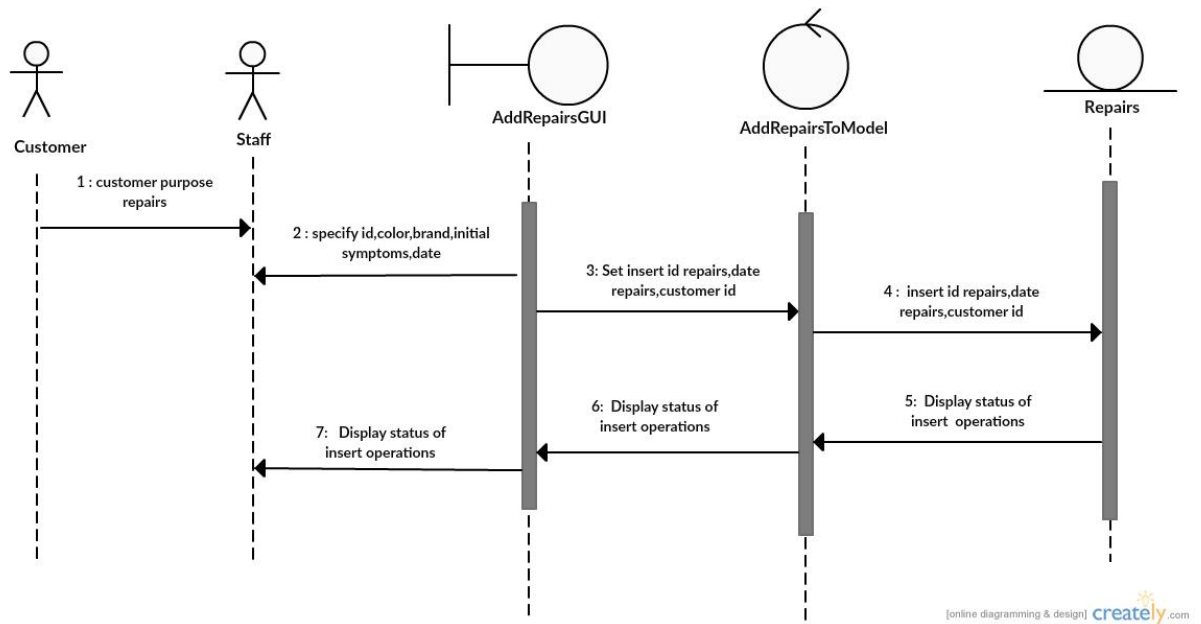
4.2 Class Diagram



5. System Behaviour Model

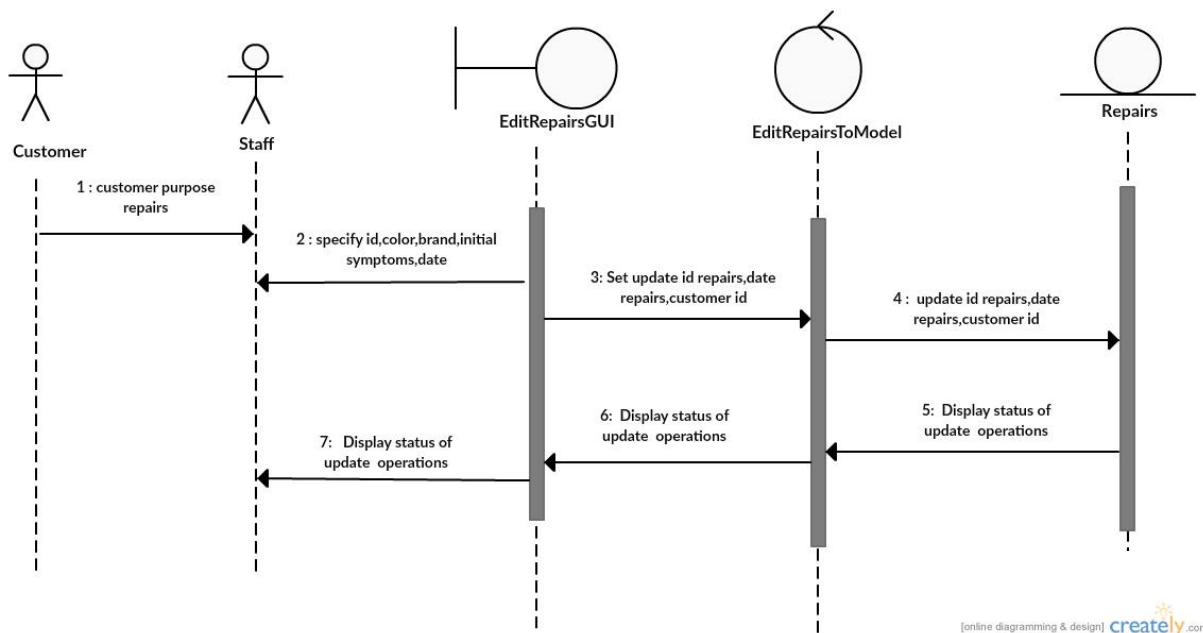
Sequence Diagram demonstrating operation “add, update, delete, bill repairs”

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



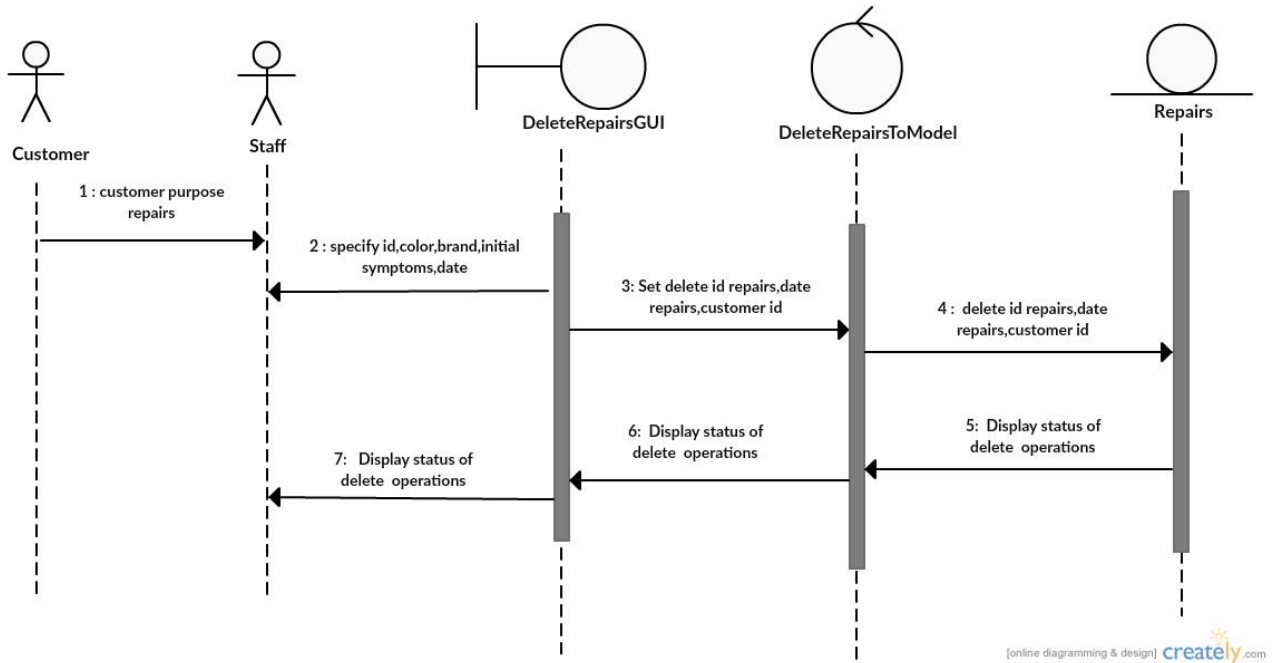
Miss Uraiwan Puekphet 5730213031

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



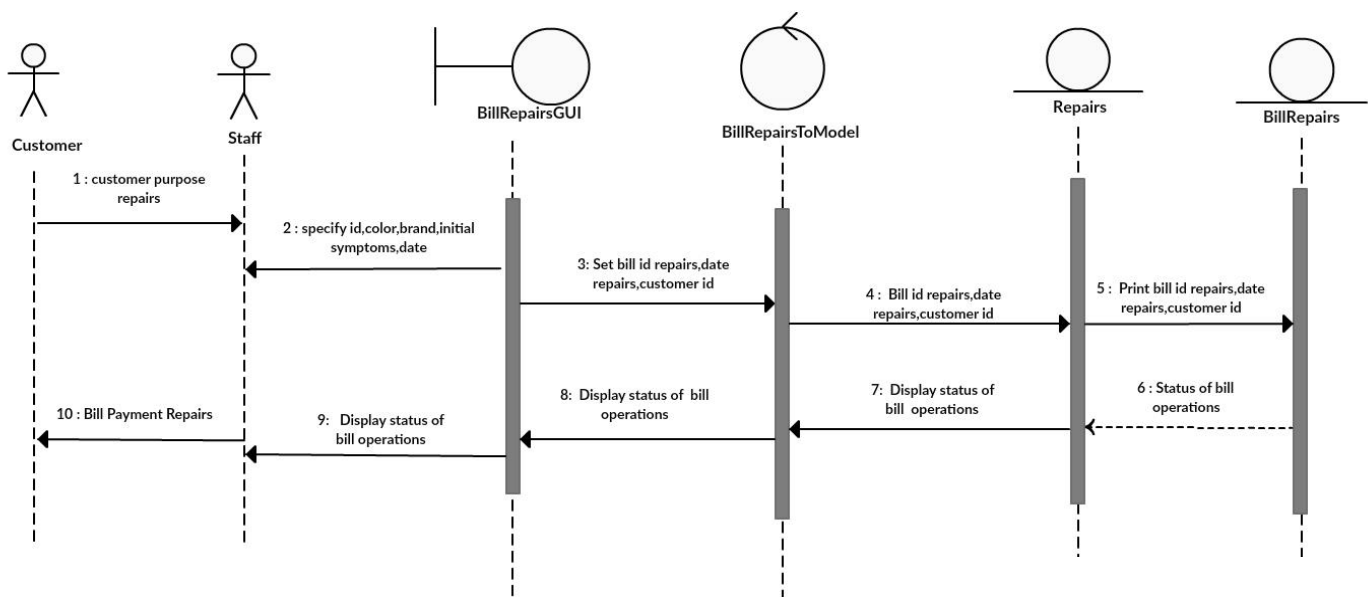
Miss Uraiwan Puekphet 5730213031

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



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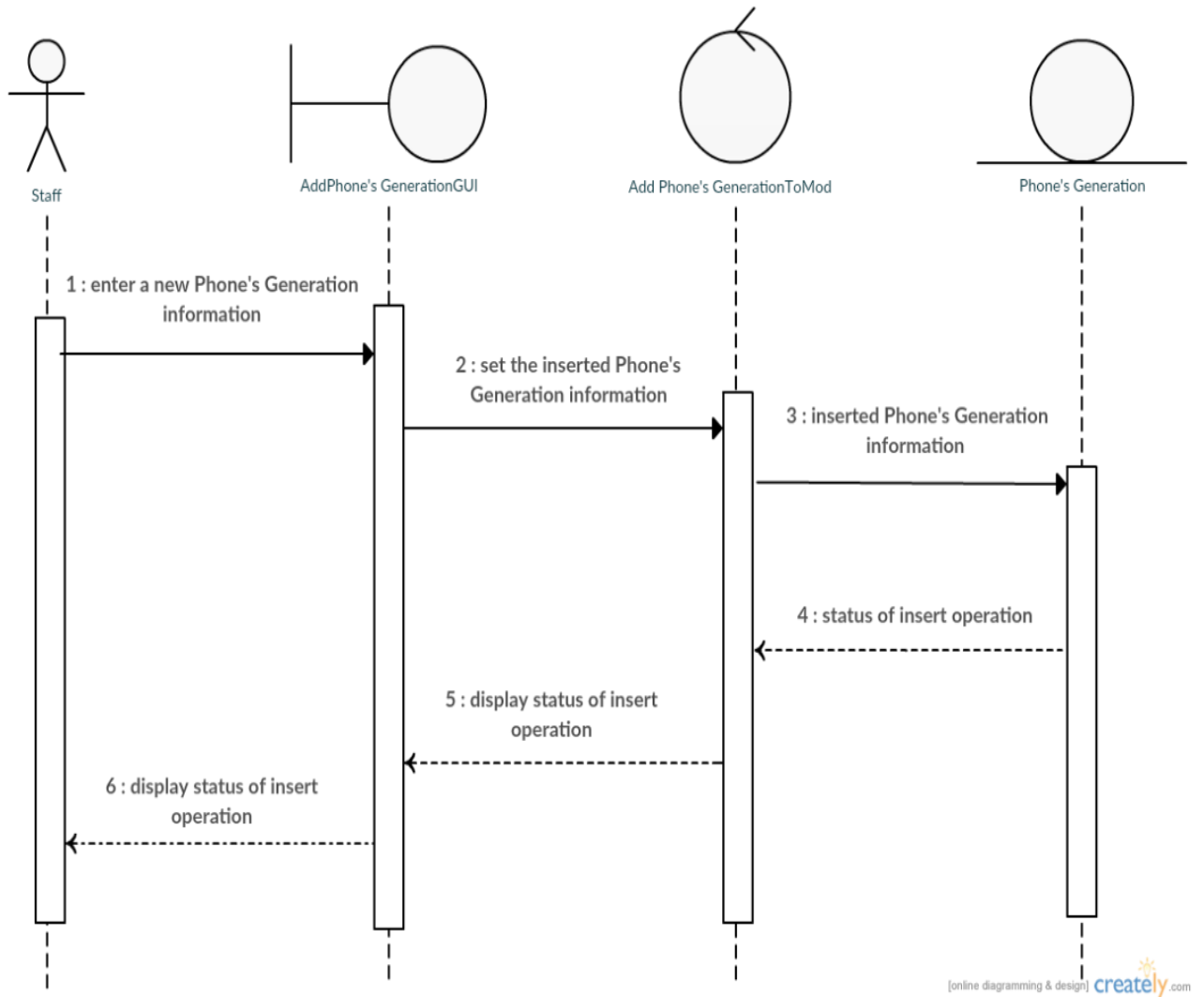
- This diagram describes the system scenario of “UC114:Bill Repairs”



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

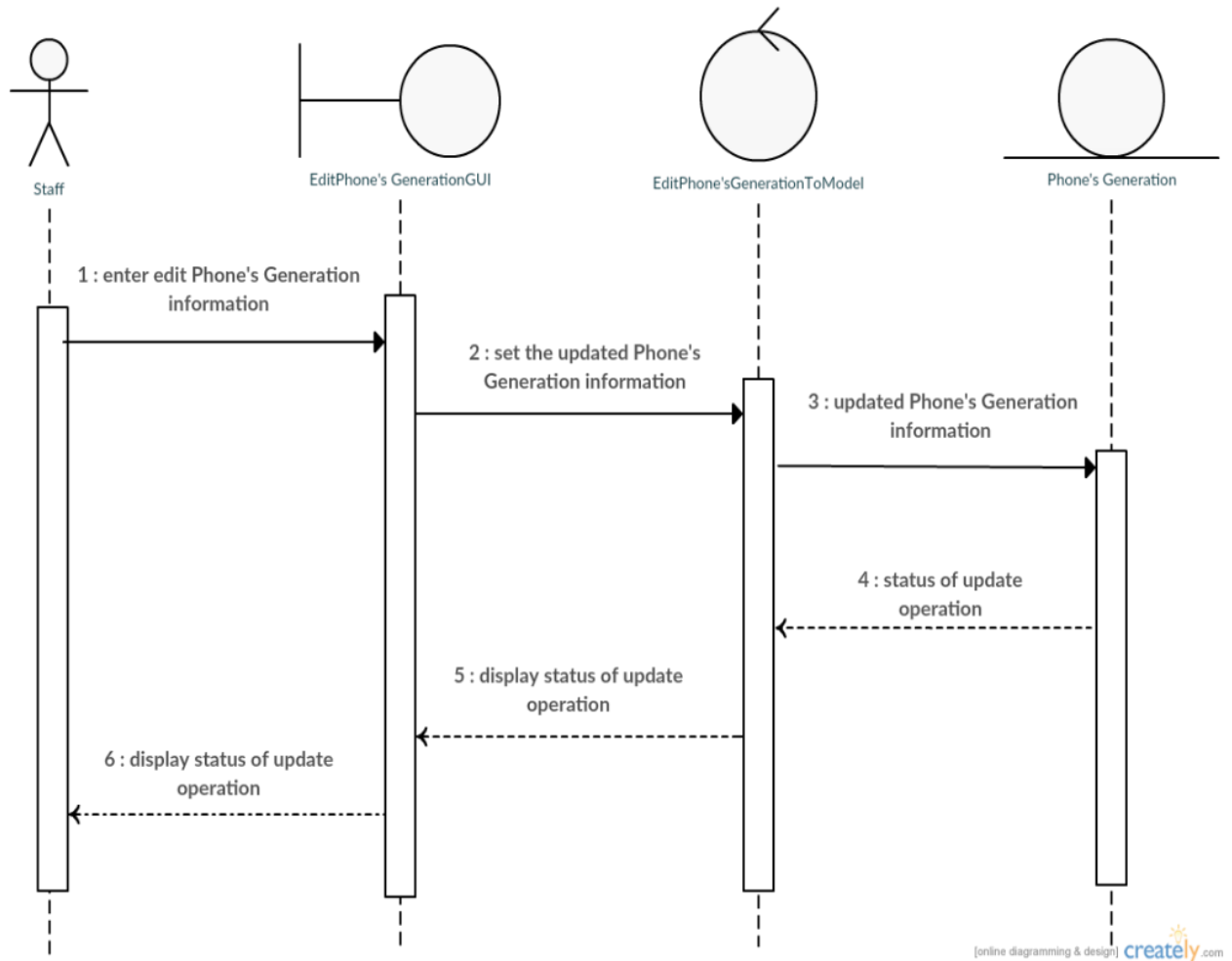
- This diagram describes the system scenario of “UC211: Add new Phone’s Generation”



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Sequence Diagram demonstrating operation “update Phone’s Generation”

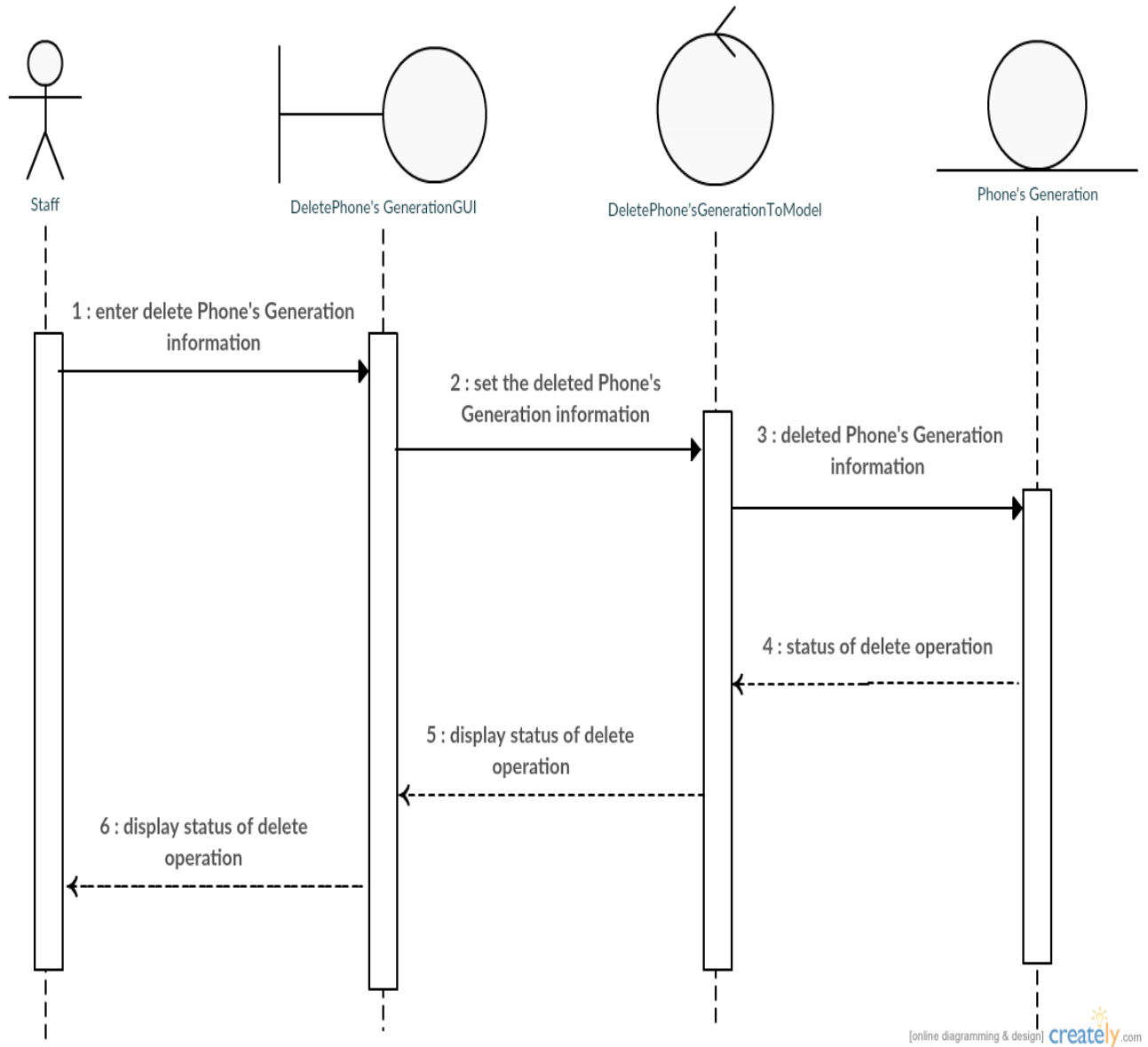
- This diagram describes the system scenario of “UC212: Edit Phone’s Generation”



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Sequence Diagram demonstrating operation “delete Phone’s Generation”

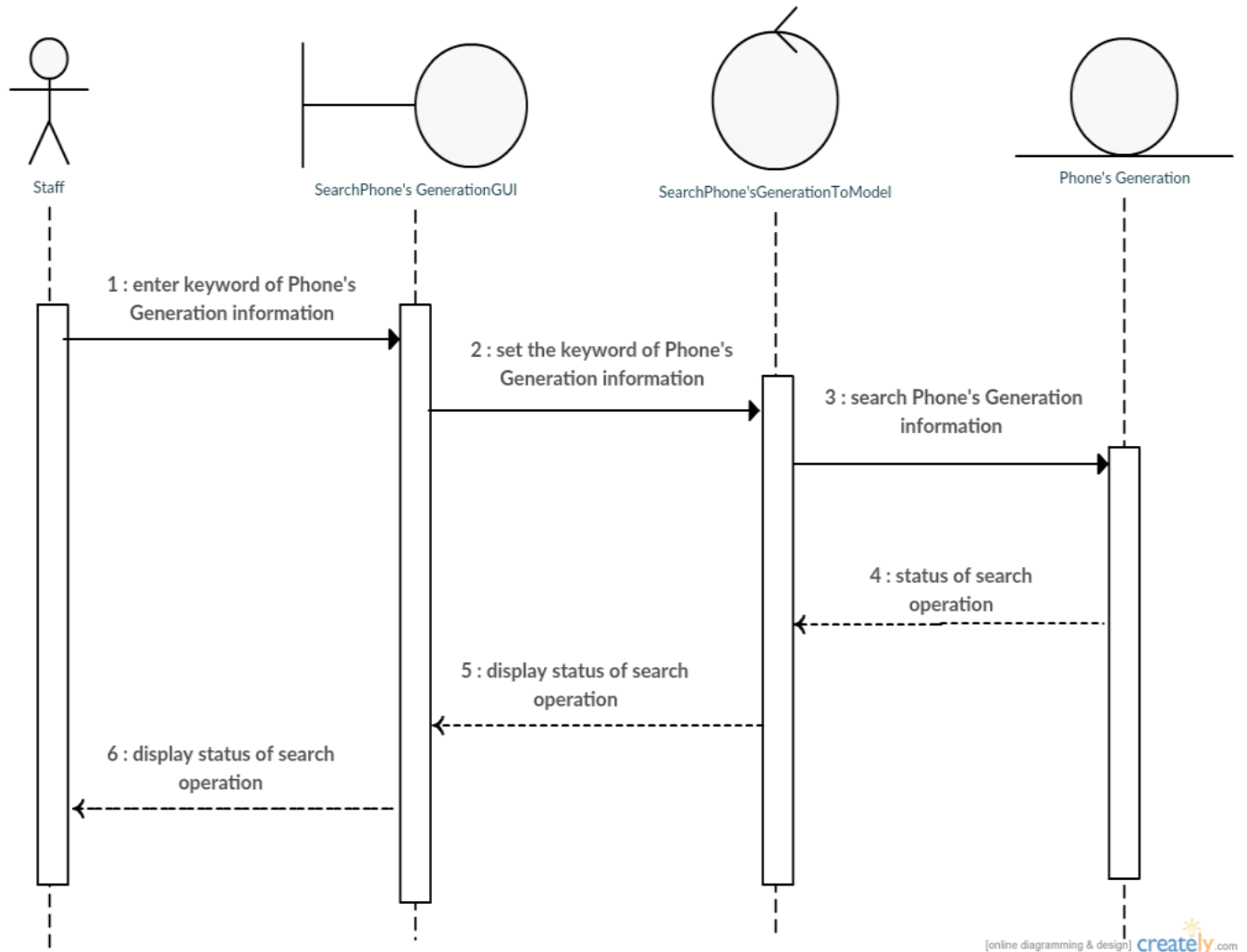
- This diagram describes the system scenario of “UC213: Delete Phone’s Generation”



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Sequence Diagram demonstrating operation “search Phone’s Generation”

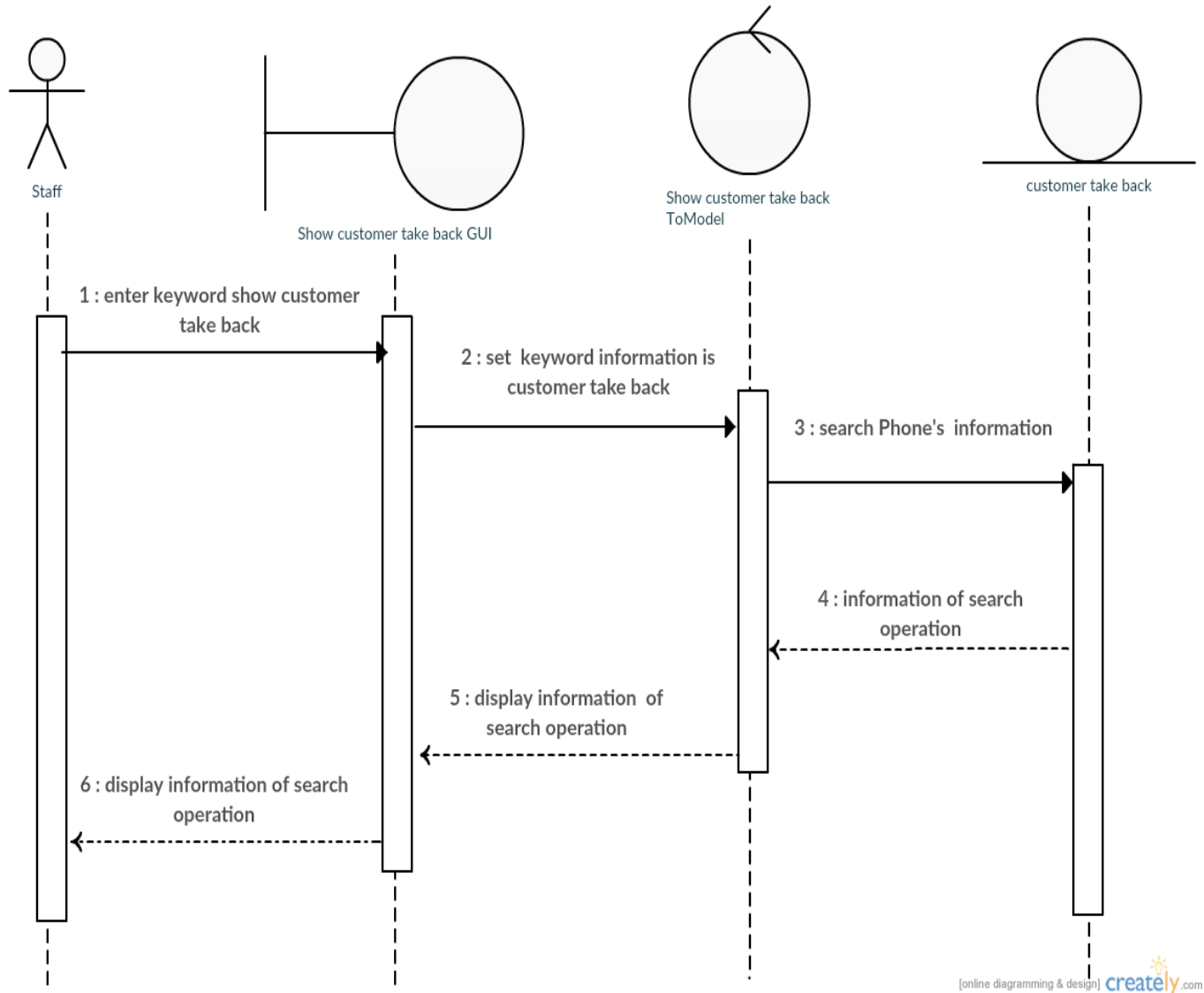
- This diagram describes the system scenario of “UC214: Search Phone’s Generation”



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Sequence Diagram demonstrating operation “show customer take back”

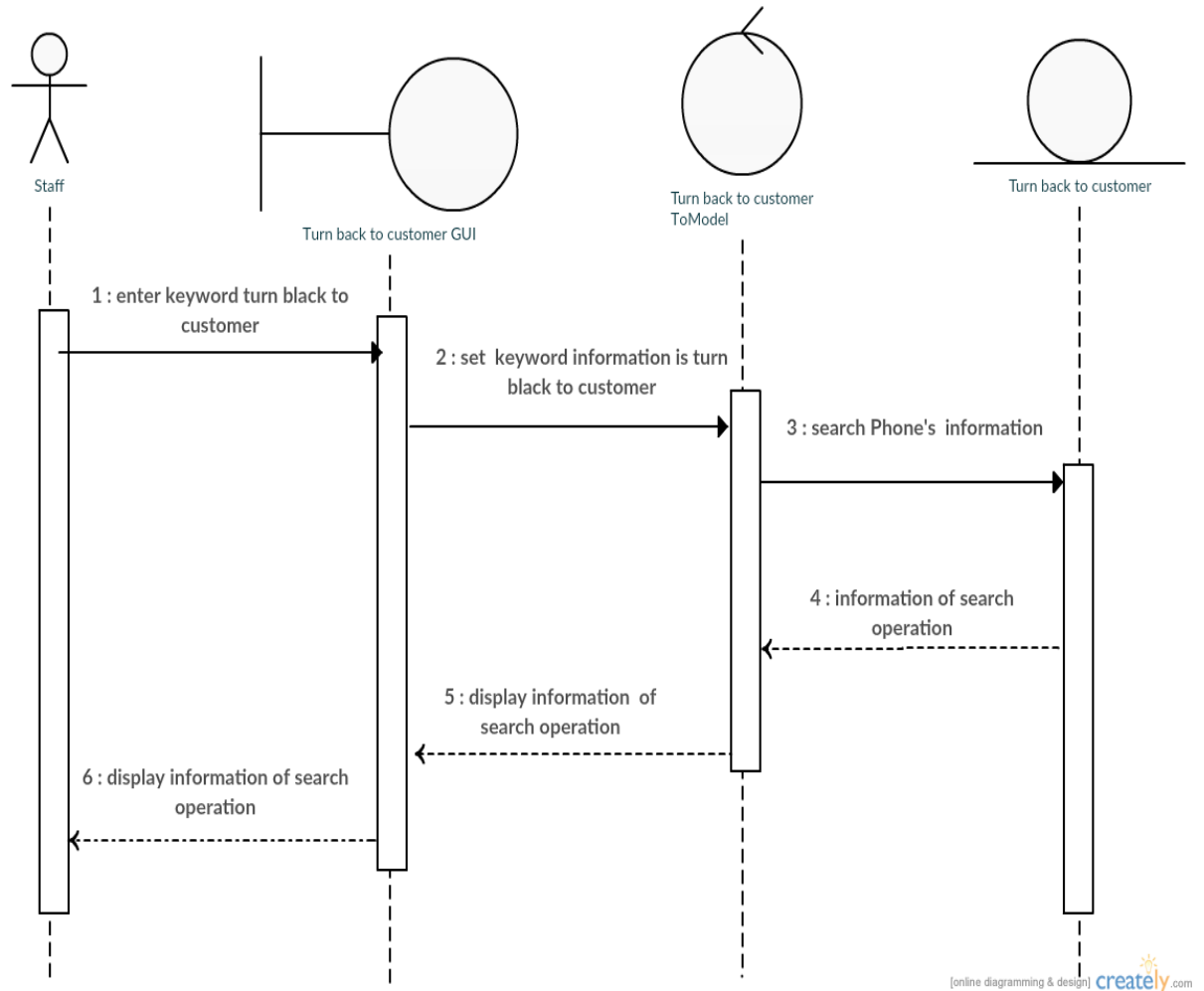
- This diagram describes the system scenario of “UC311: show customer take back”



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Sequence Diagram demonstrating operation “turn back to customer”

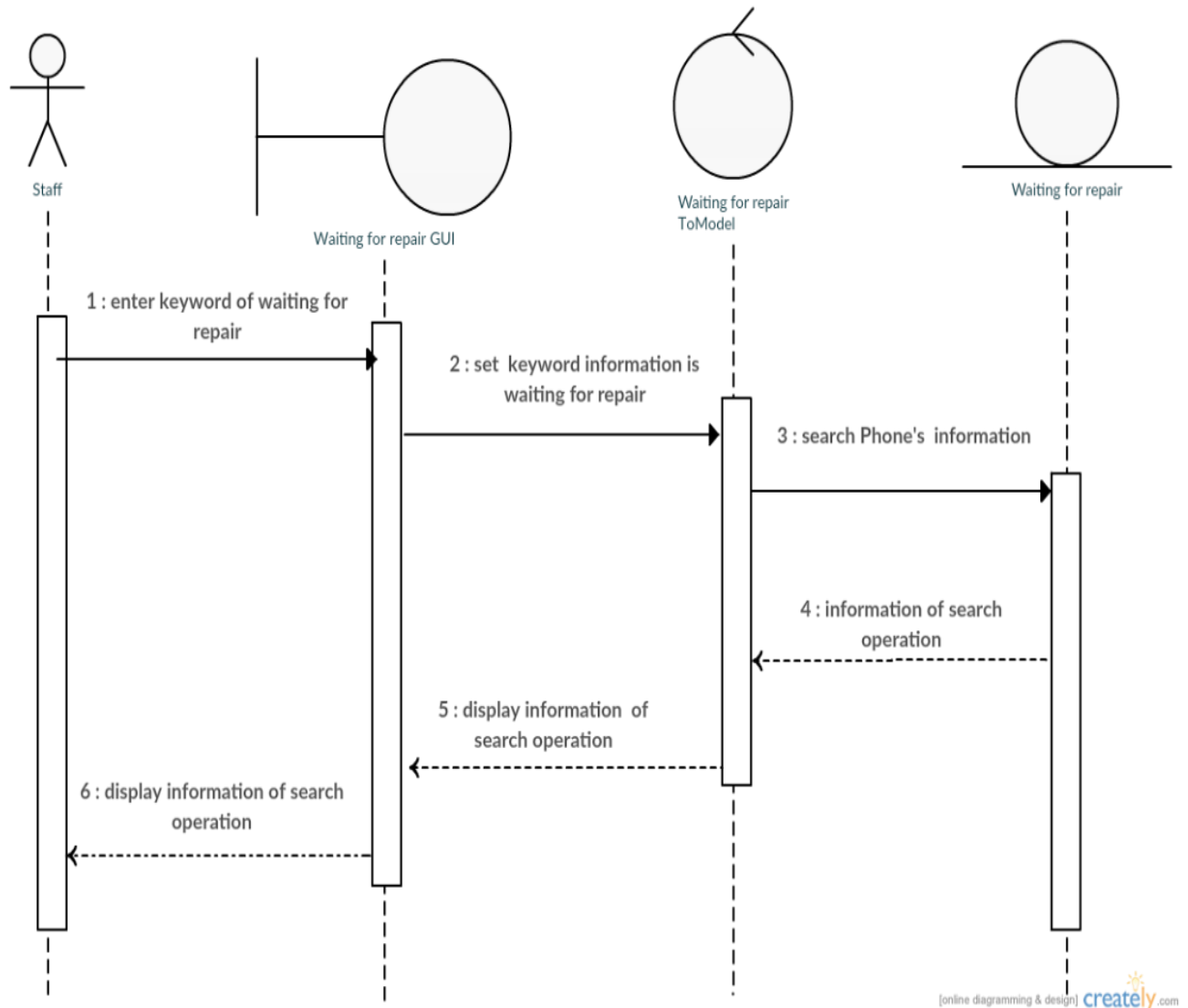
- This diagram describes the system scenario of “UC312: turn back to customer”



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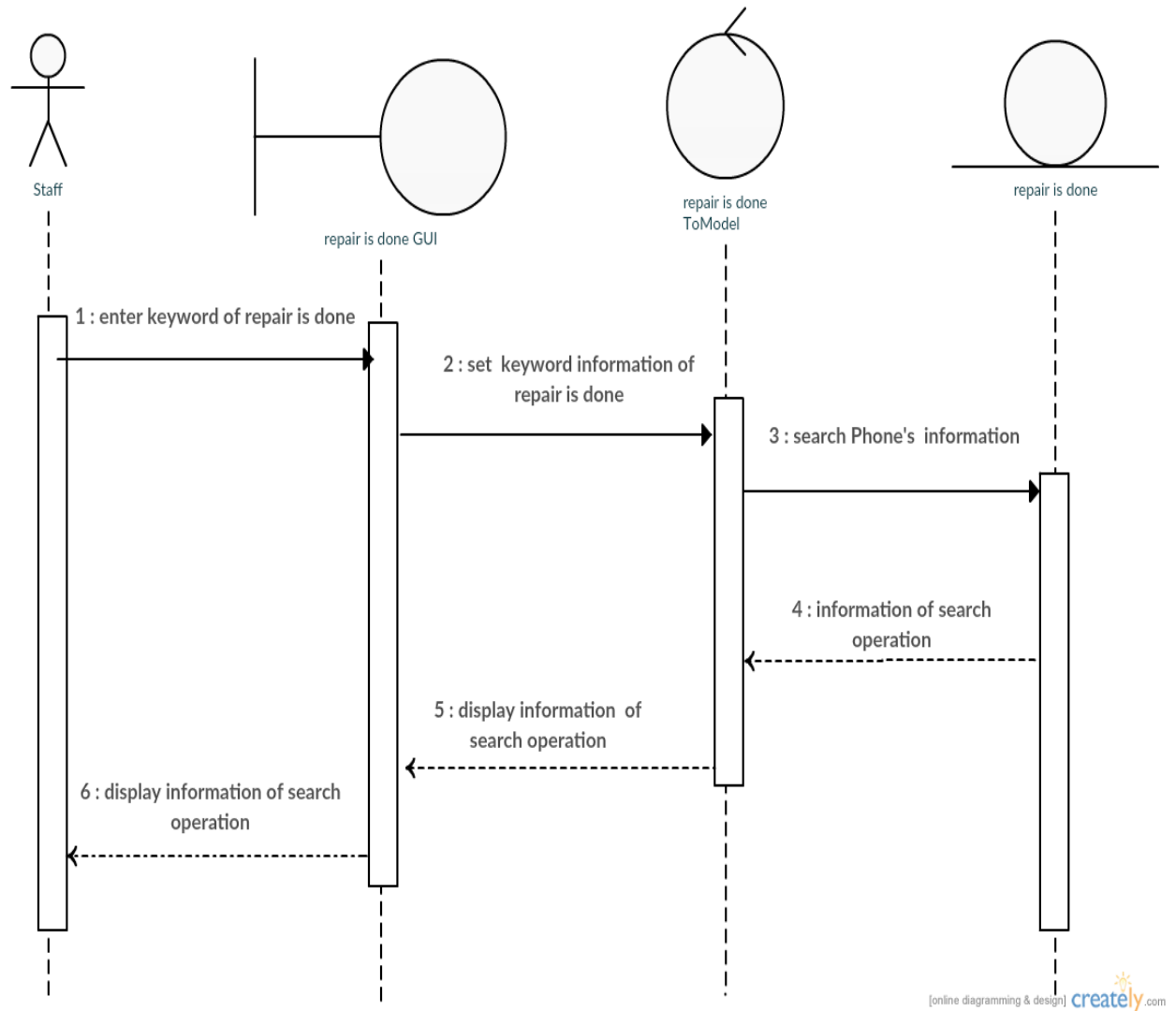
Sequence Diagram demonstrating operation “waiting for repair”

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



Sequence Diagram demonstrating operation “repair is done”

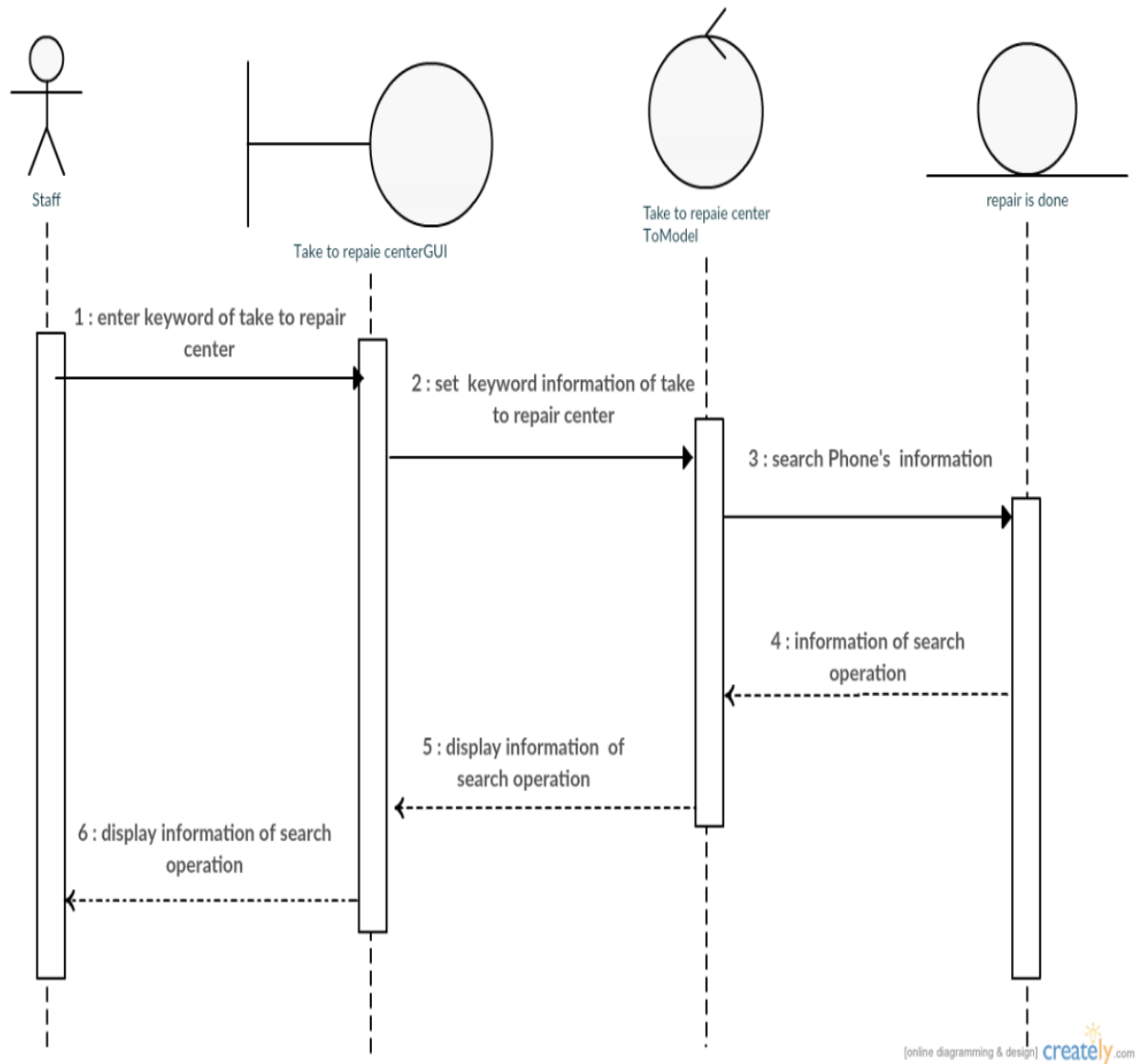
- This diagram describes the system scenario of “UC314: repair is done”



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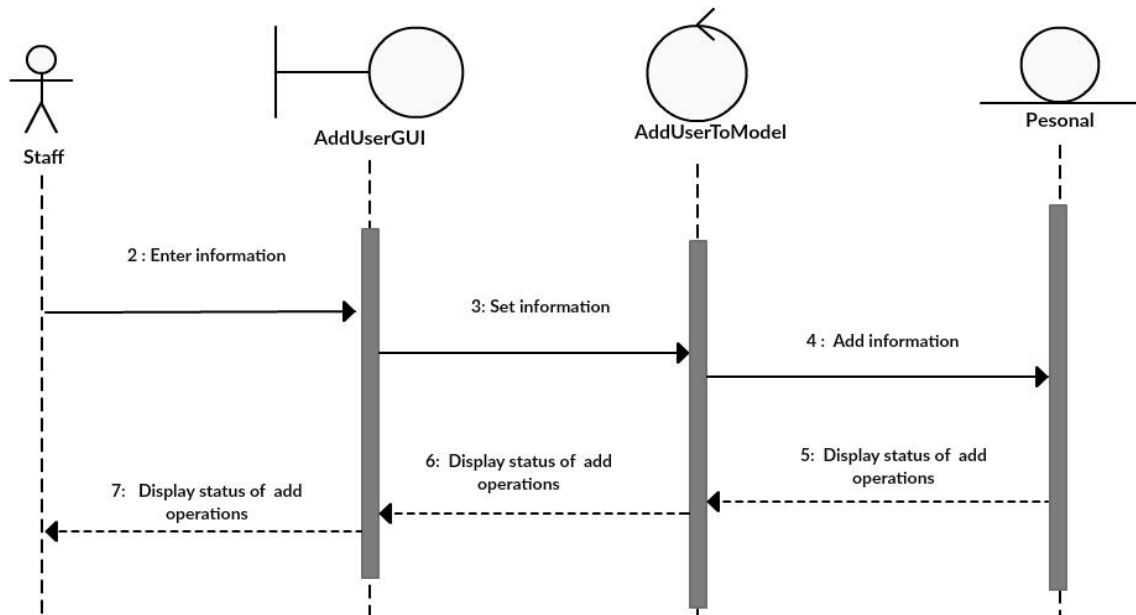
Sequence Diagram demonstrating operation “Take to repair canter”

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



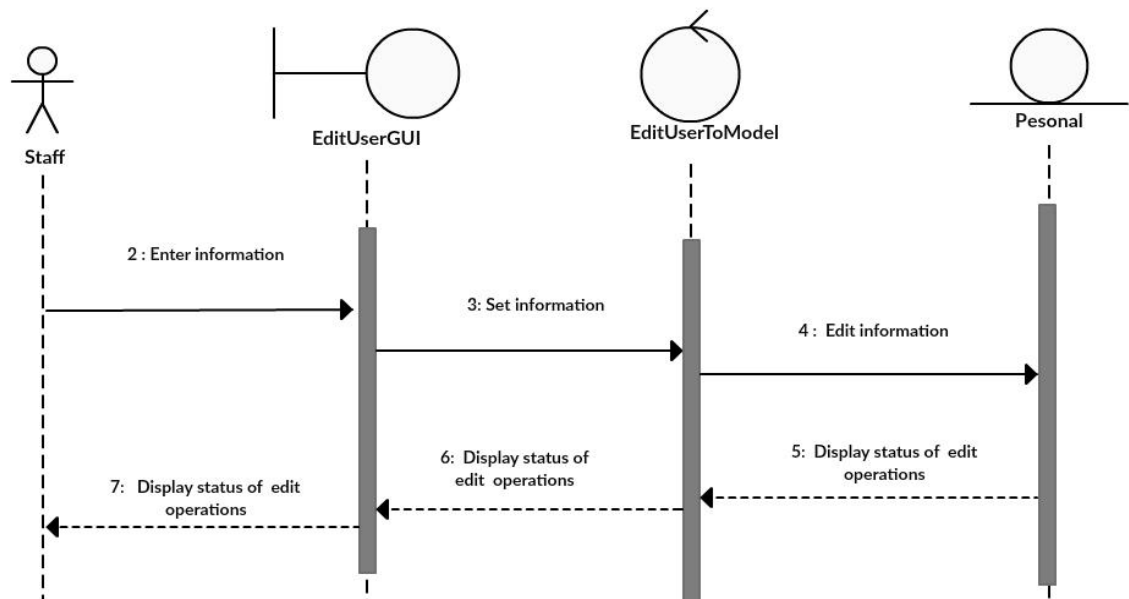
Sequence Diagram demonstrating operation “Add User, Edit User, Delete User, Add repairman”

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



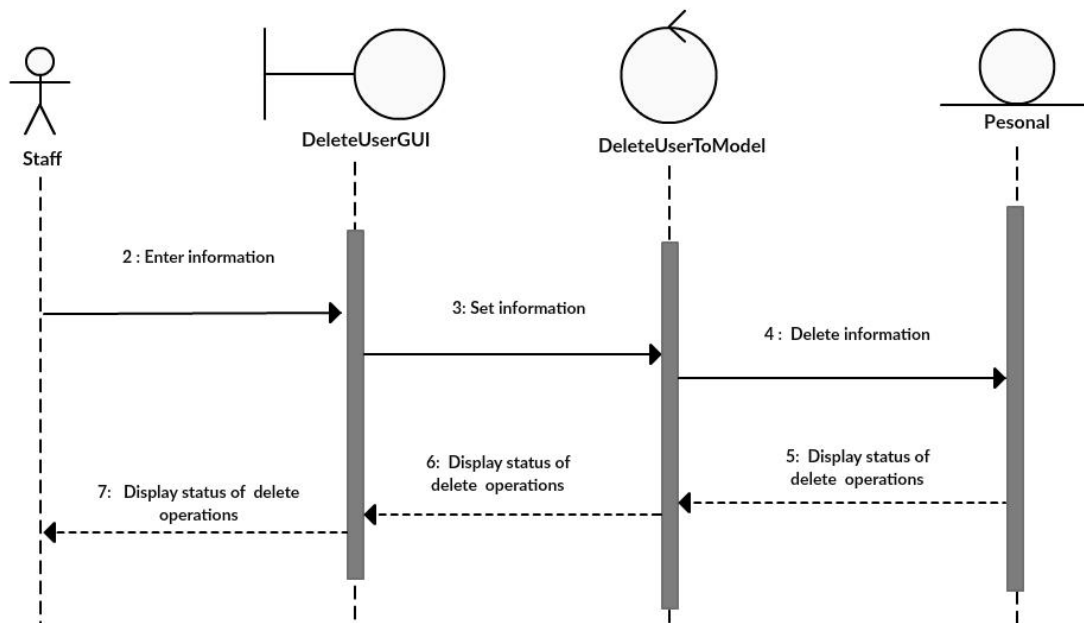
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- This diagram describes the system scenario of “UC412: Edit User”



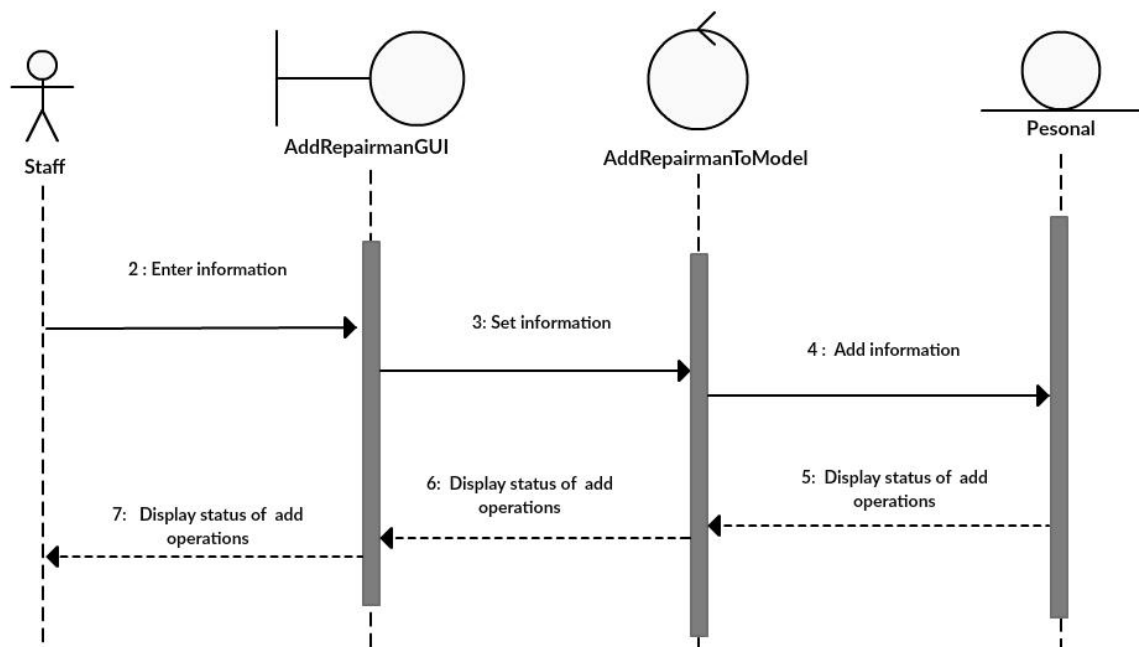
Mr.Sitta Chumklaew 5730213074

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



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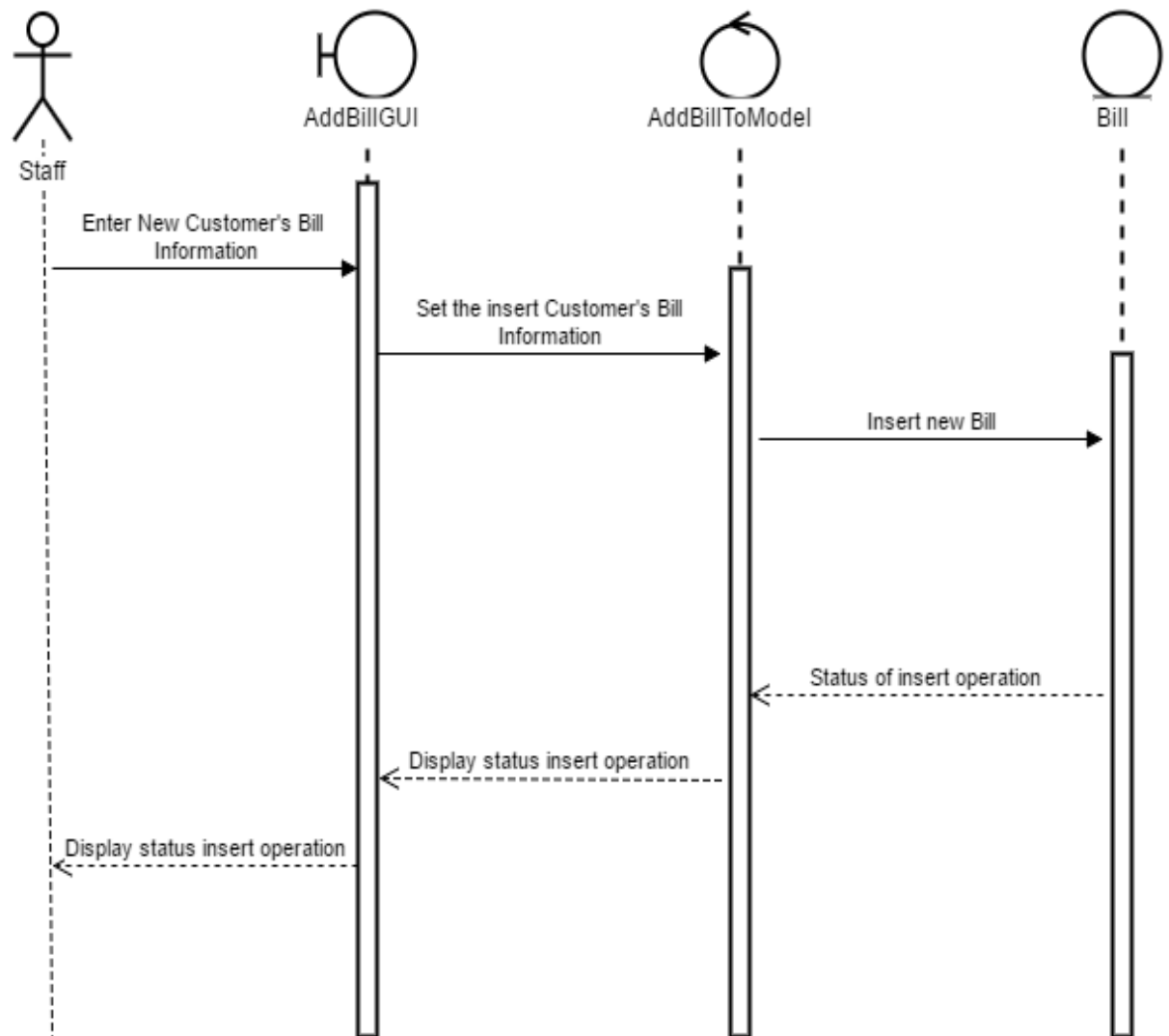
- This diagram describes the system scenario of “UC414:Bill Repairs”



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Sequence Diagram demonstrating operation “add Bill”

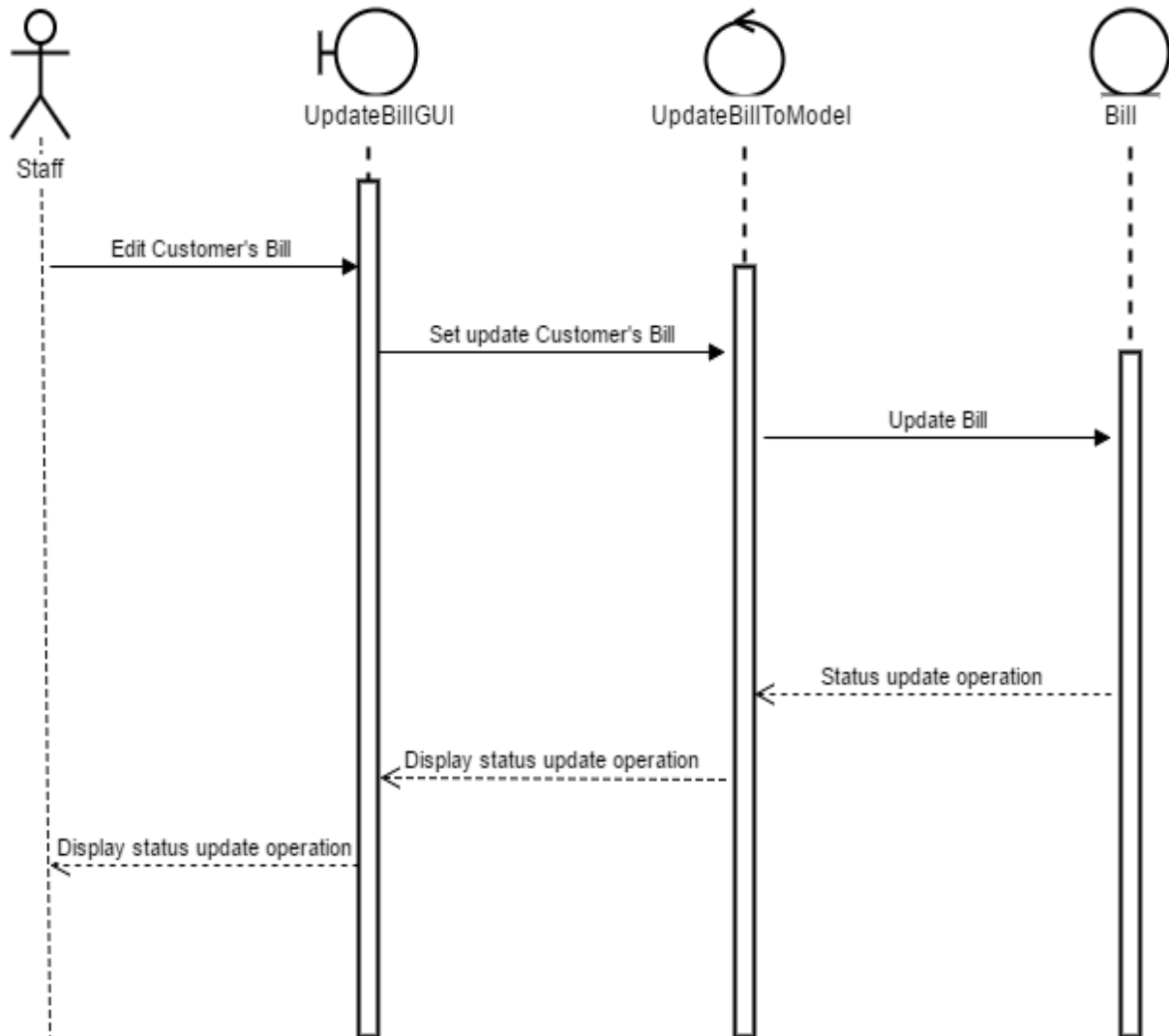
- This diagram describes the system scenario of “UC511: Add Bill”



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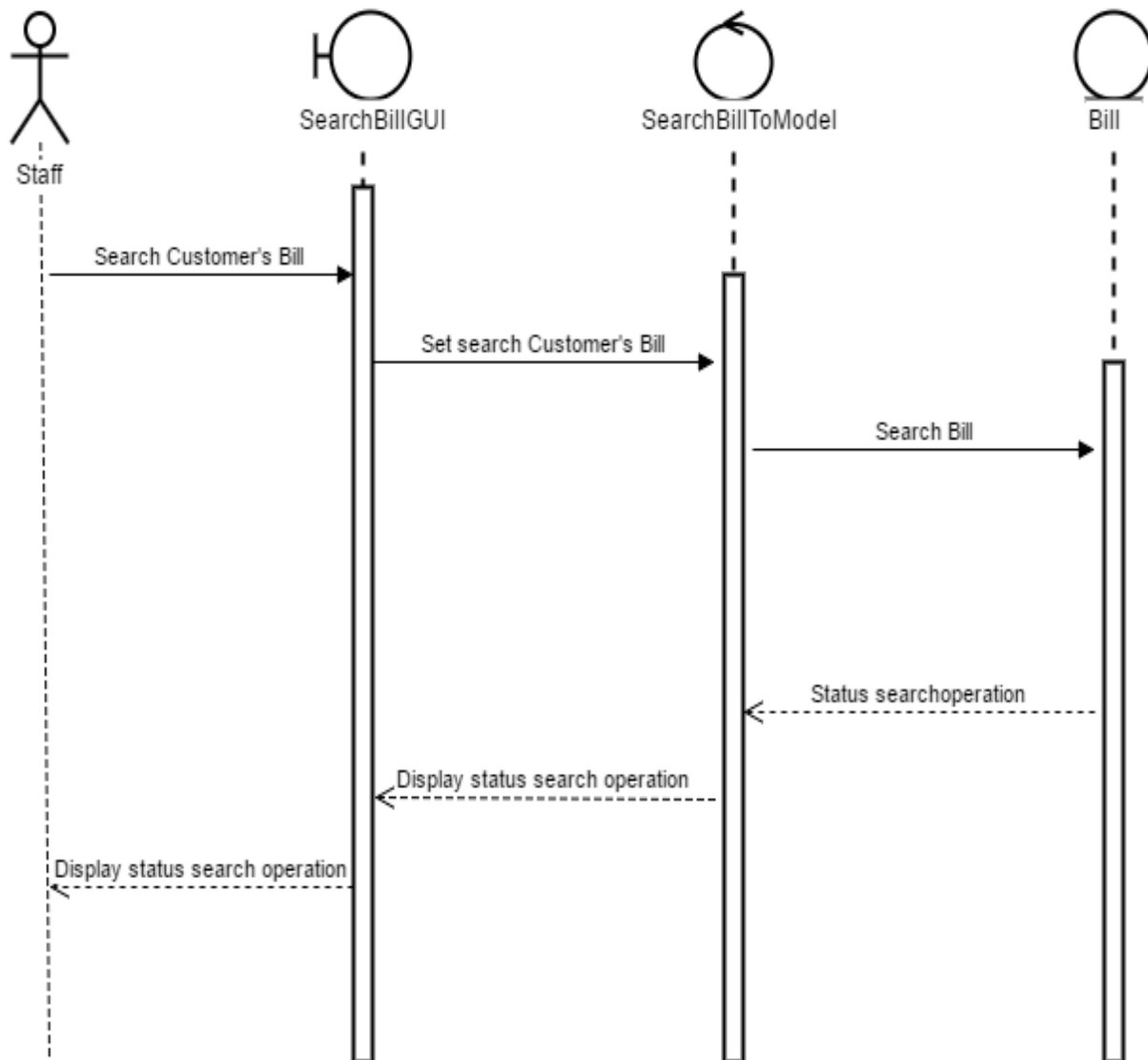
Sequence Diagram demonstrating operation “Update Bill”

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



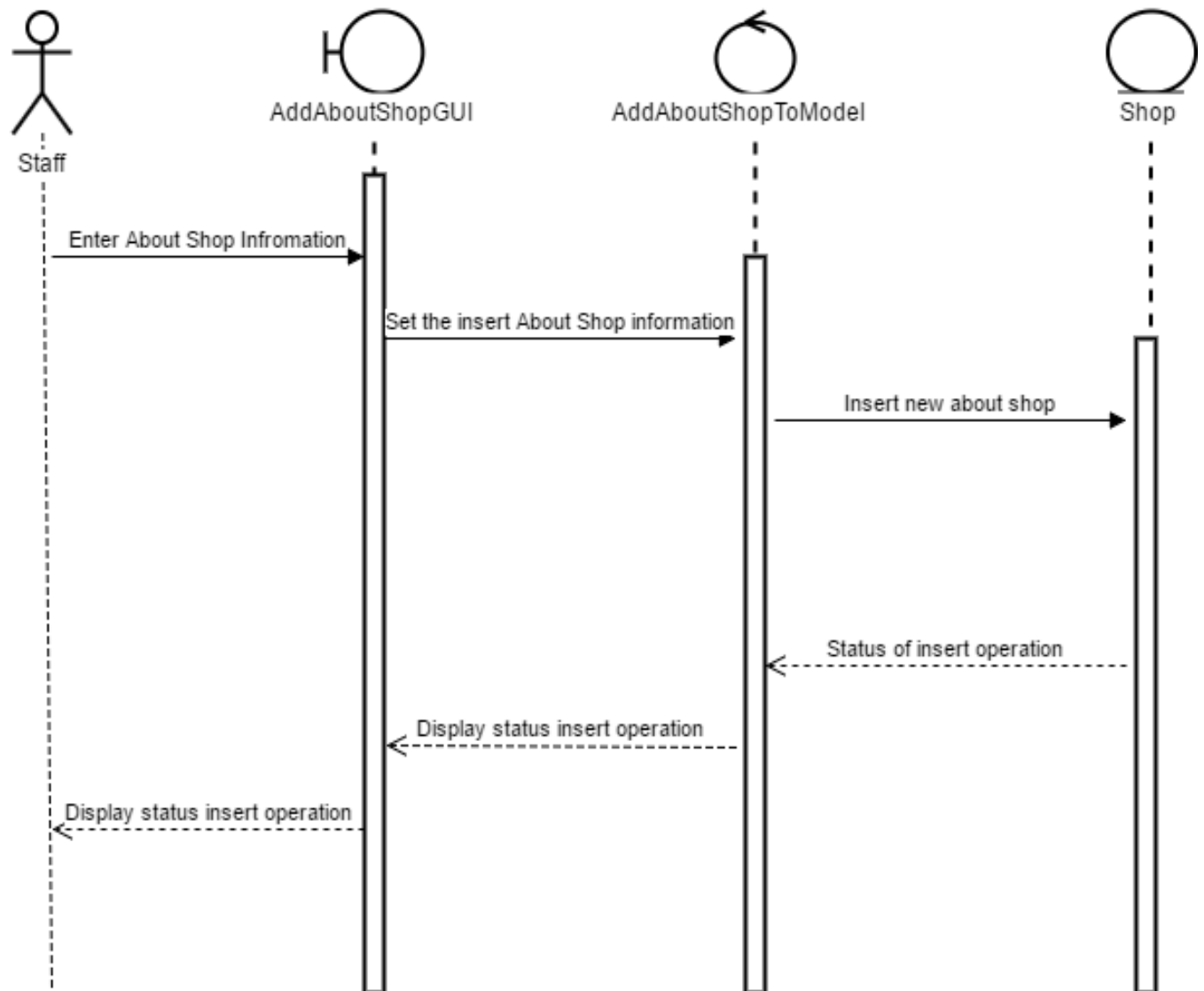
Sequence Diagram demonstrating operation “Search Bill”

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



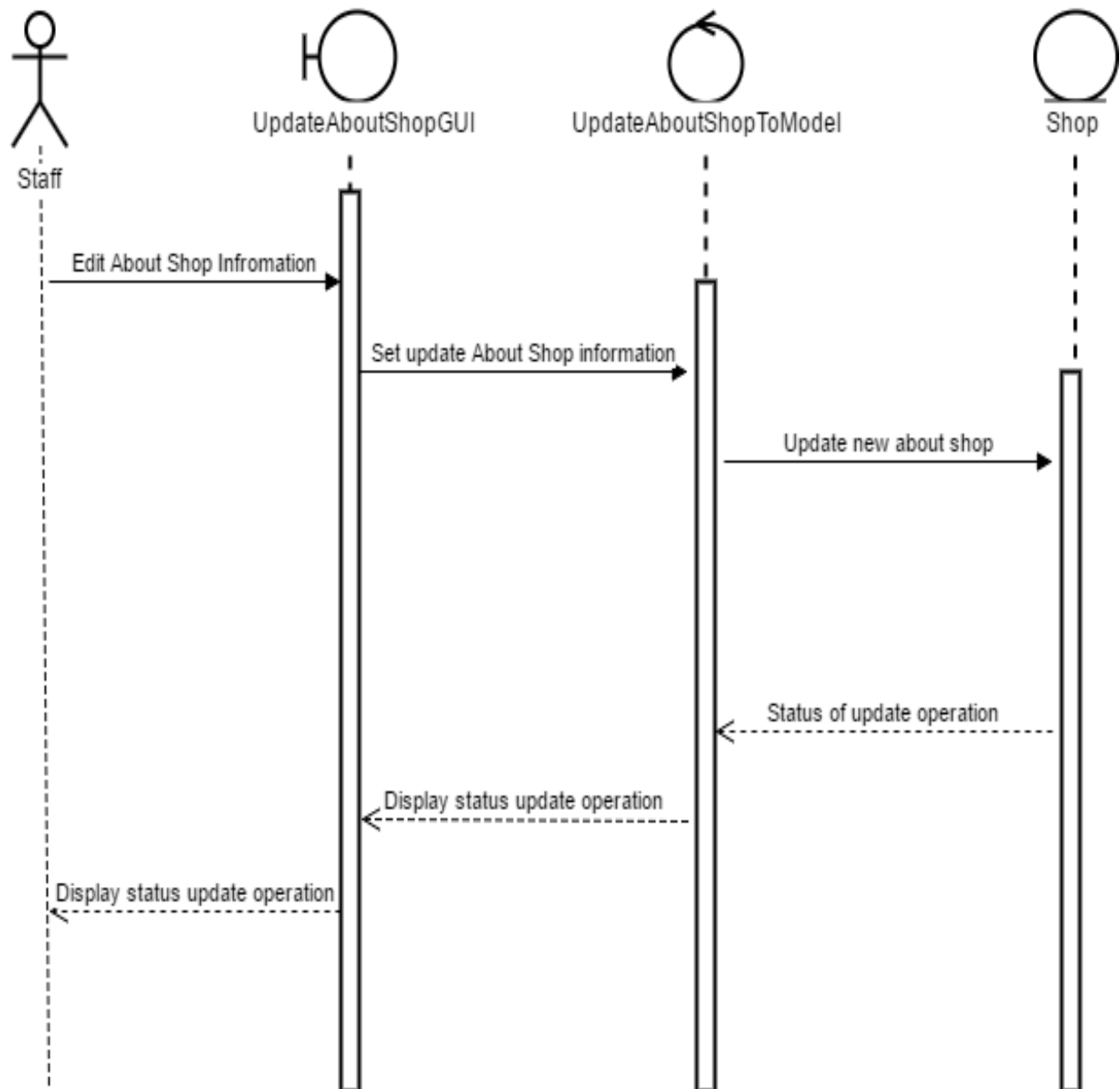
Sequence Diagram demonstrating operation “Add About Shop”

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



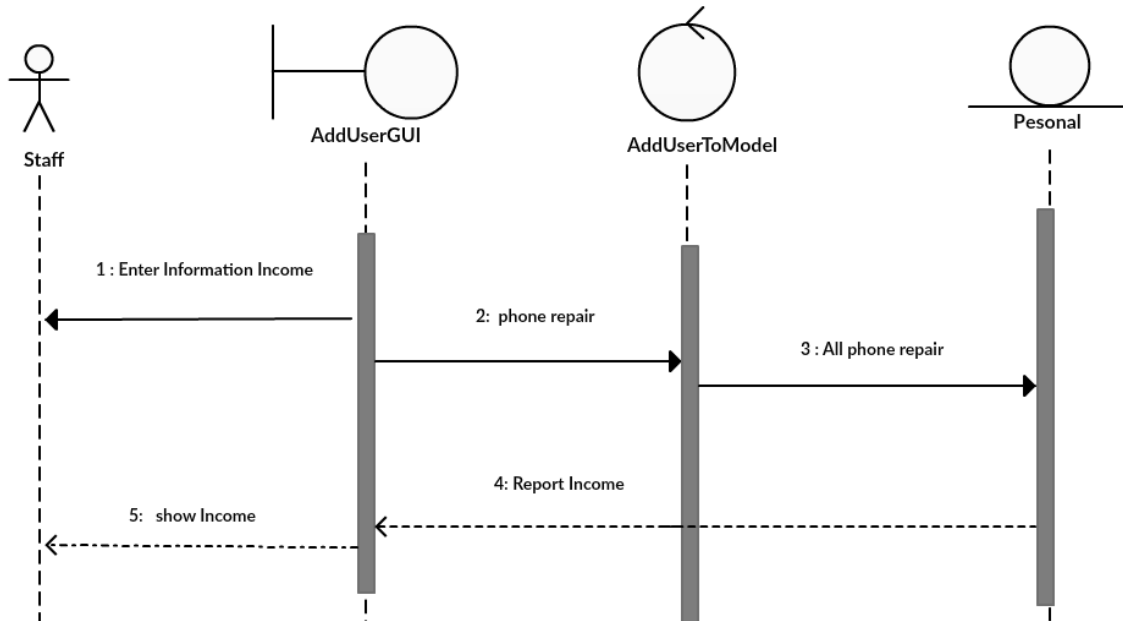
Sequence Diagram demonstrating operation “Update About Shop”

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



Sequence Diagram demonstrating operation “In come”

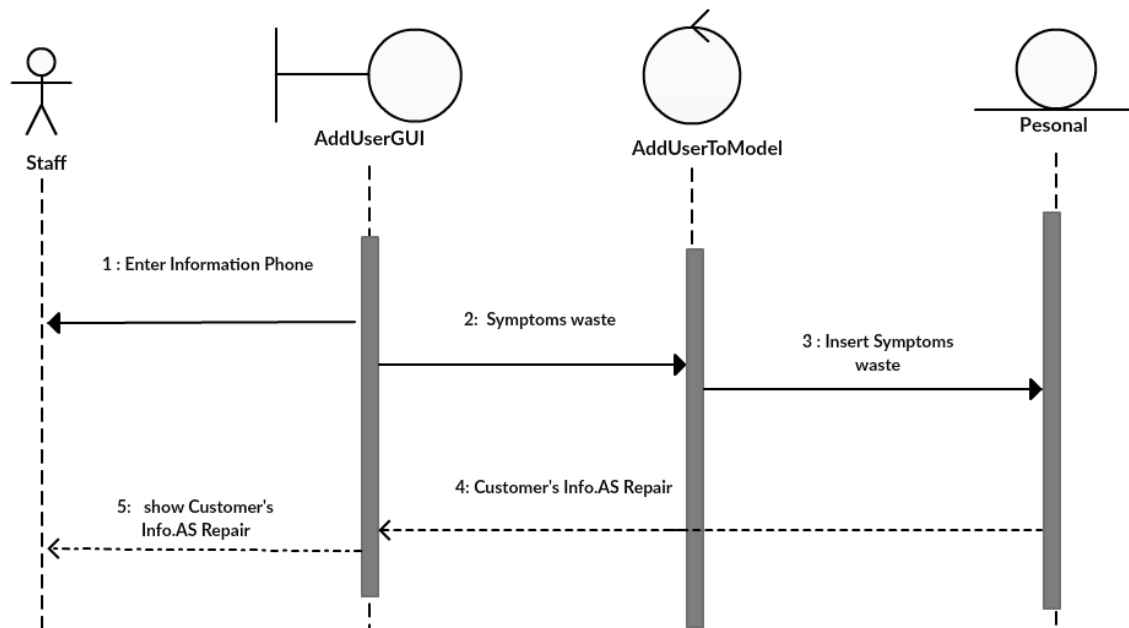
- This diagram describes the system scenario of “UC611: Income”



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

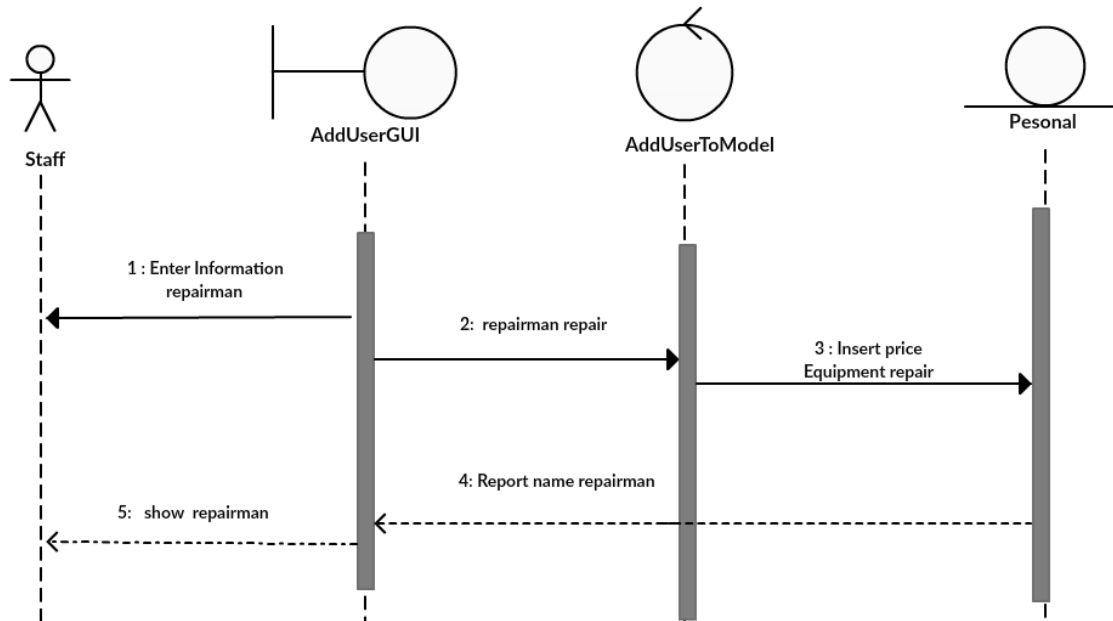
- This diagram describes the system scenario of “UC612:Customer’s Info. As Repair ”



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Sequence Diagram demonstrating operation “Repairman”

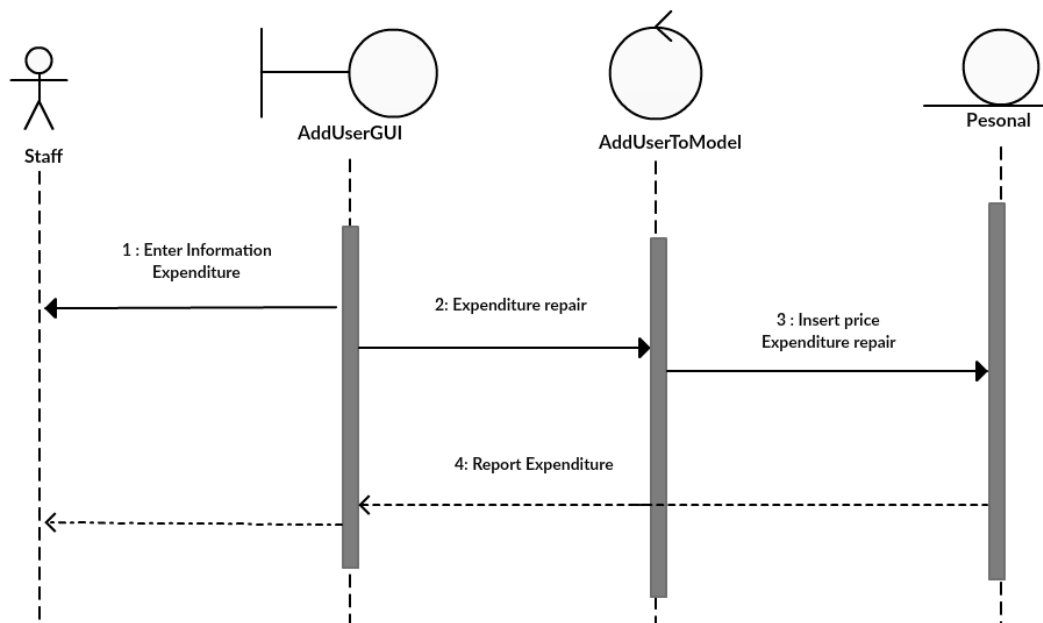
- This diagram describes the system scenario of “UC613: Repairman”



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Sequence Diagram demonstrating operation “expenditure”

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



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