



Analysis Document

<CarCare Genius System >

Version 1.0

Prepare by

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<6/11/2016

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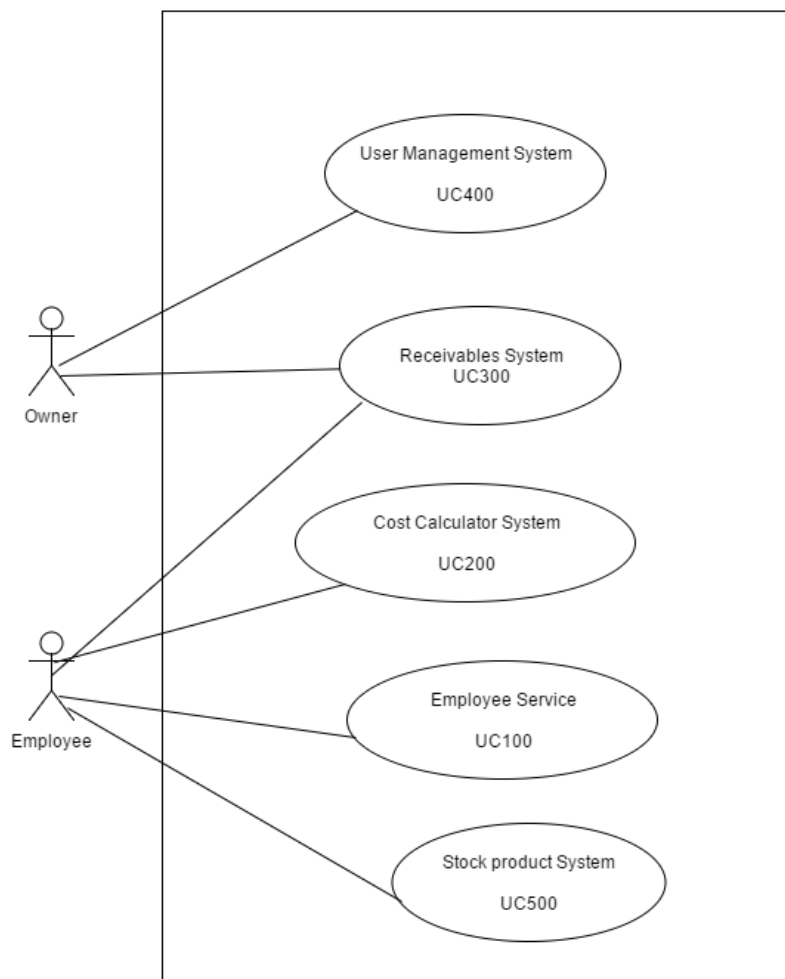
1. Revision History

Revision History identify changes to the Design Document.

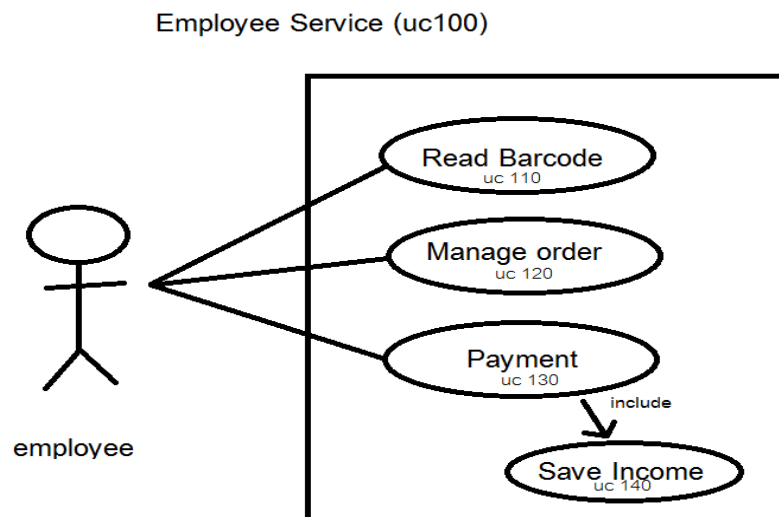
Name	Date	Description	Version
CarCare genius	6/11/2016	Analysis Document	1.0

2. Use Case Overview

Use Case Diagram Level 0: Carcare Genius System

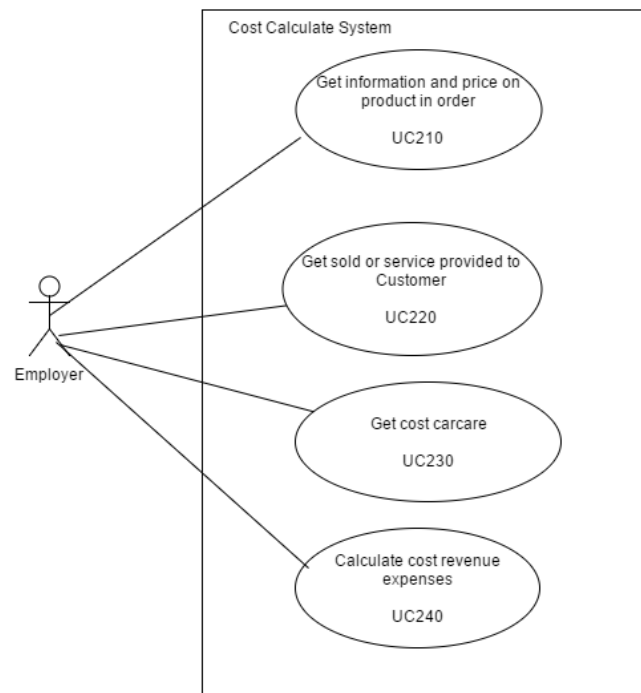


Use Case Diagram Level 1: Employee Service(UC100)



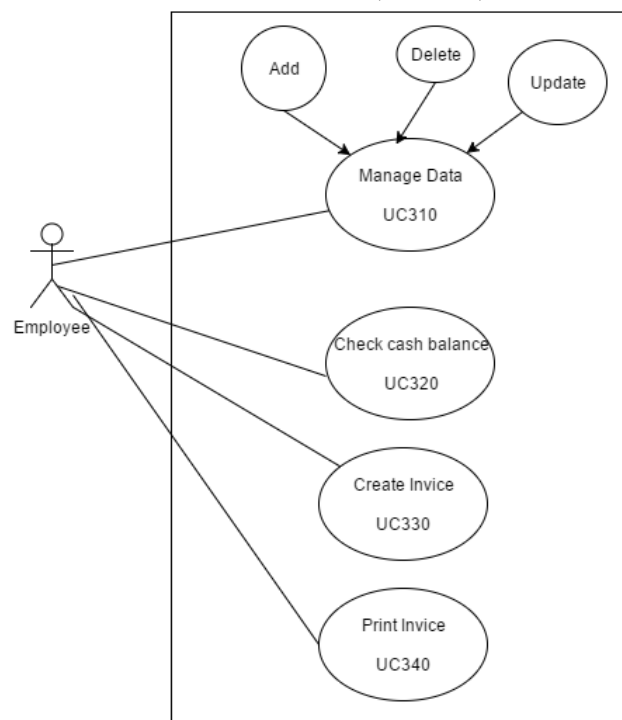
นายรัฐกิตติ ธนาศักดิ์กุลศิริ 5730213028

Use Case Diagram Level 1: Cost Calculator System (UC200)



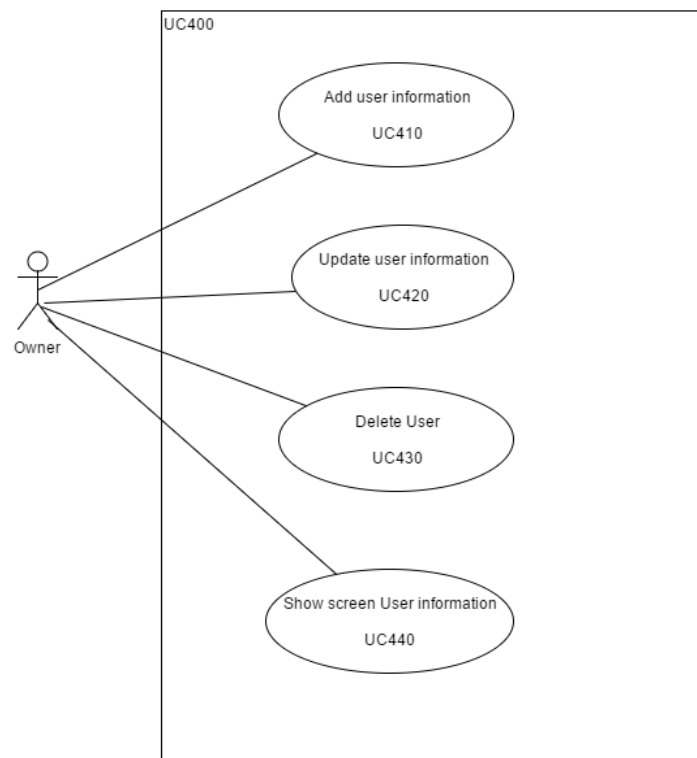
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Use Case Diagram Level 1: Receivables System (UC300)



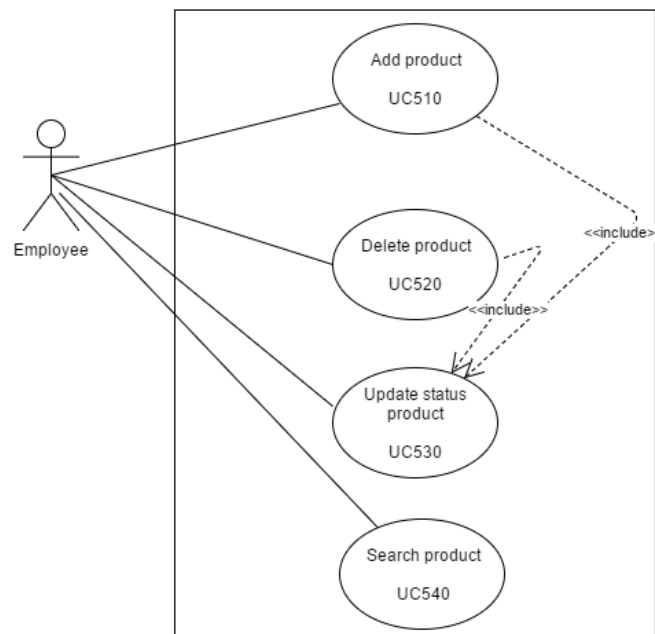
นาย ศรินทร์ยู พรหมแสงรัตน์ 5730213036

Use Case Diagram Level 1: User Management System(UC400)



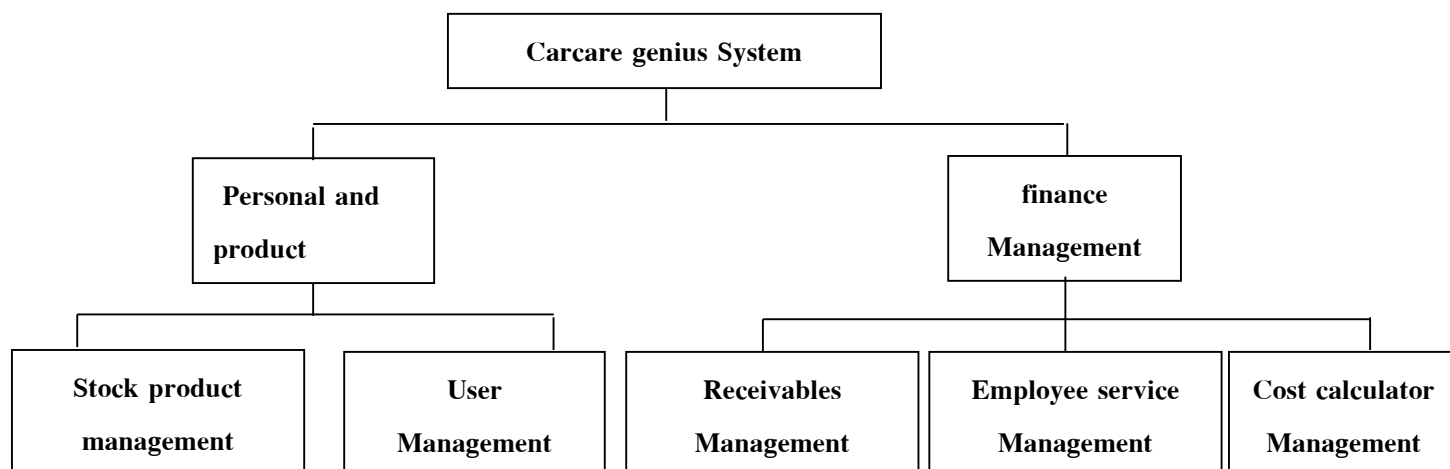
นาย ธรรมรัตน์ นาครัตน์ 5730213062

Use Case Diagram Level 1: Stock product System(UC500)



นาย วิทวัส อนันนทชาติ 5730213055

3. System Structure

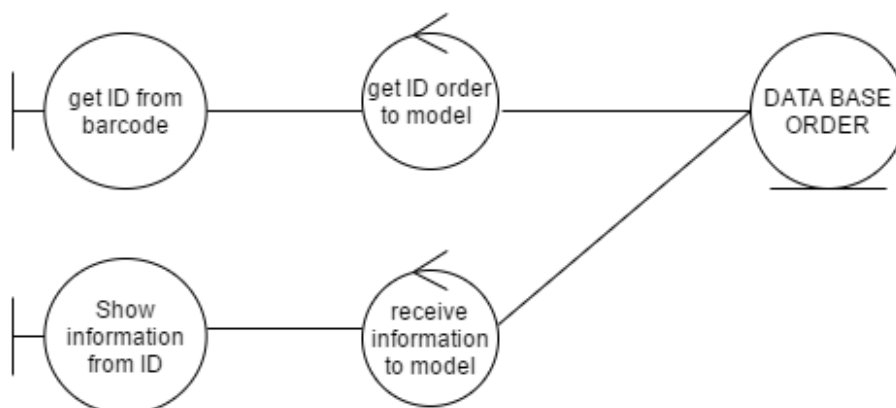


4. Static Structure and Data Analysis

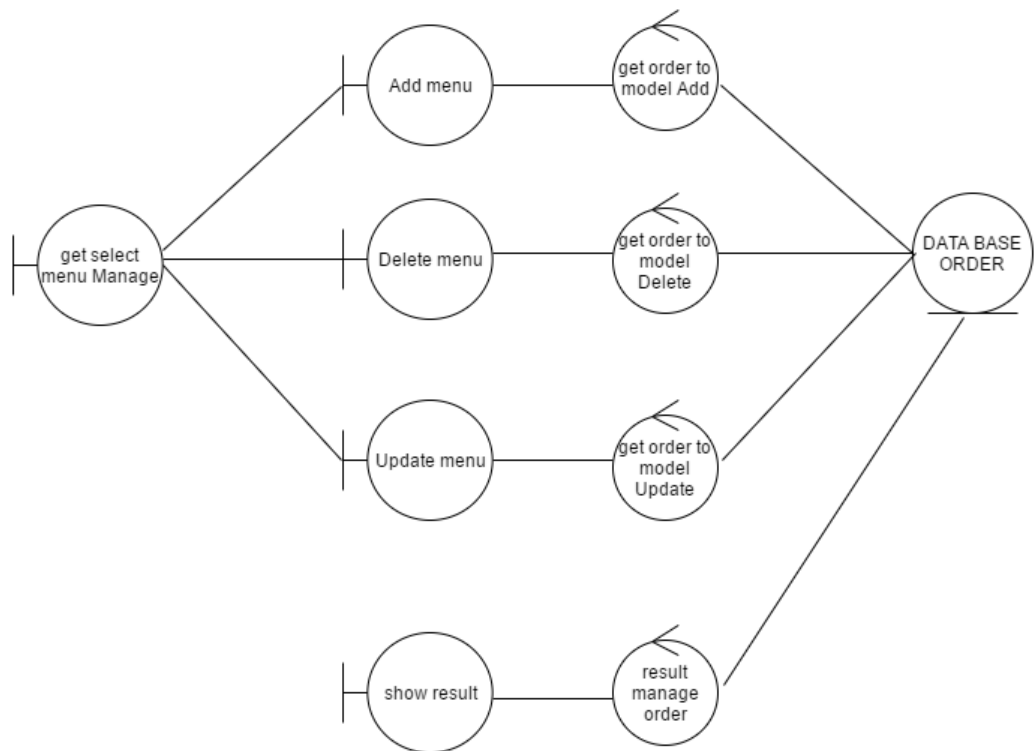
4.1 Model-View-Controller (MVC) Model

4.1.1 Employee service(UC100)

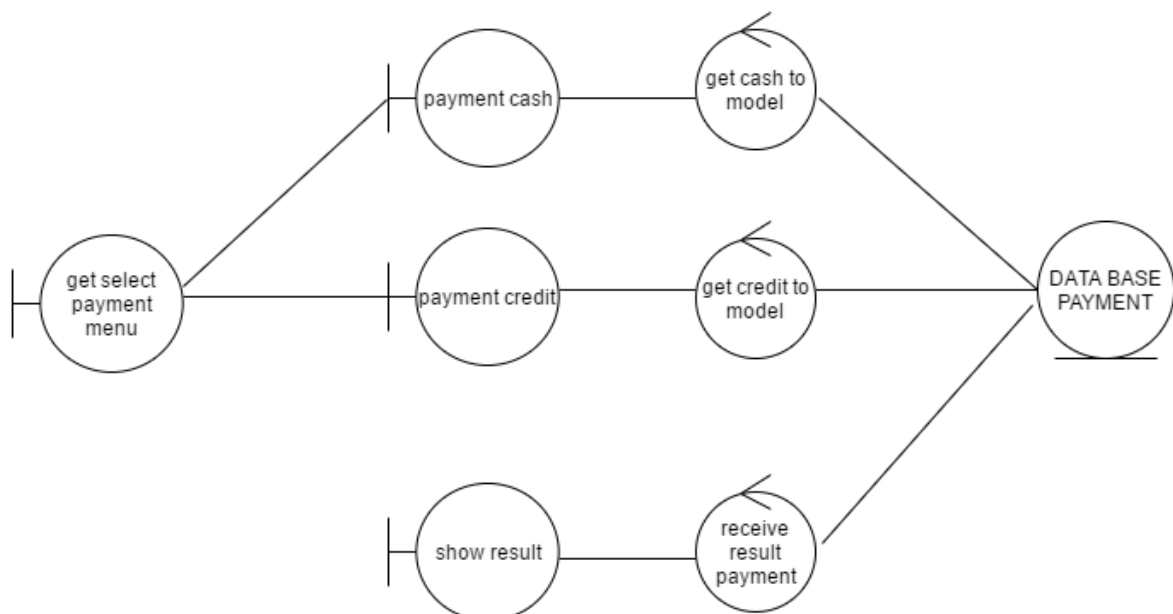
4.1.1.1 UC 110:Read Barcode



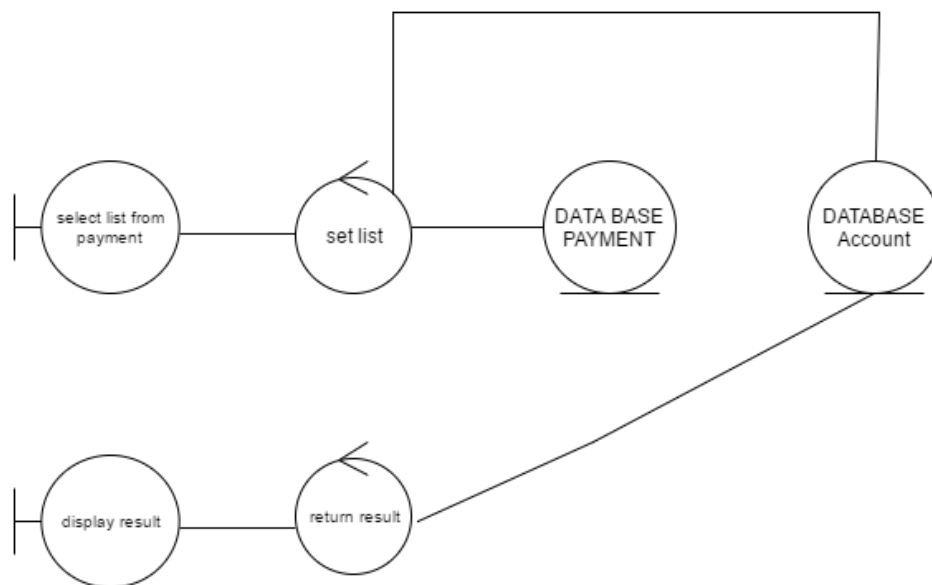
4.1.1.2 UC120:Manage order



4.1.1.3UC130 : Payment

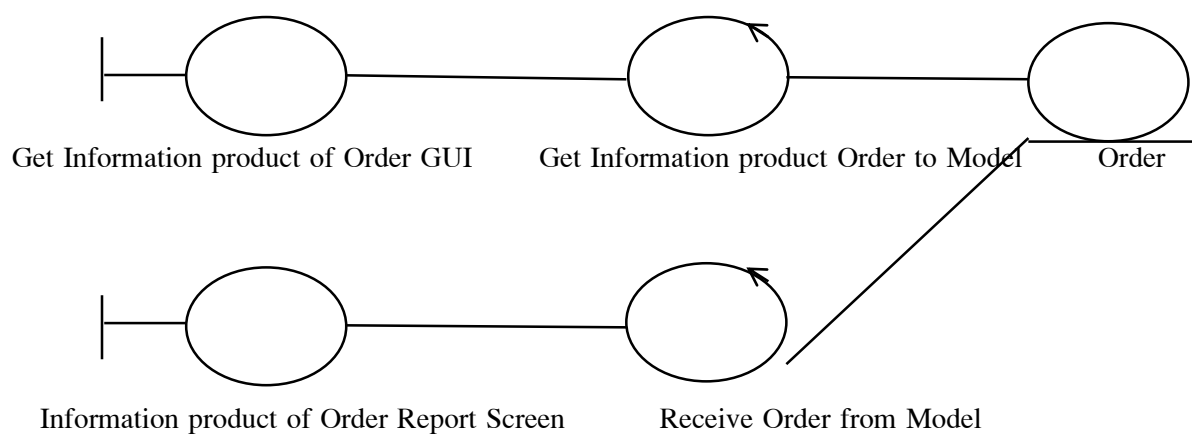


4.1.1.4 UC140:Saveincome

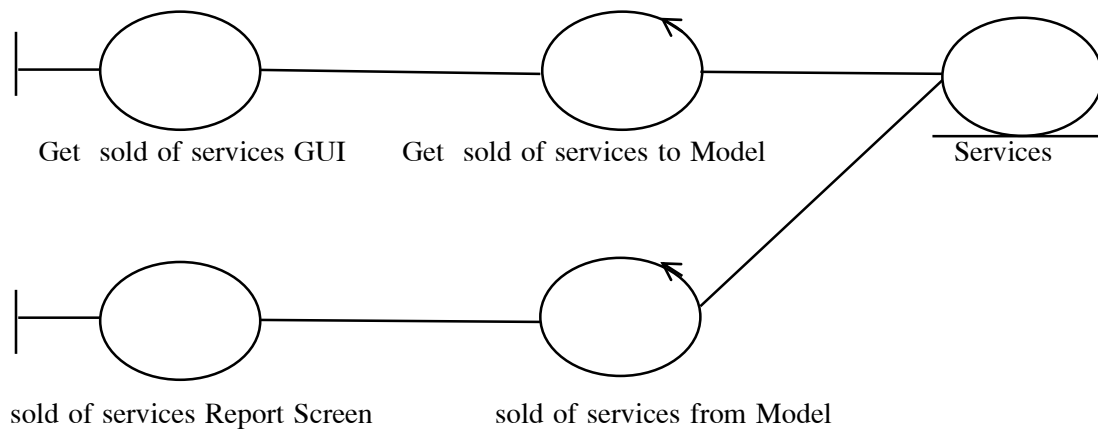


4.1.2 Cost Calculator

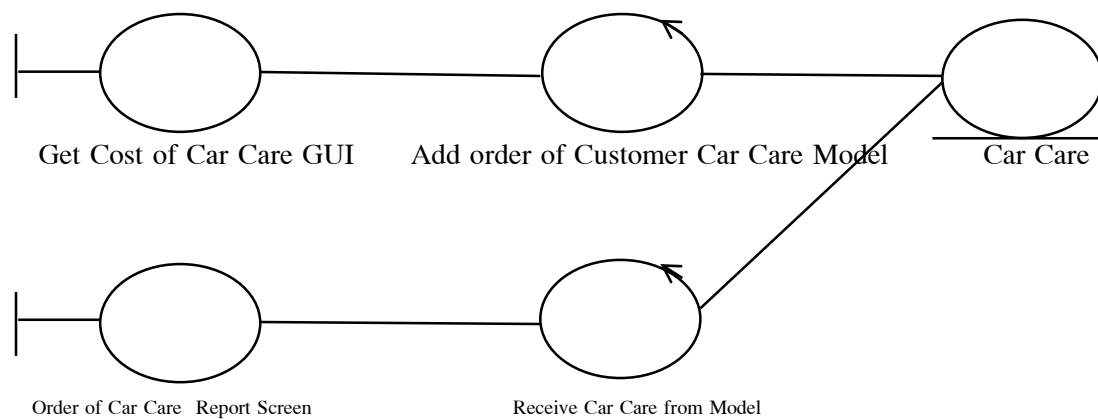
4.1.2.1 UC210:รับข้อมูลจากสินค้า



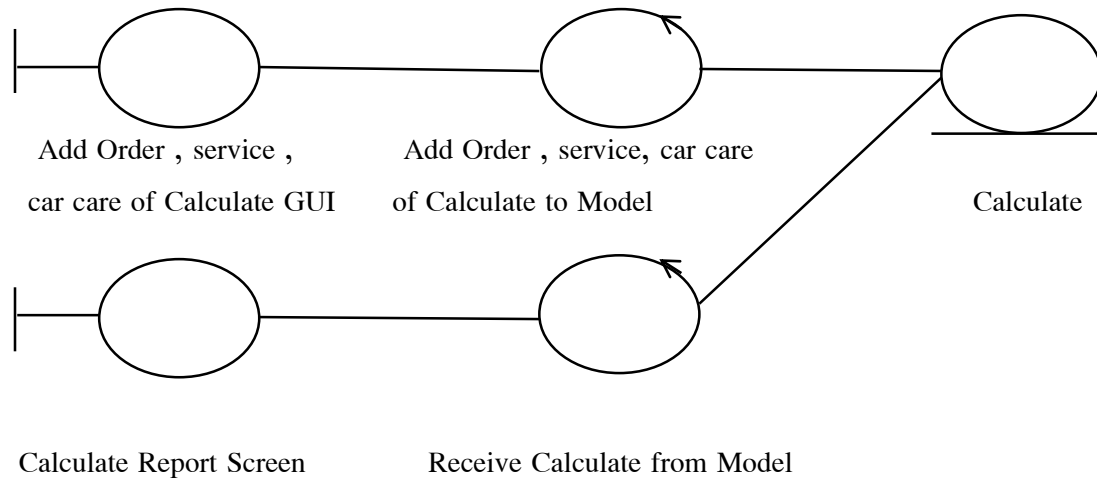
4.1.2.2 UC220:รับข้อมูลการบริการ



4.1.2.3 UC230รับข้อมูลค่าใช้จ่ายใน car care

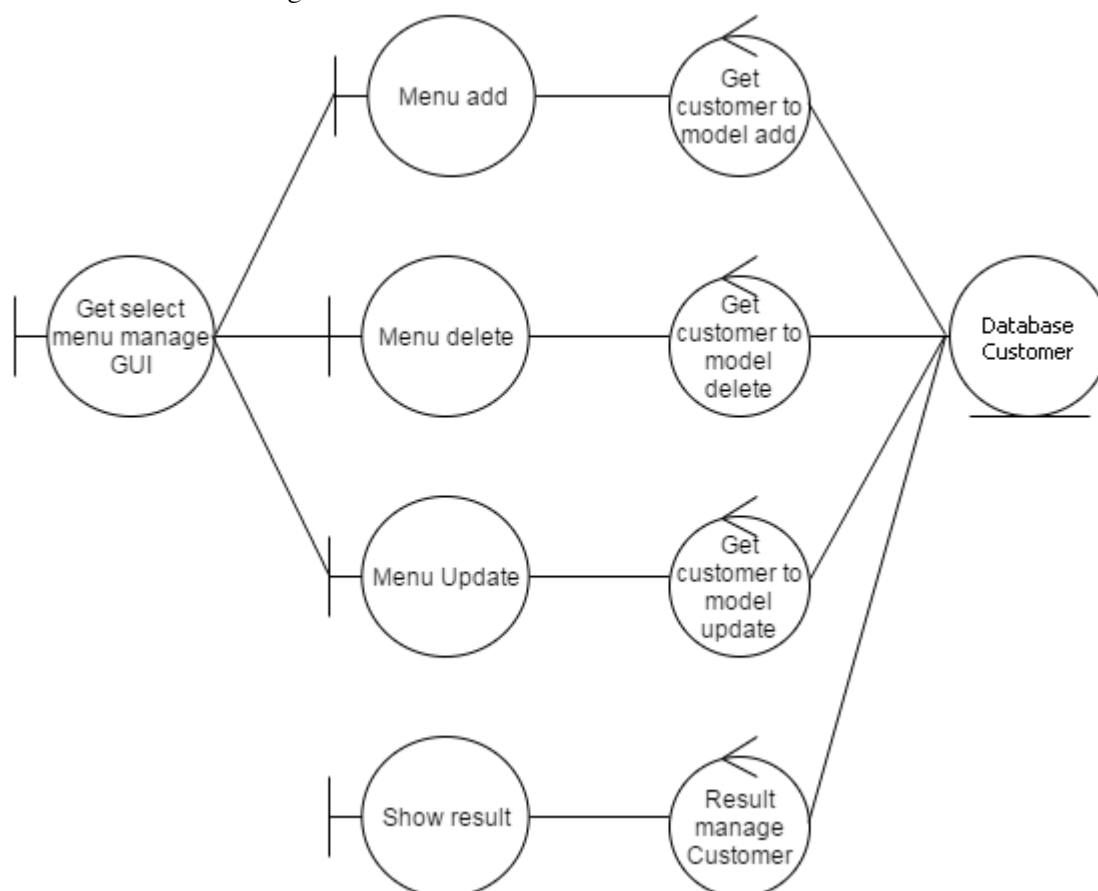


4.1.2.4 UC240คำนวณผลกำไร

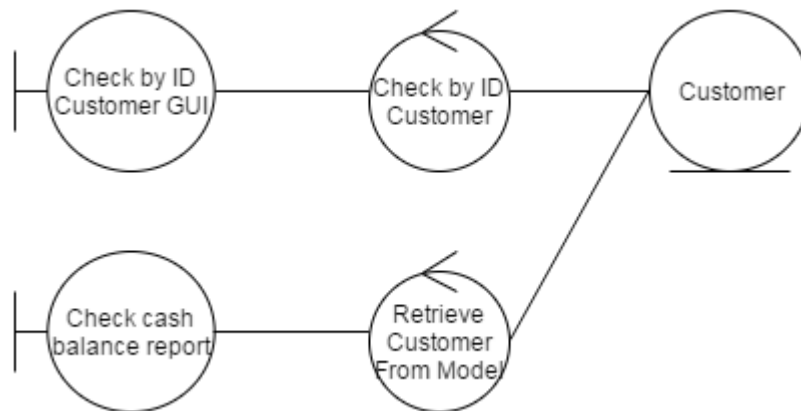


4.1.3 Receivables System (UC300)

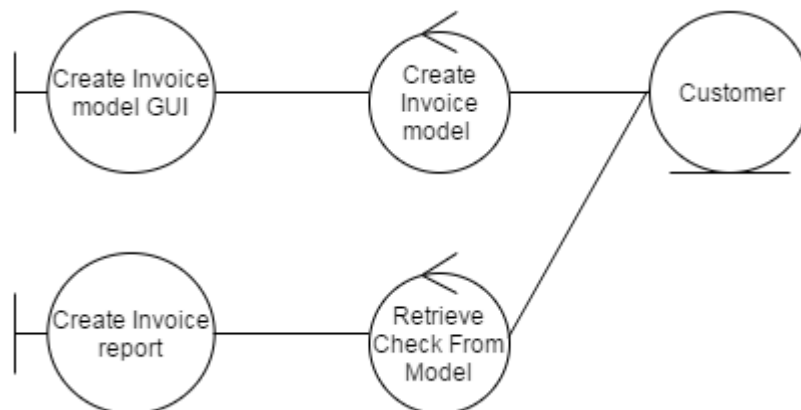
4.1.3.1 Manage data UC310



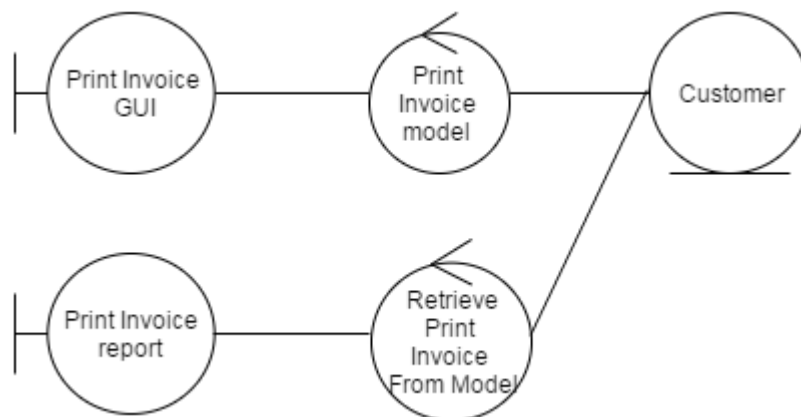
4.1.3.2 Check Cash balance UC320



4.1.3.3 Create Invoice UC330

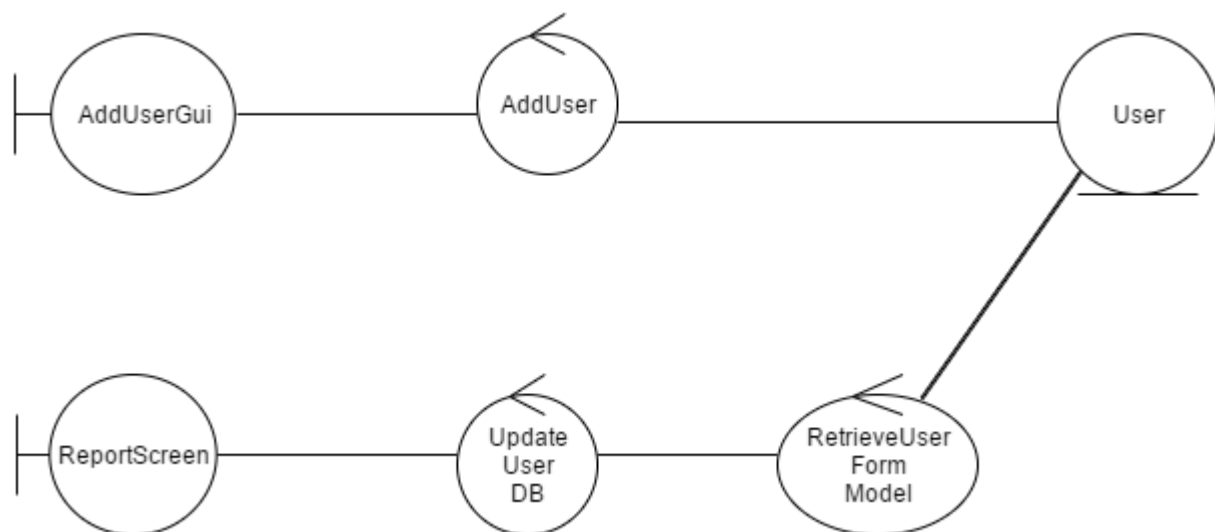


4.1.3.4 Print Invoice UC340

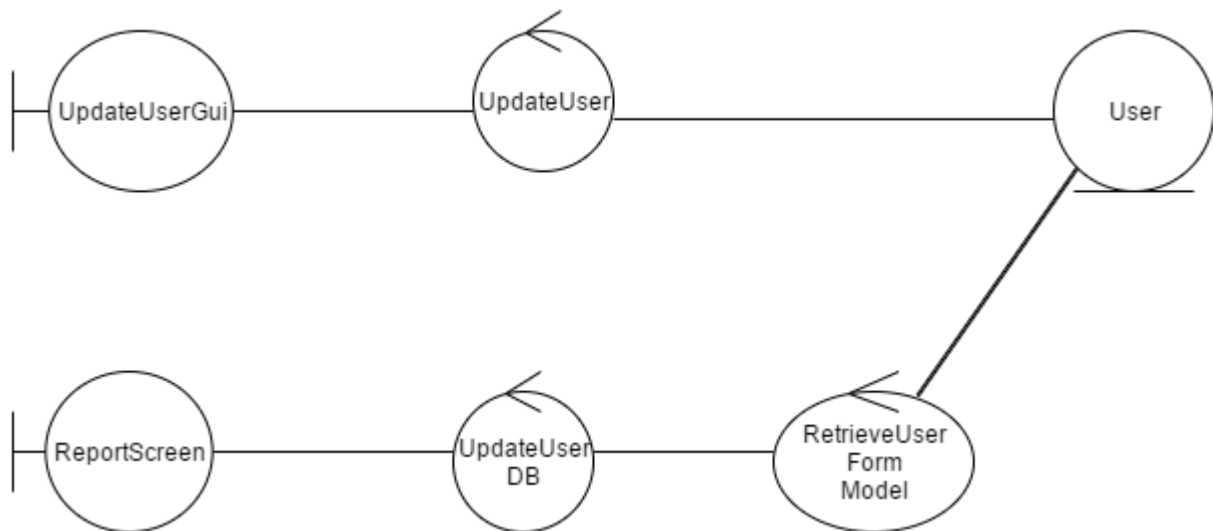


4.1.4 User Management System

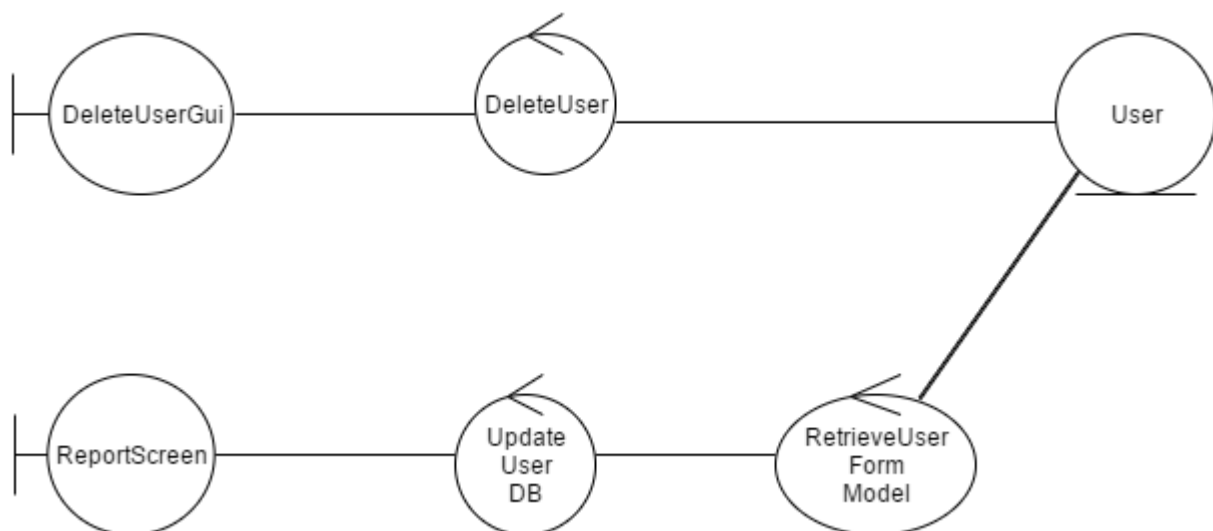
4.1.4.1 UC410:Add User information



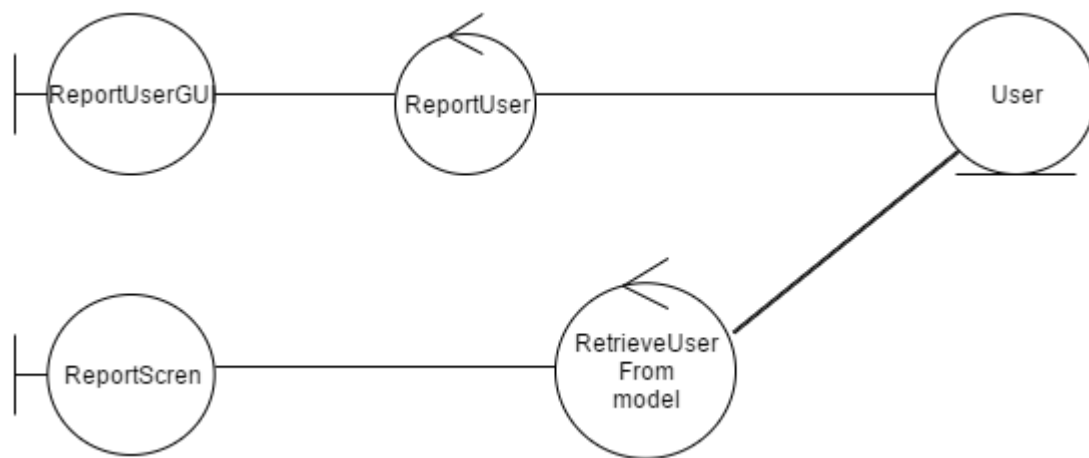
4.1.4.2 UC:420 Update user information



4.1.4.3 UC430:Delete User



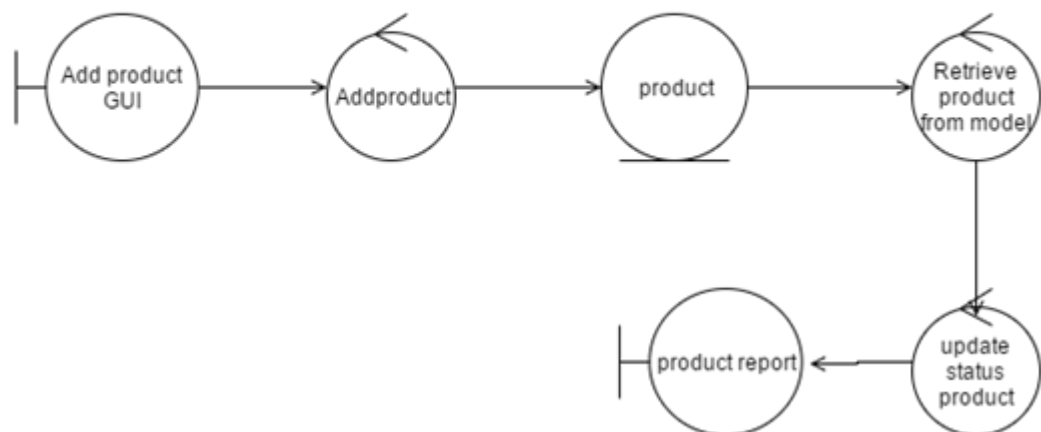
4.1.4.4 UC440: Show information Of User



4.1.5 Stock Product: UC500

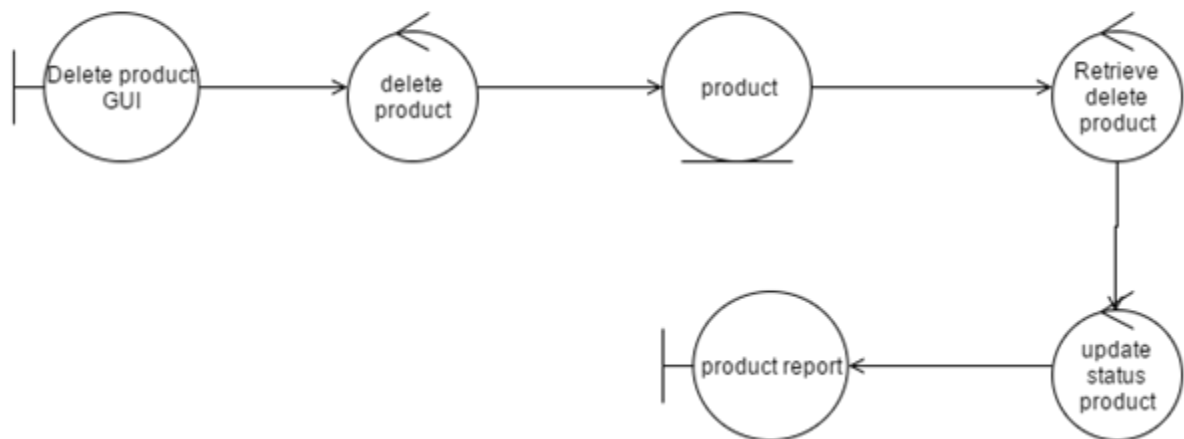
4.1.5.1 UC510: AddProduct

Add



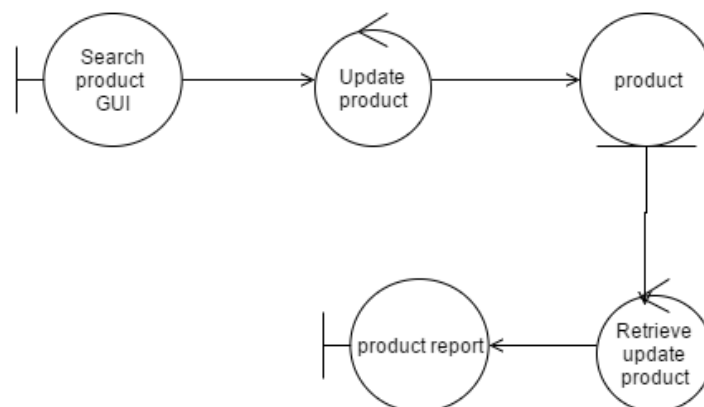
4.1.5.2 UC520:Delete Product

Delete



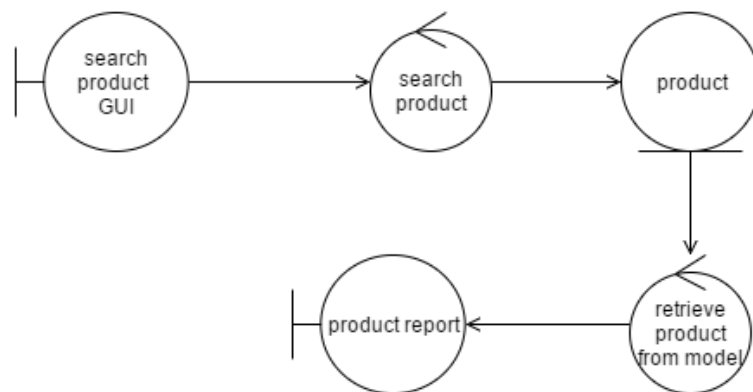
4.1.5.3 UC530:Update Product

Update

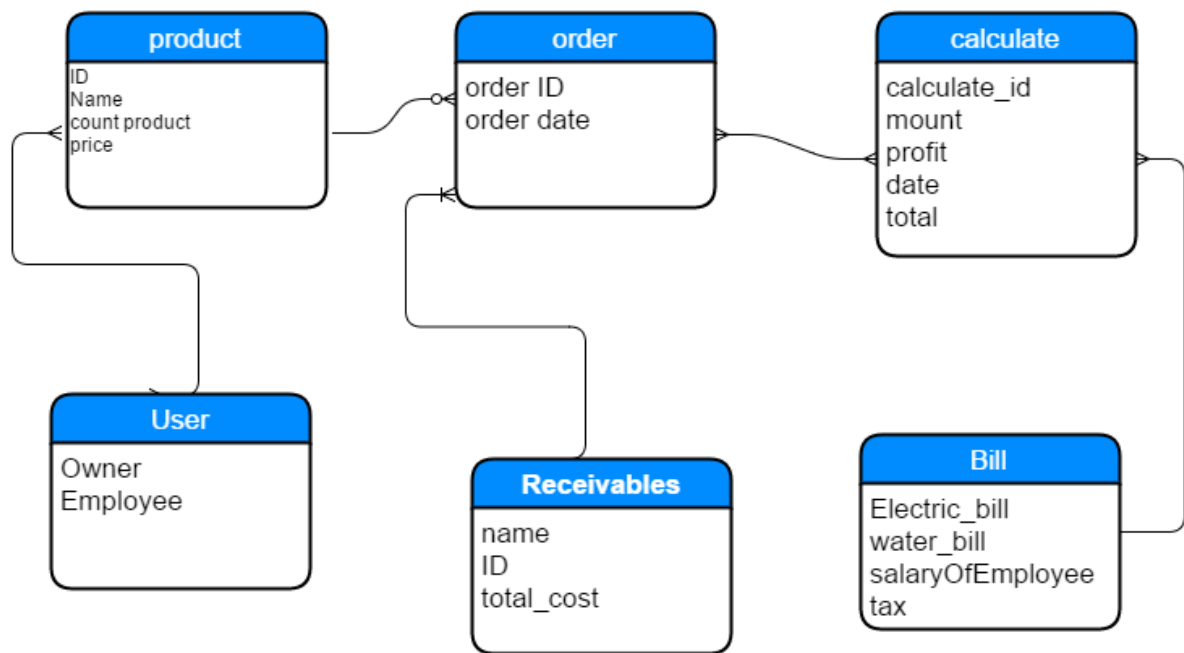


4.1.5.4 UC540: Search Product

search



4.2 Entity Class Model

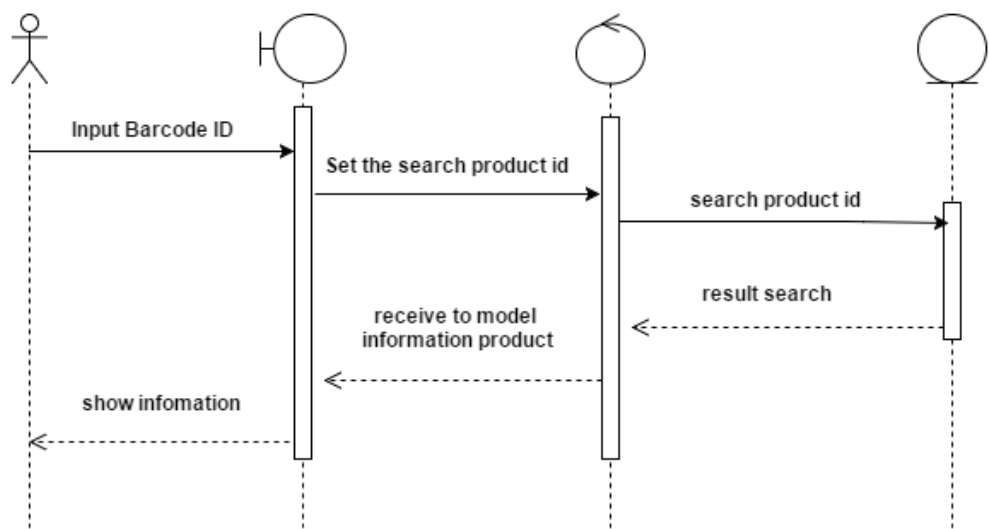


5. System Behaviour Model

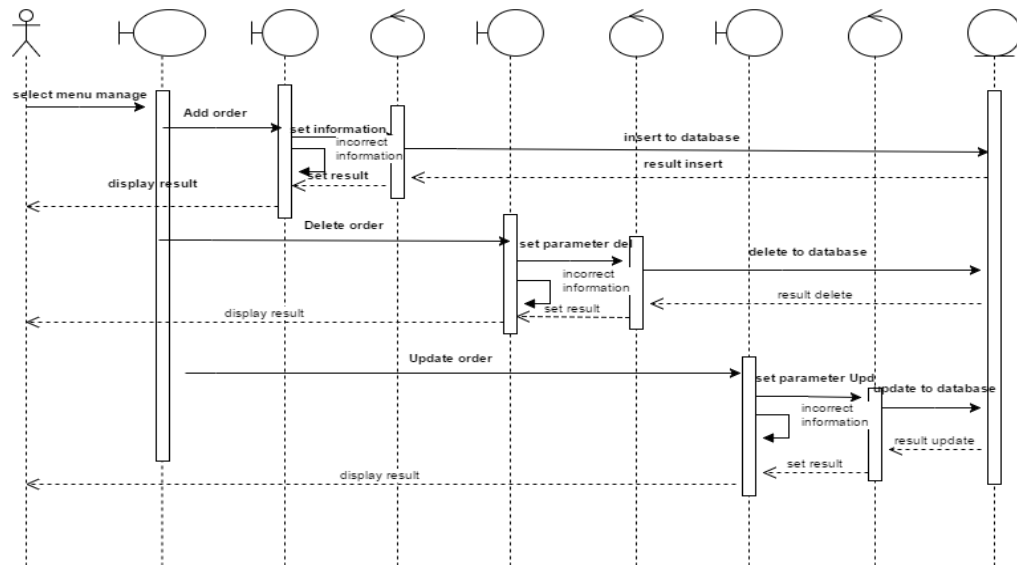
Sequence Daigram

5.1Employee service

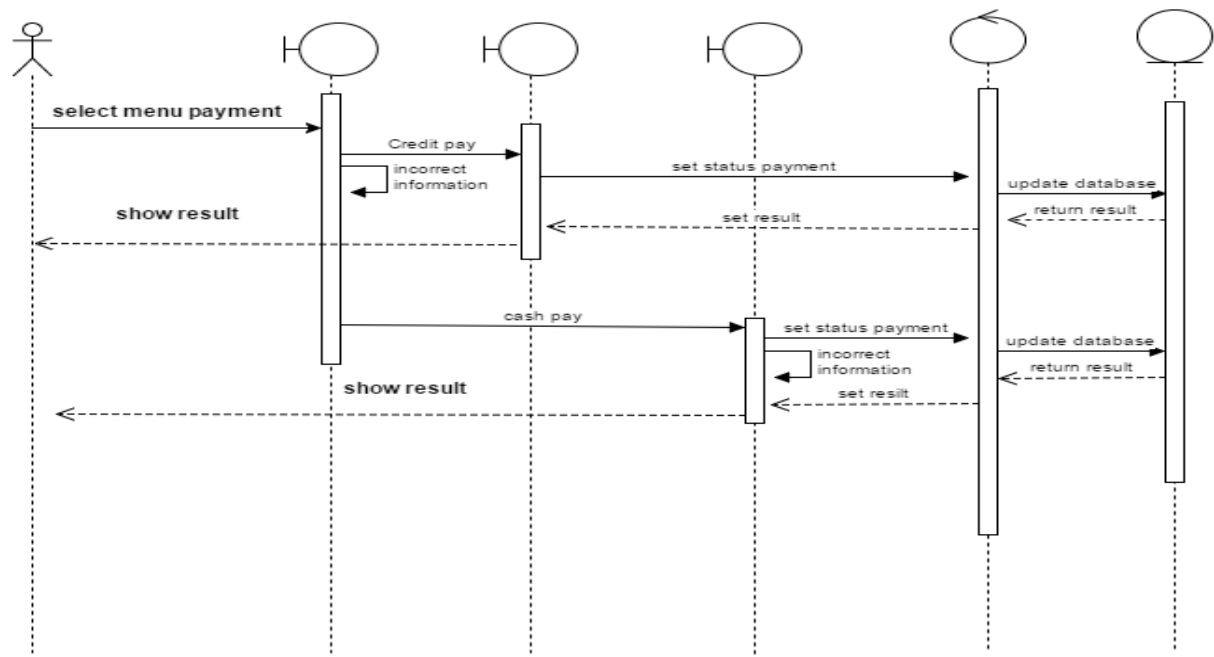
UC110:Read Barcode



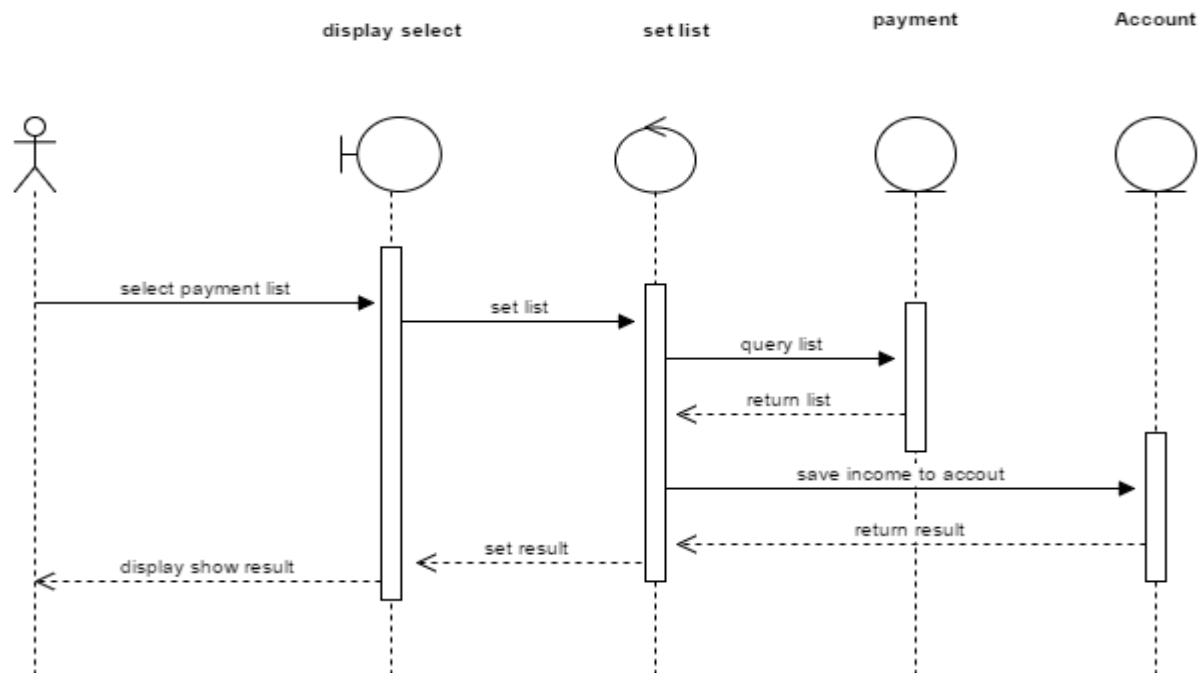
UC120:Manage Order



UC130: Payment

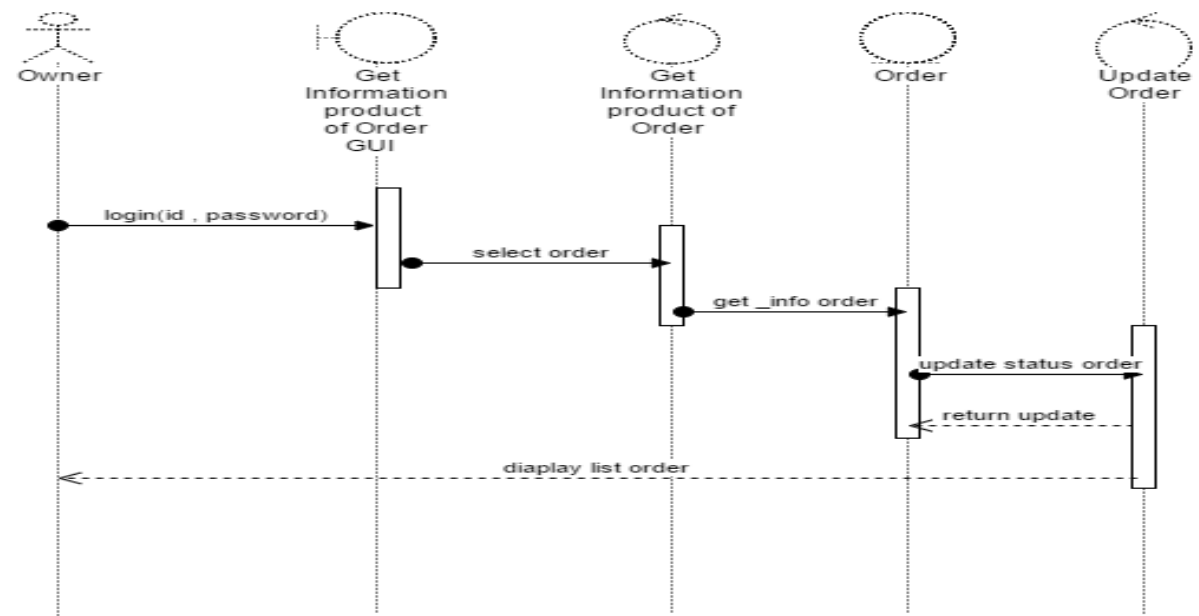


UC140:save income

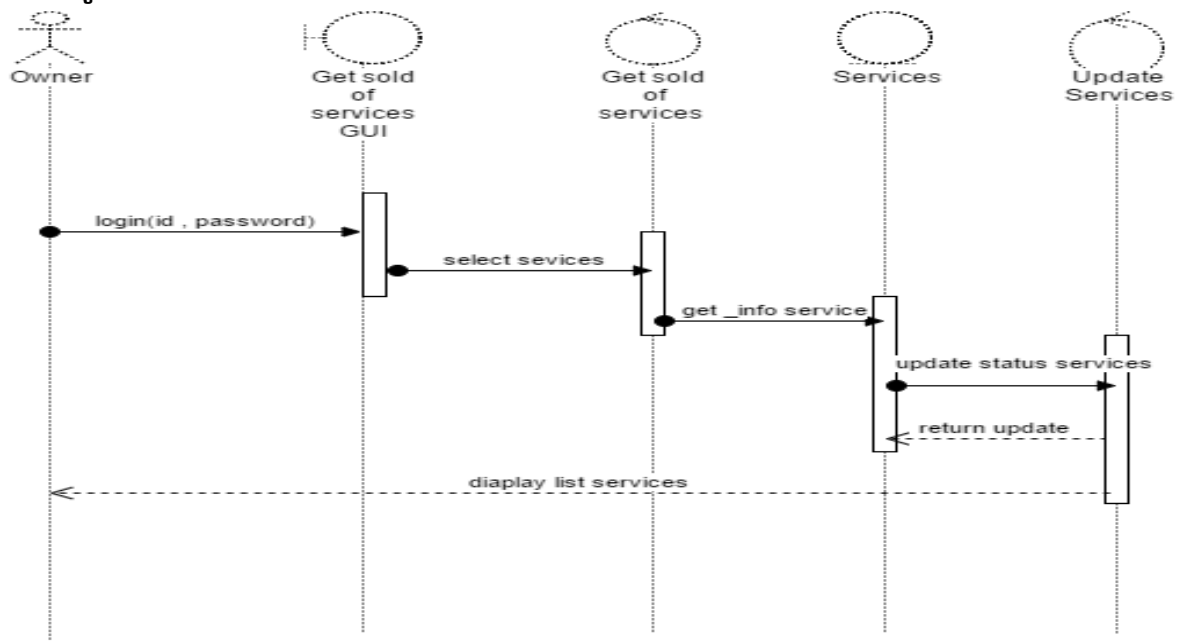


5.2cost calculate: UC200

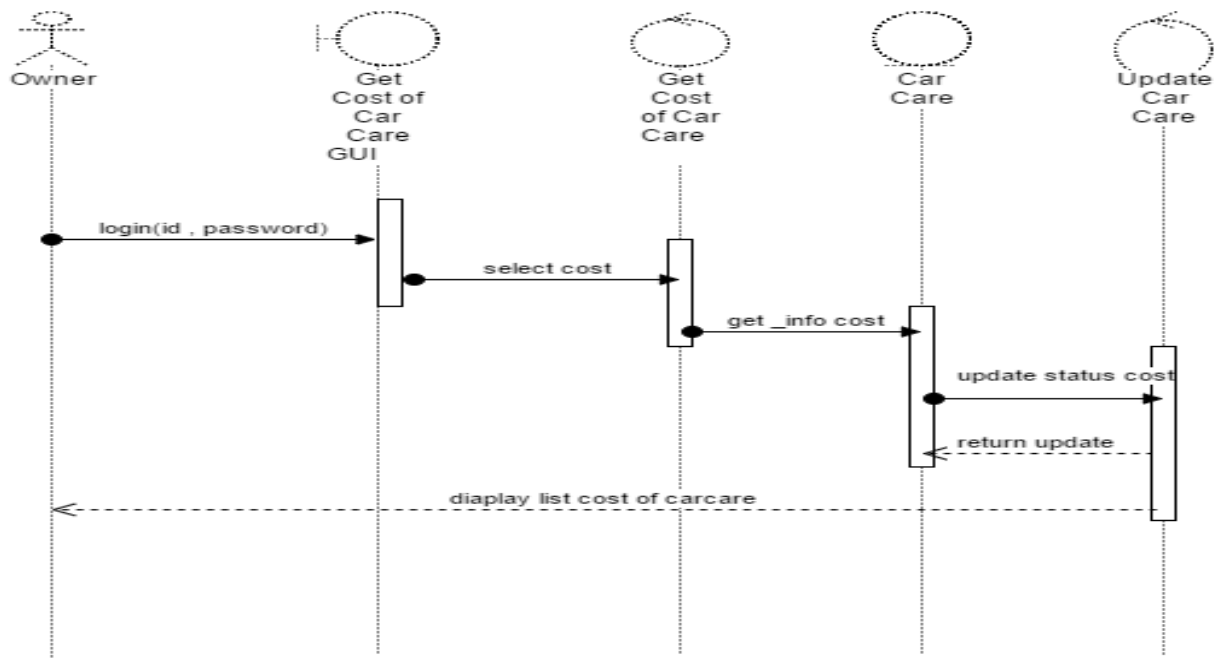
รับข้อมูลจากสินค้า:UC210



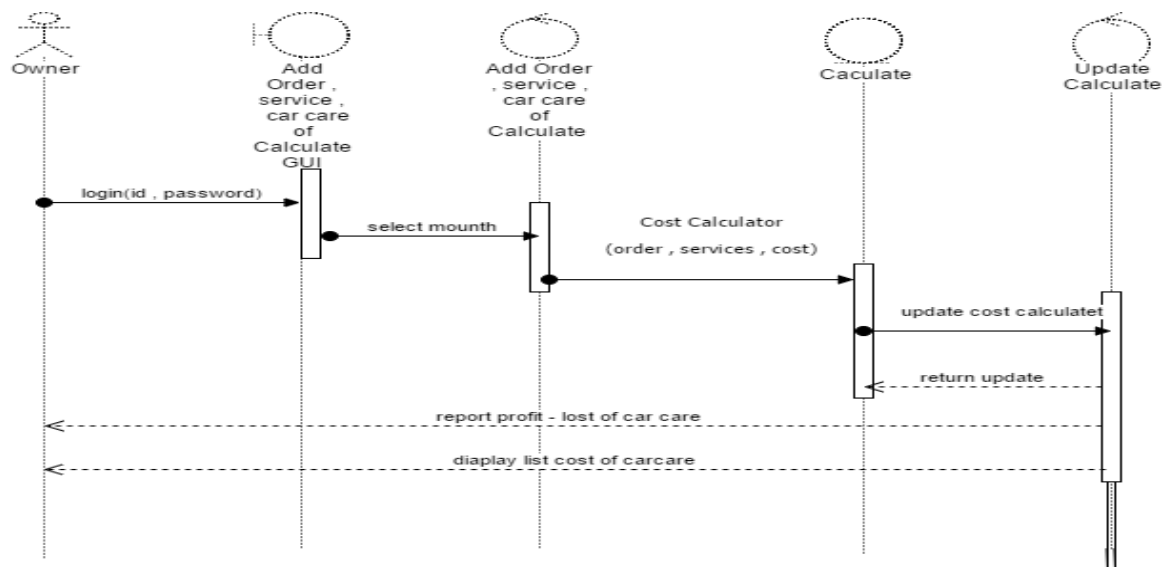
รับข้อมูลการบริการ:UC220



รับข้อมูลค่าใช้จ่ายใน car care :UC230

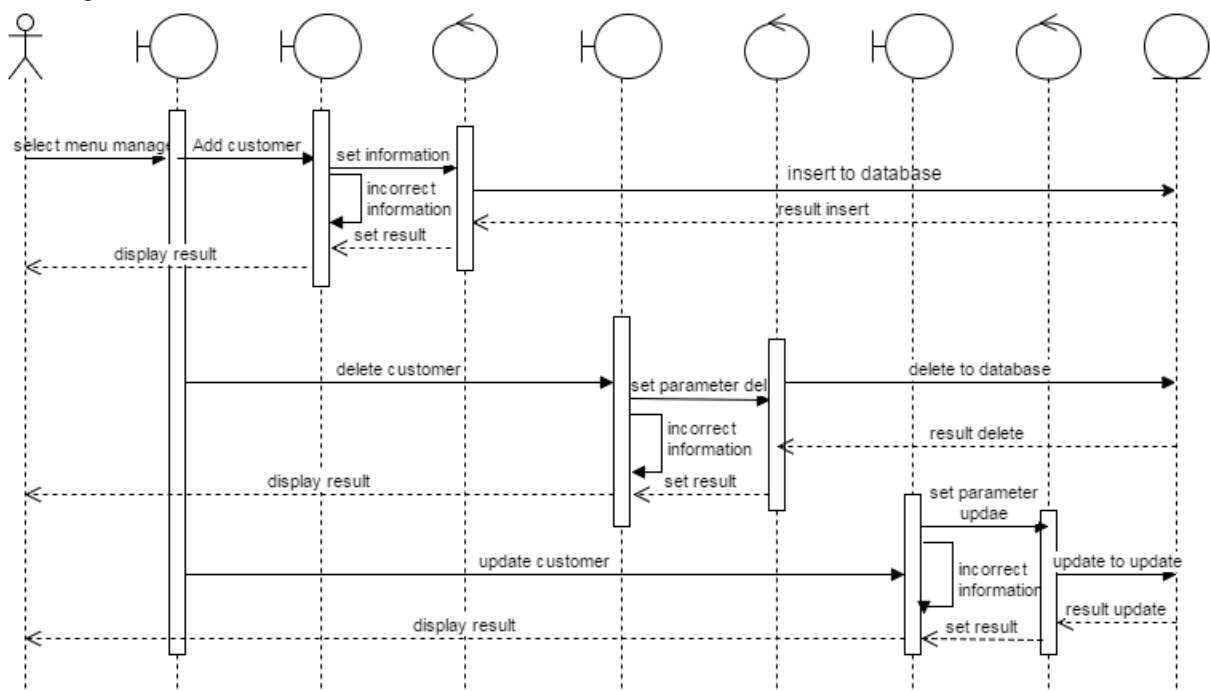


คำนวณผลกำไร :UC240

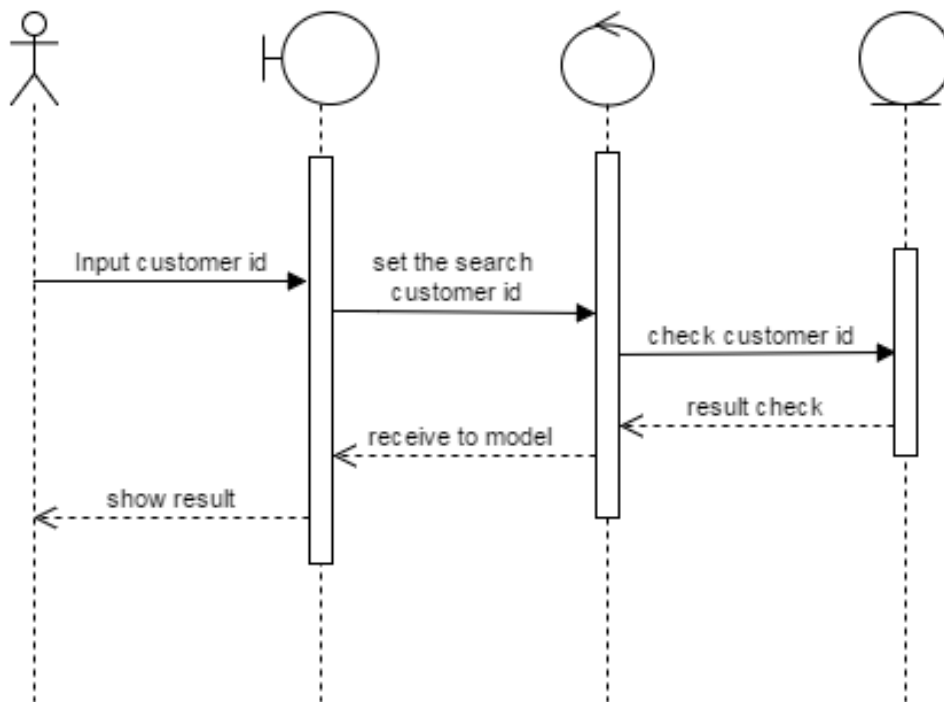


5.3 Receivables System (UC300)

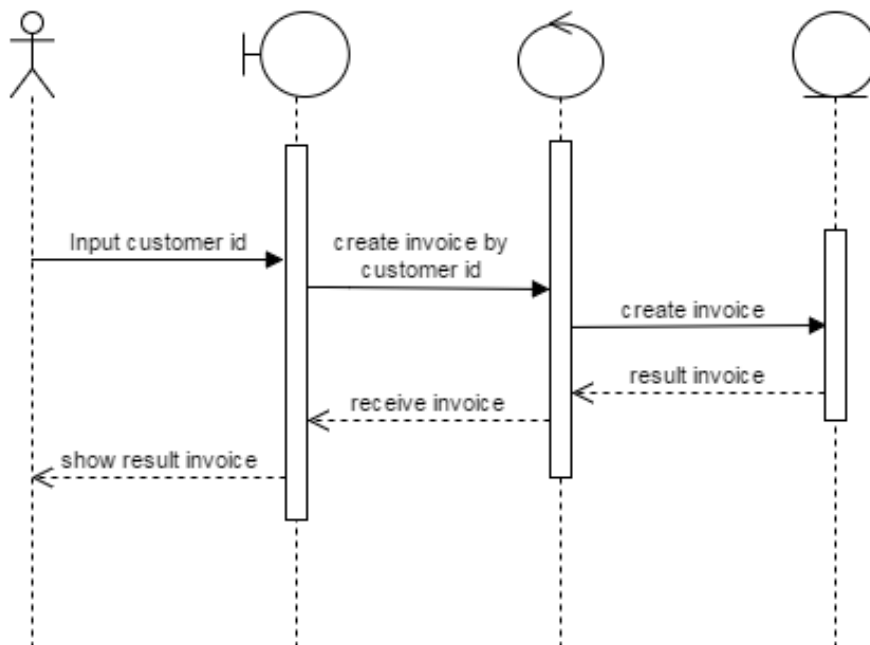
Manage data UC310



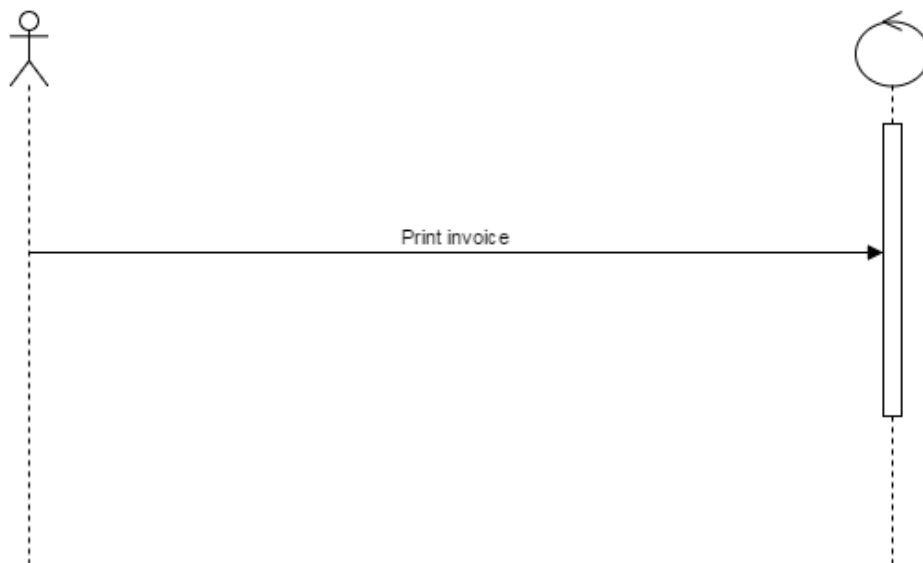
Check Cash balance UC320



Create Invoice UC330

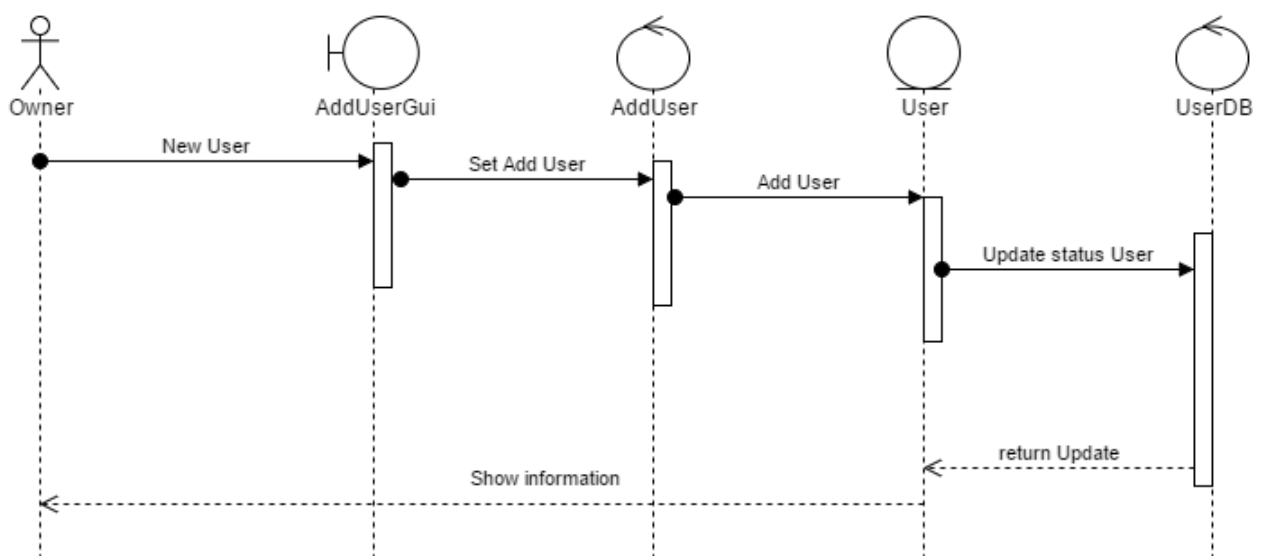


Print Invoice UC340

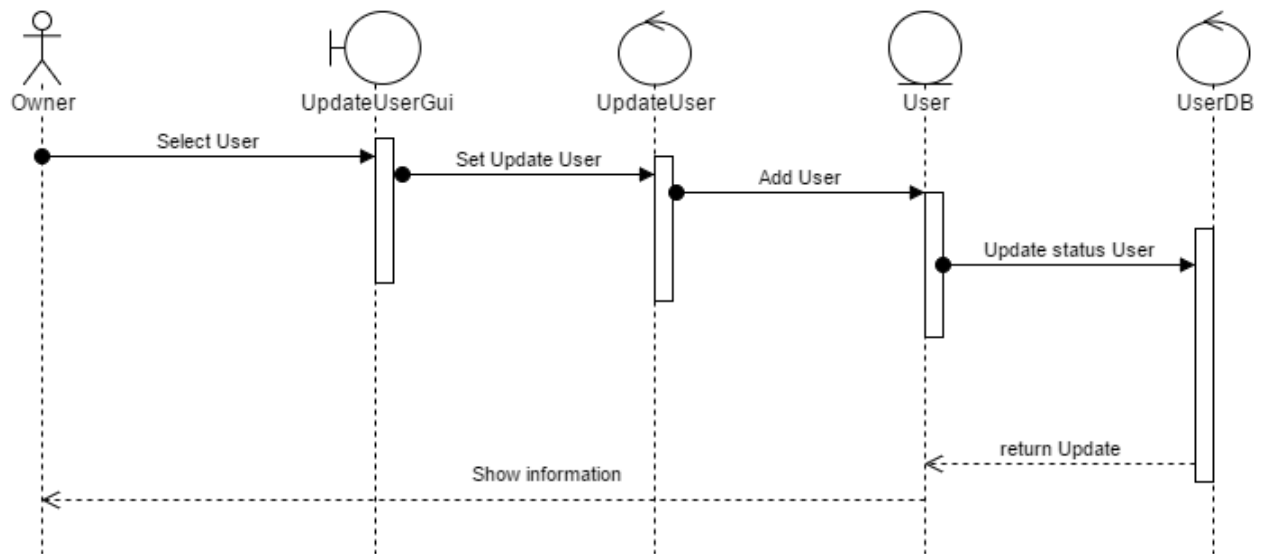


5.4 User Management System(UC400)

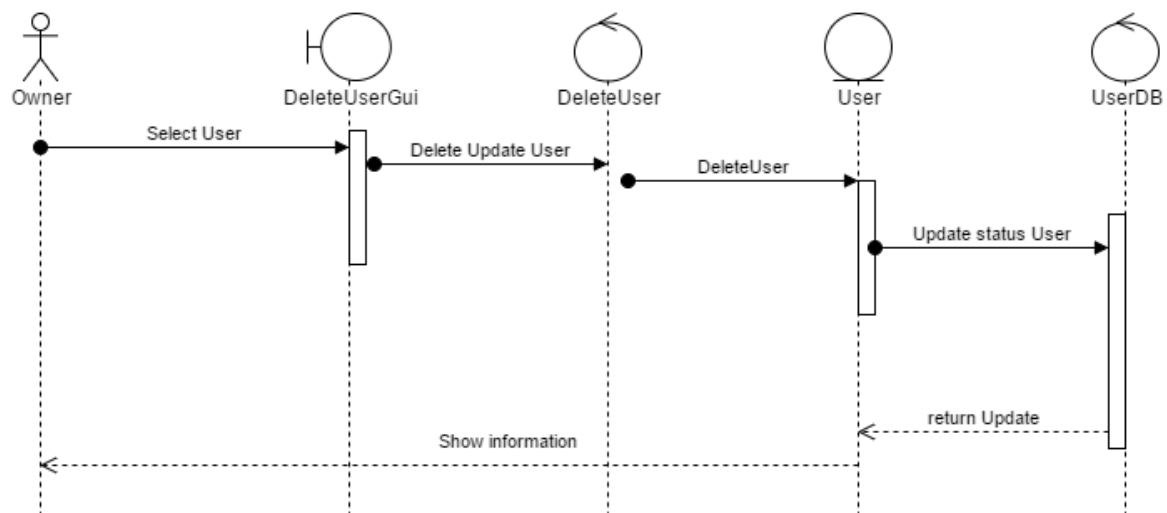
Add: UC410



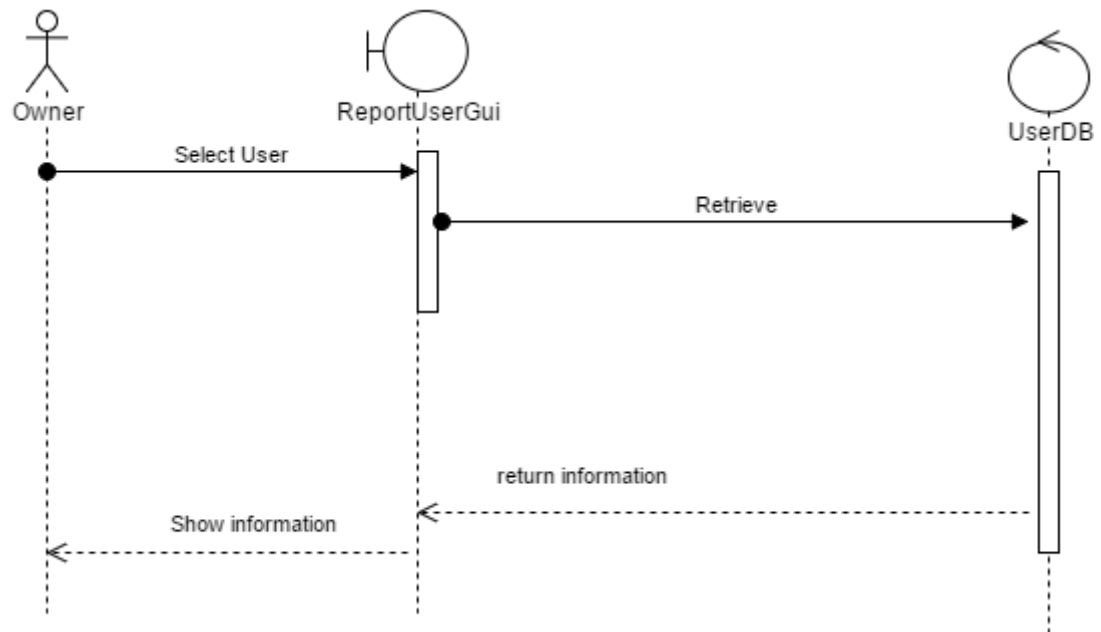
Update :UC420



Delete:UC430



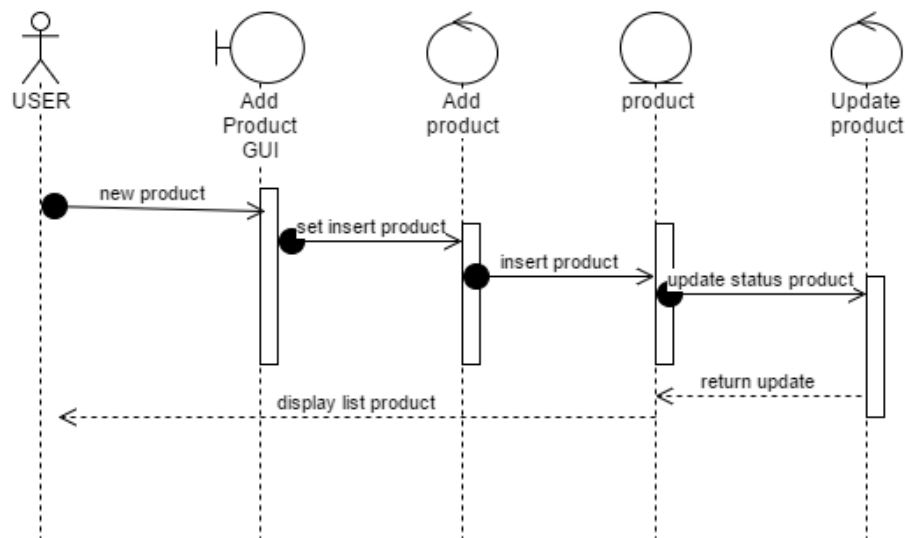
Show information Of User:UC440



5.5 Stock product System(UC500)

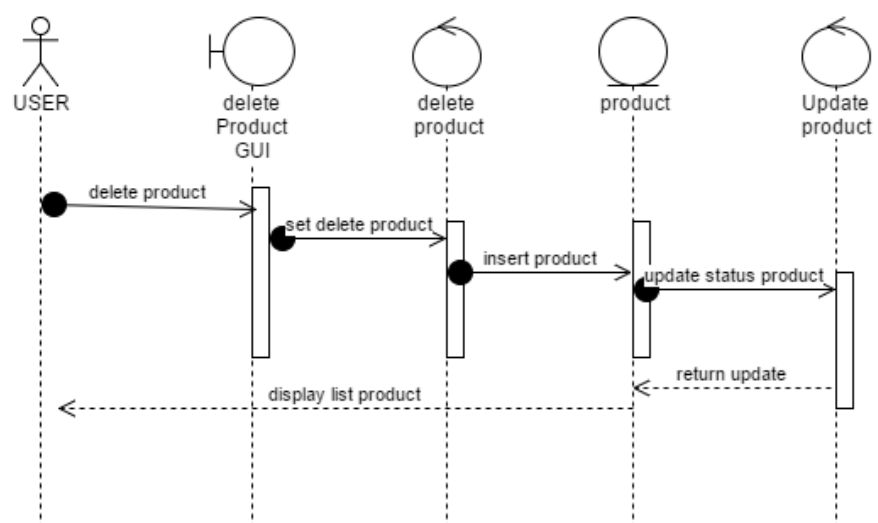
ADD Product:UC510

ADD



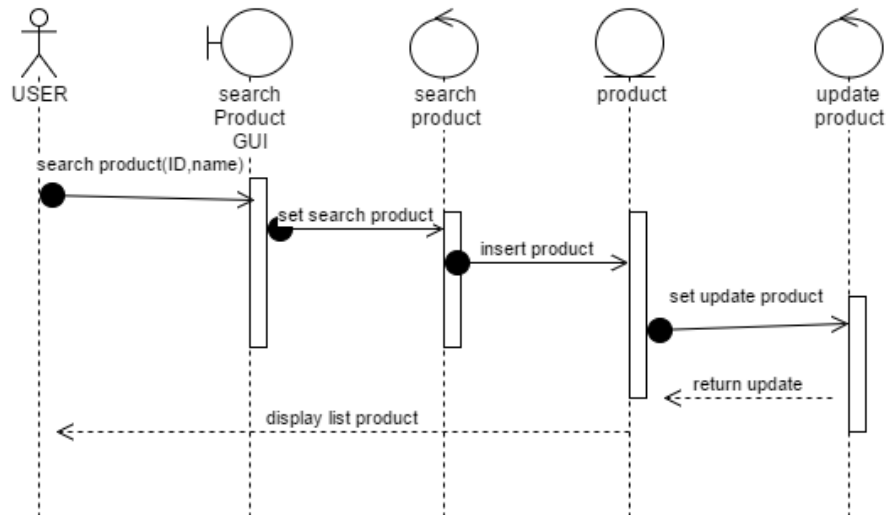
DELETE Product:UC520

Delete



UPDATE Status Product:UC530

update



SEARCH Product:UC540

search

