Continuing
Education
Program
Center for Computing and Information
Technology
Faculty of Engineering University of Indonesia

PROJECT ON

“Rent House”

Group : 2

Muhammad Hudya Ramadhana

Mutia Ayu Dianita

Faculty : Indah Ayu Yuliani S.T, M.M

Class : 3 SC 1

Faculty of Engineering University of Indonesia

Depok 16424

2016

PROJECT ON

Rent House

Developed By

Name : Muhammad Hudya Ramadhana
Mutia Ayu Dianita

NIIT

RENT HOUSE

Batch Code	: 3 SC 1
Start Date	: November 24, 2016
End Date	: December 7, 2016
Name Of The Coordinator	: Indah Ayu Yuliani S.T,M.M
Name Of Developer	: Muhammad Hudya Ramadhana Mutia Ayu Dianita
Date Of Submission	: November 23, 2016

NIIT

CERTIFICATE

This is to certify that this report, titled Jobfield Recruitment embodies the original work done by ***Muhammad Hudya Ramadhana*** ***and*** ***Mutia Ayu Dianita*** in partial fulfillment of their course requirement at NIIT.

Coordinator:
Indah Ayu Yuliani S.T, M.M

ACKNOWLEDGEMENT

We have benefited a lot from the feedback and suggestions given to us by Mrs. Indah Ayu Yuliani S.T, M.M and other faculty members. The Project presentation opportunity we have with CCIT-FTUI is a greatchance for learning and professional development. Therefore, we consider ourselves very lucky as we are provided with an opportunity to be a part of it. We are also grateful for having a change to meet so many wonderful people and professionals who led us through this project period.

Bearing in mind, we would like to express our deepest gratitude and special thanks to Indah Ayu Yuliani S.T, M.M of CCIT-FTUI faculty who is spite of being extraordinarily busy with her duties, took time out to hear, guide and keep us on the correct path and allowing us to carry out our project until completion.

Our Project assignment won't be as good as it is now without any help, feedback and suggestion that were given to us by our friends within the campus. So, we would also like to say thank you to all of them. We will strive to use gained skills and knowledge in the best possible way, and we will continue to work on the improvements, in order to attain desired career objective.

SYSTEM ANALYSIS

System Summary:

The proposed software system for Rent House will be used by two different types of user :

1. Owner of Rent House.
2. Operator.

The proposed software system needs to provide the following functionalities to the

Owner of Rent House :

1. Allow Owner to Add and Modify Room Types Data.
2. Allow Owner to Add and Modify Room Data.
3. Allow Owner to Add and Modify Operator Data.

The proposed software system also provide the following functionalities to the Operator of Rent House :

1. Allow Operator to Add and Modify Customer
2. Allow Operator to Add Transacton (Rent In or Rent Out)
3. Allow Operator to Add Monthly Paid of Customer

The proposed software system also allow the Owner to view the report :

1. Report of Monhtly Paid Transaction

HARDWARE AND SOFTWARE REQUIREMENTS

Hardware: **Asus Expert 50, Intel(R) Core(TM) i3 8.00 GB (RAM)**

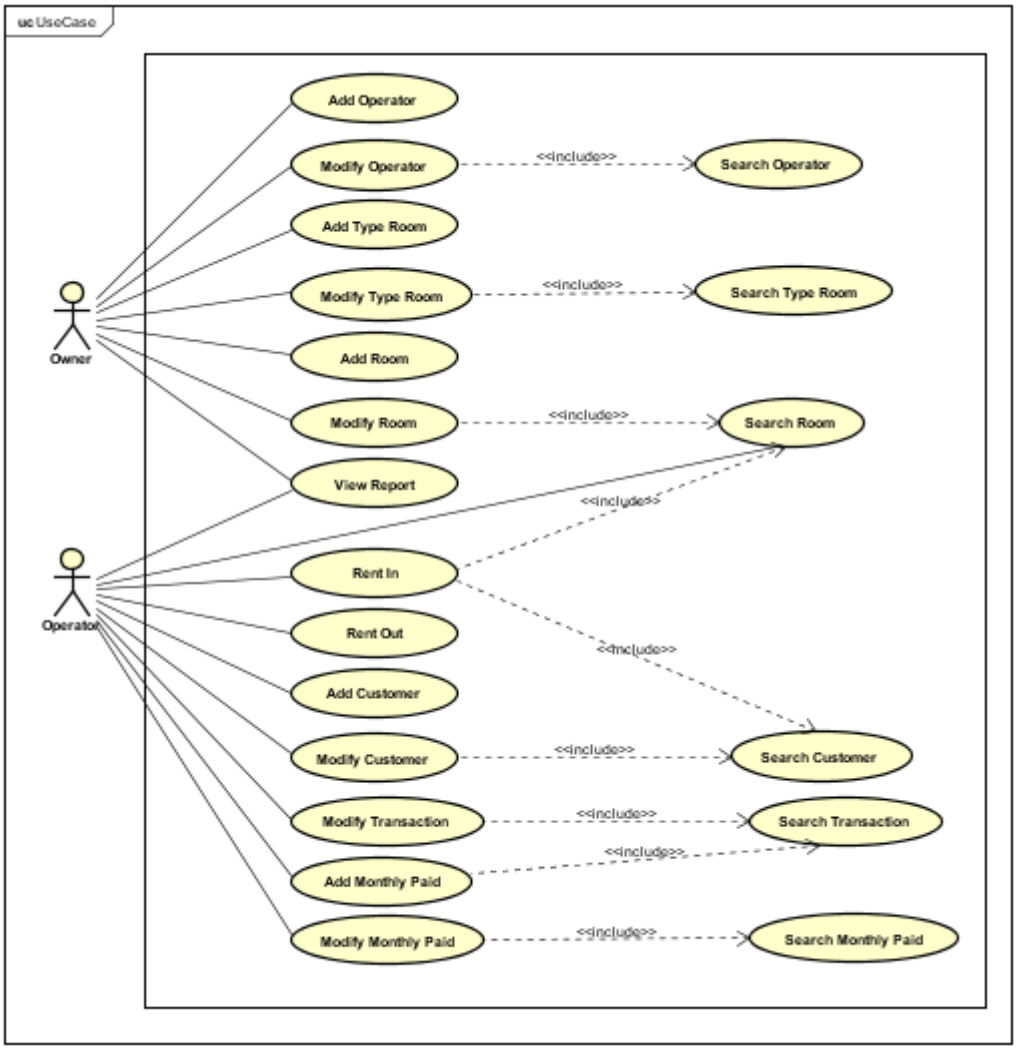
Operating System: **Microsoft Windows 8.1 Pro, 64-bit Operating System**

Software: **Astah Jude Professional**

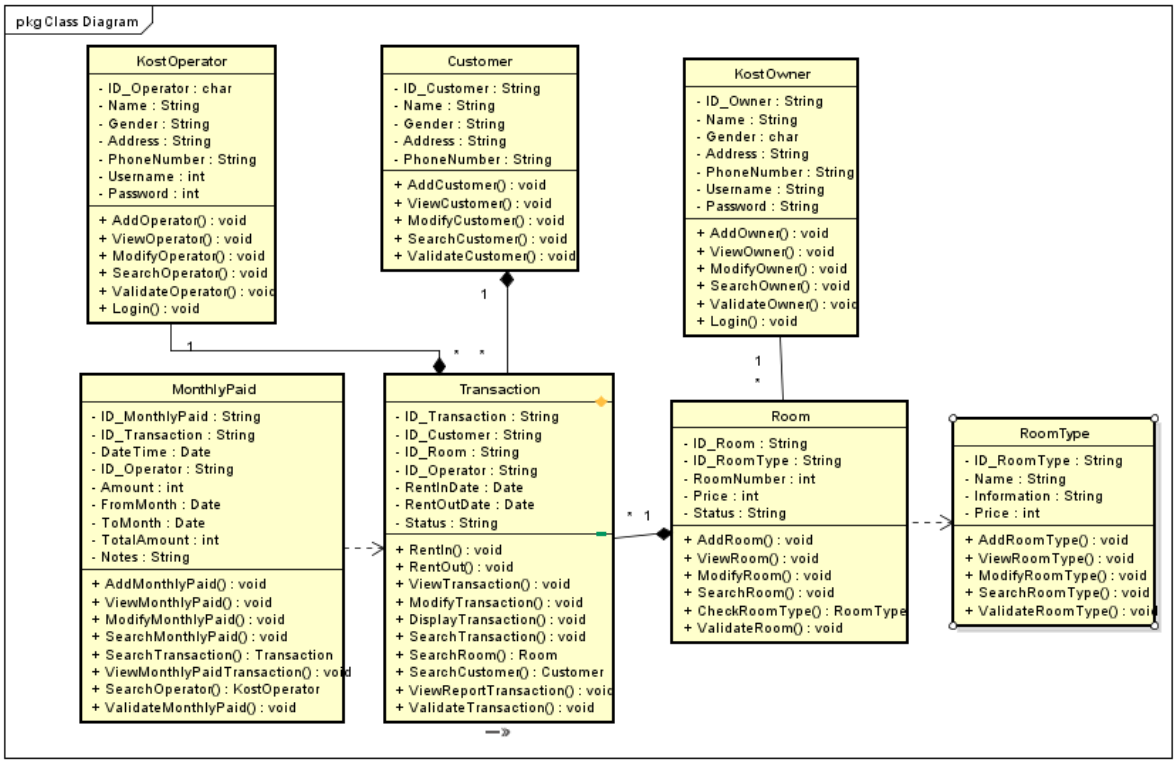
INDIVIDUAL PROJECT SCHEDULE

S. No	Activity Description	Planned Date of Completion	Actual Date	Responsibility	Remarks
1	Creating the use case	27th Nov 2016	27th Nov 2016	Mutia	
2	Creating the sequence diagram	27th Nov 2016	29th Nov 2016	Hudya	
3	Creating communication diagram	1st Dec 2016	1st Dec 2016	Hudya	
4	Creating class diagram	27th Nov 2016	27th Nov 2016	Mutia	
5	Creating Deployment diagram	3rd Dec 2016	3rd Dec 2016	Mutia	
6	Creating statemachine diagram	1st Dec 2016	1st Dec 2016	Hudya	
7	Creating activity diagram	1st Dec 2016	1st Dec 2016	Hudya	
8	Creating object diagram	4th Dec 2016	4th Dec 2016	Mutia	

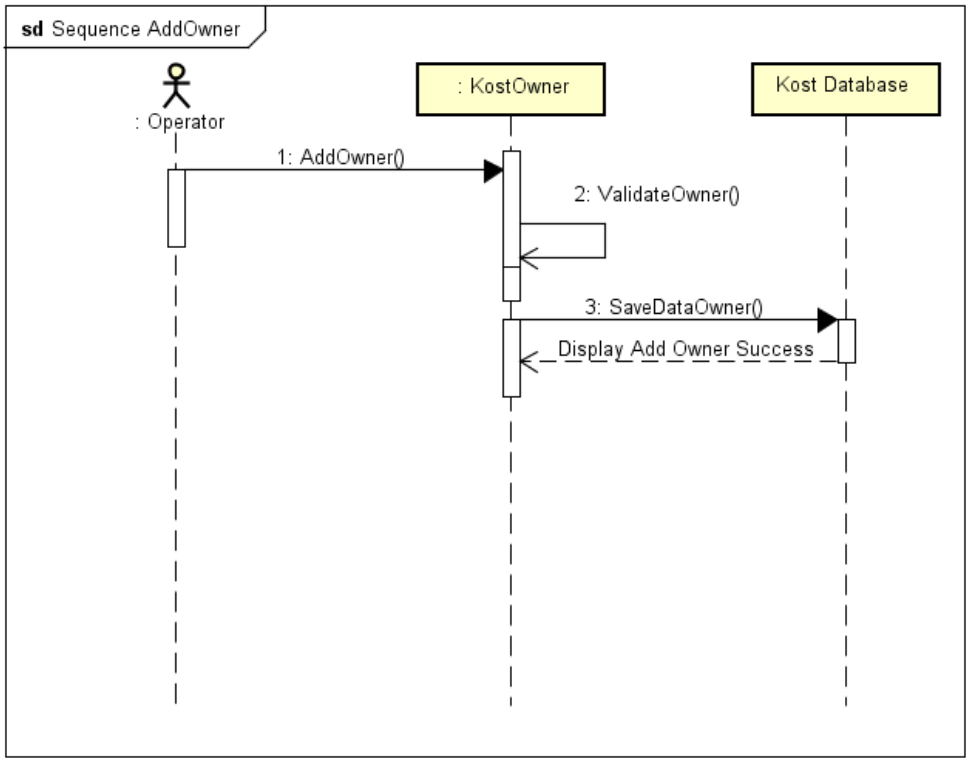
USE CASE DIAGRAM FOR RENT HOUSE



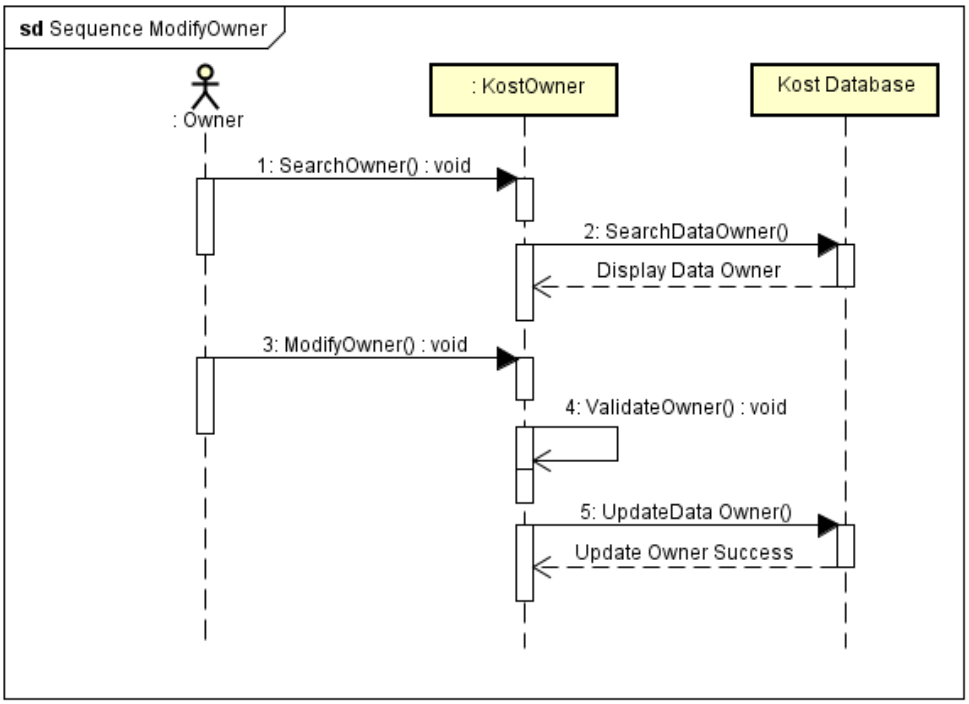
CLASS DIAGRAM FOR RENT HOUSE



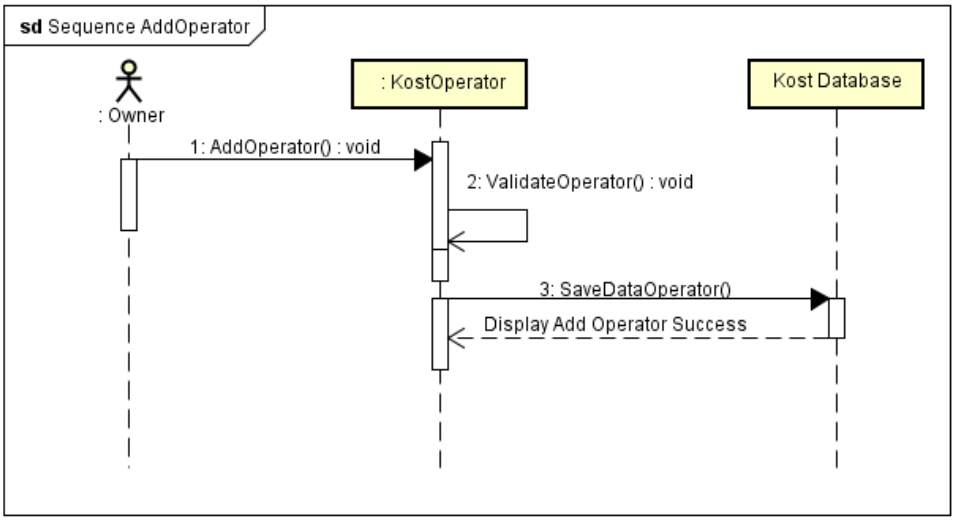
SEQUENCE DIAGRAM FOR RENT HOUSE



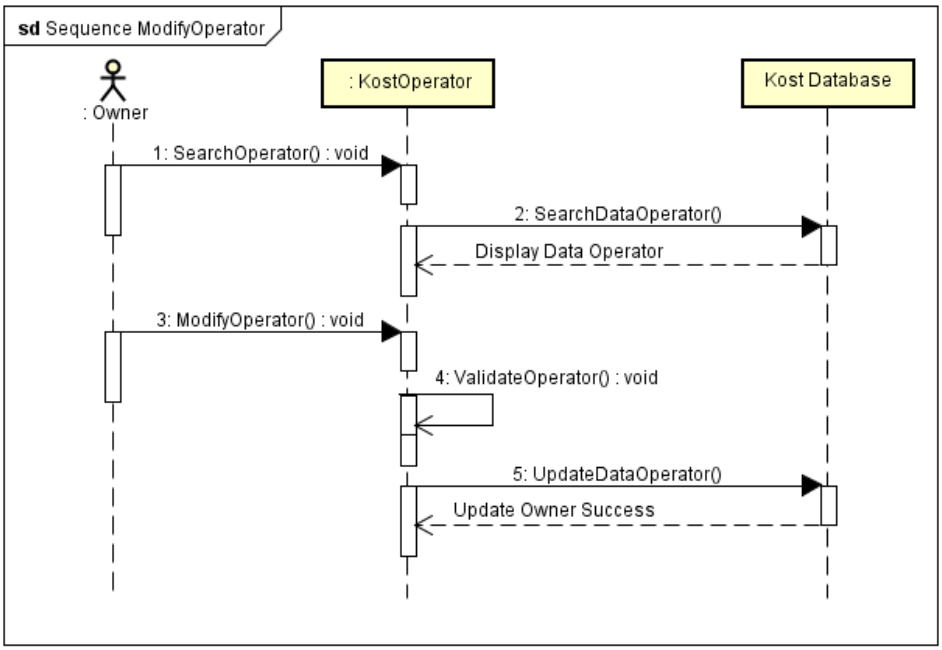
Sequence Add Owner



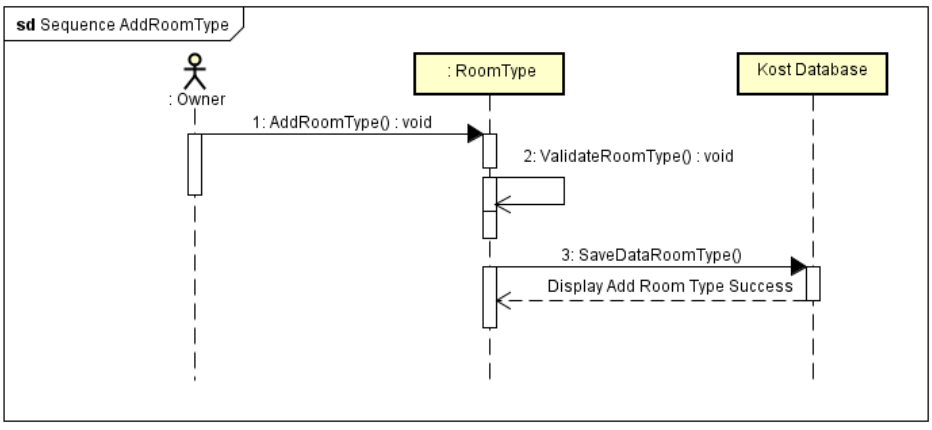
Sequence Modify Owner



Sequence Add Operator



Sequence Modify Operator



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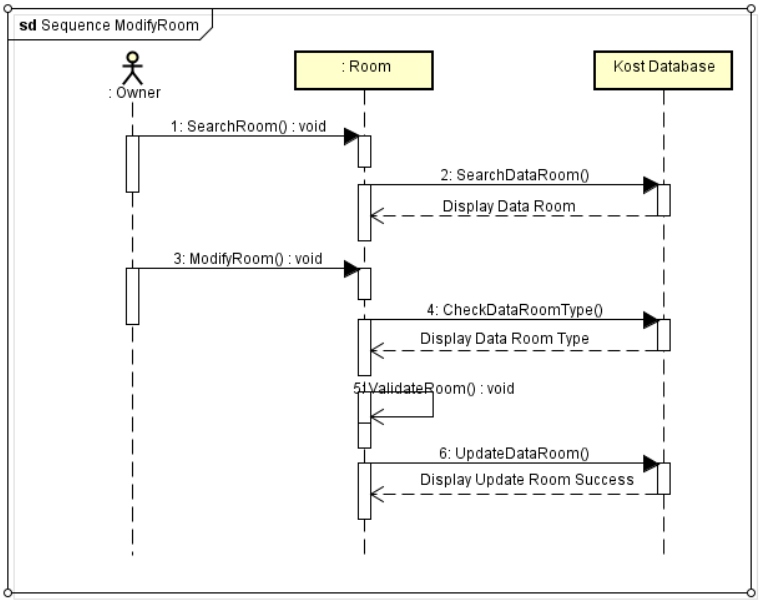

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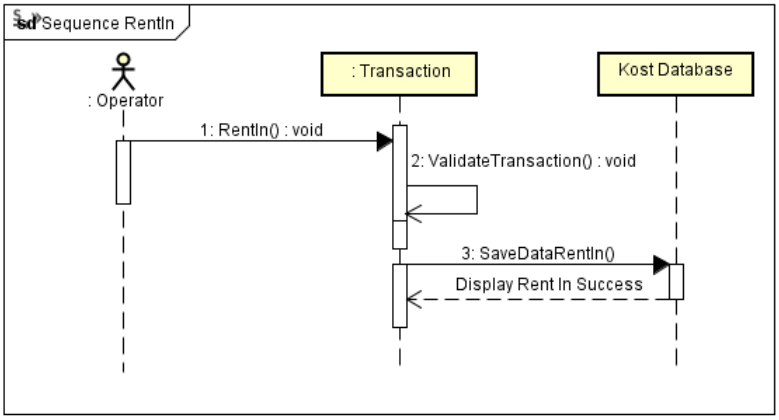
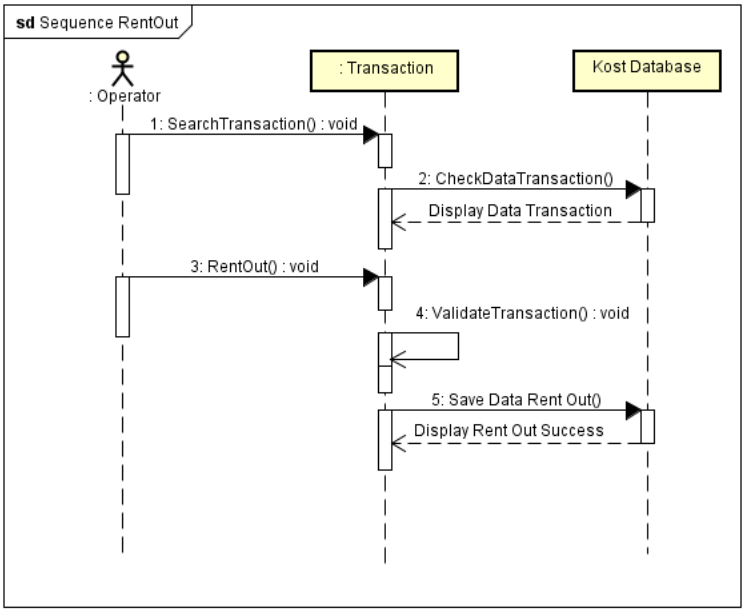


Sequence Rent In



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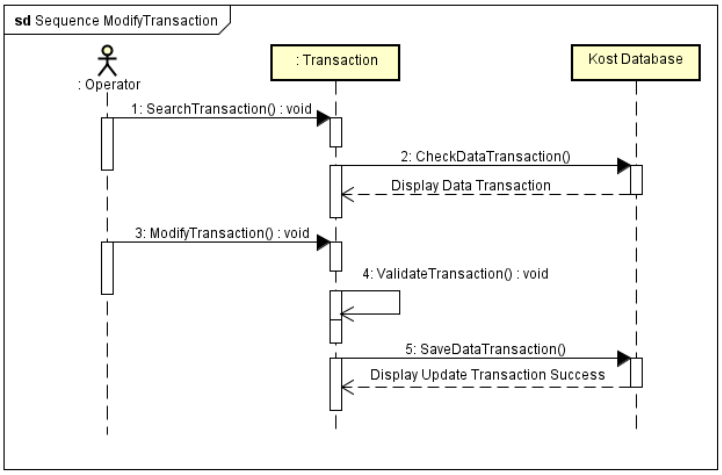
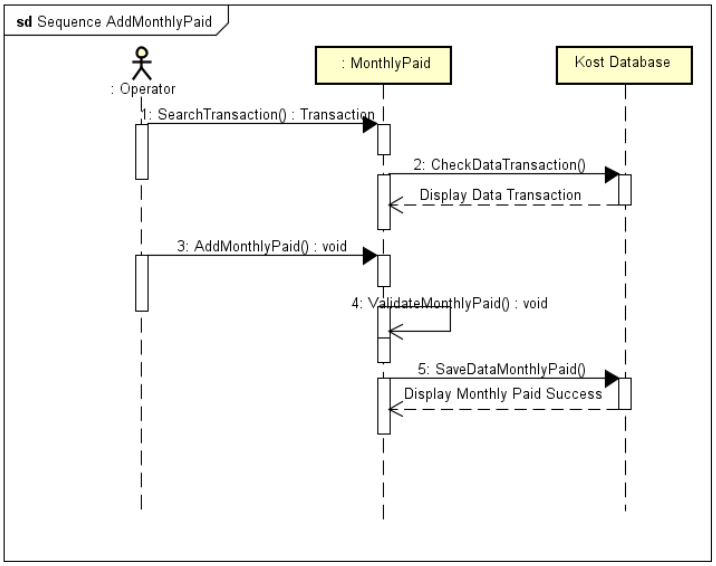
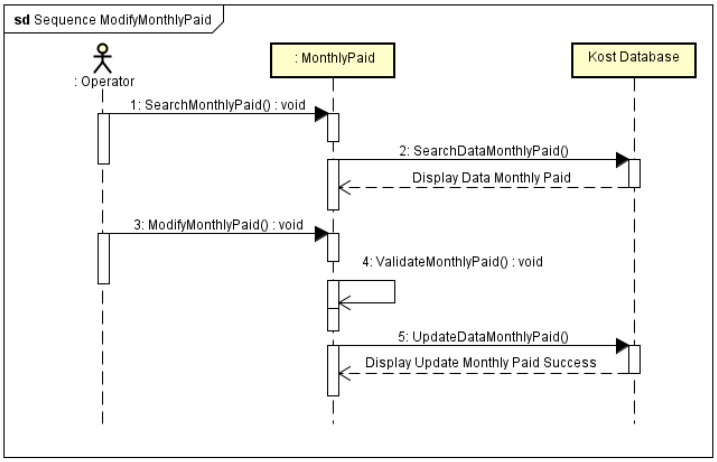


Sequence Modify Transaction



Sequence Add Monthly Paid



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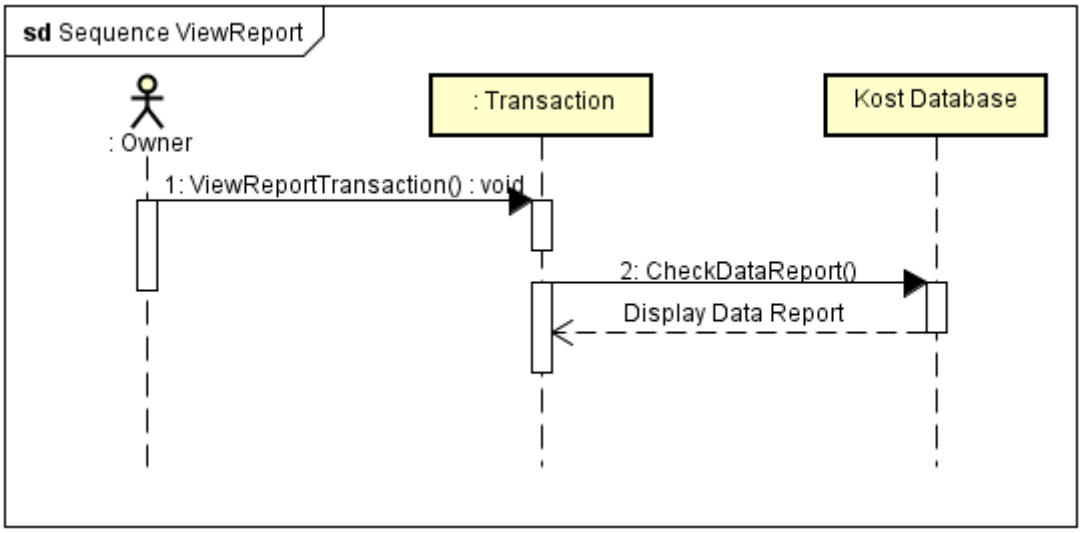
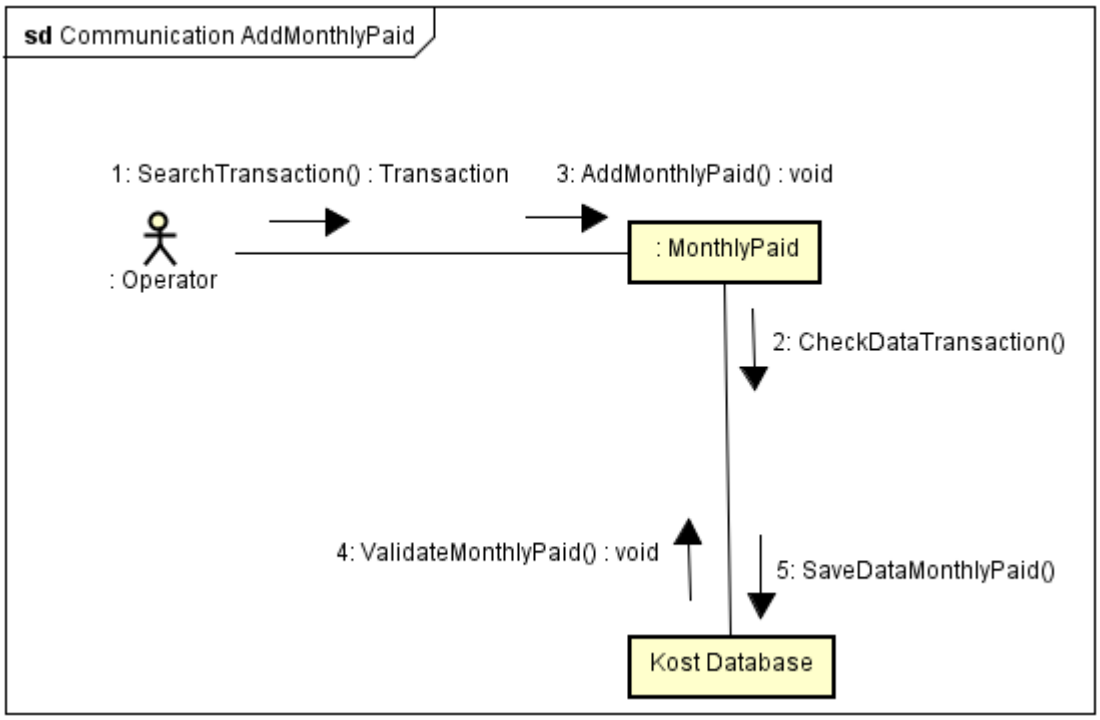
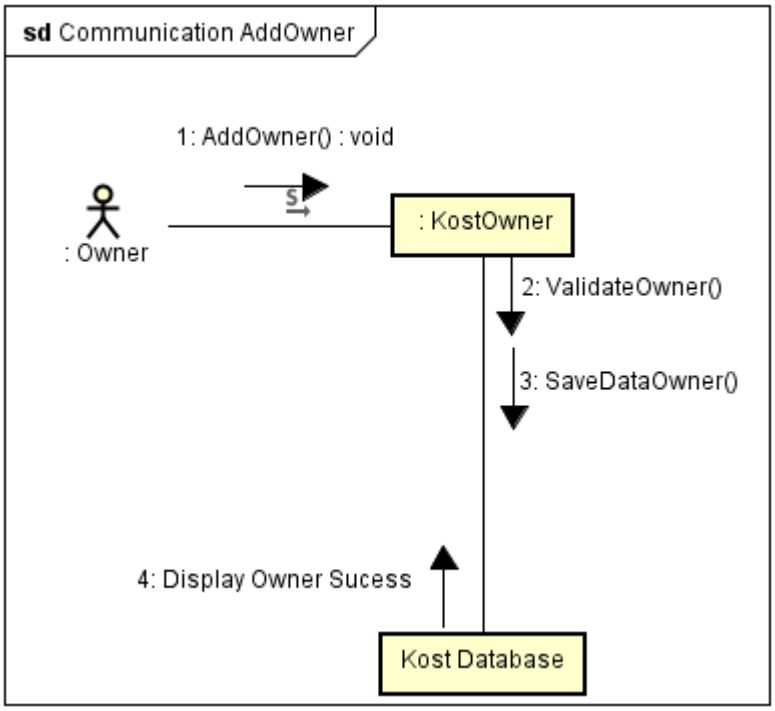


Sequence View Report

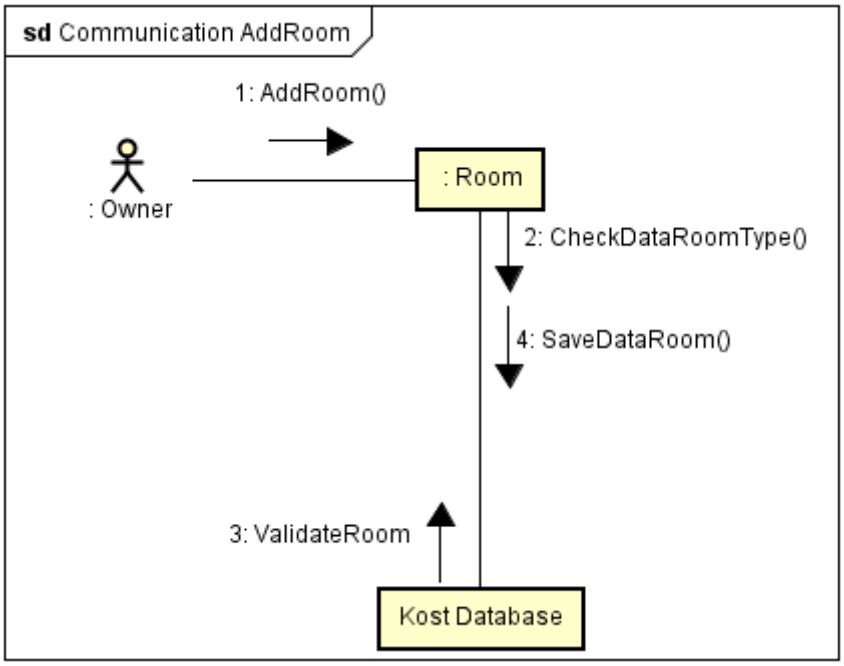
COMMUNICATION DIAGRAM FOR RENT HOUSE



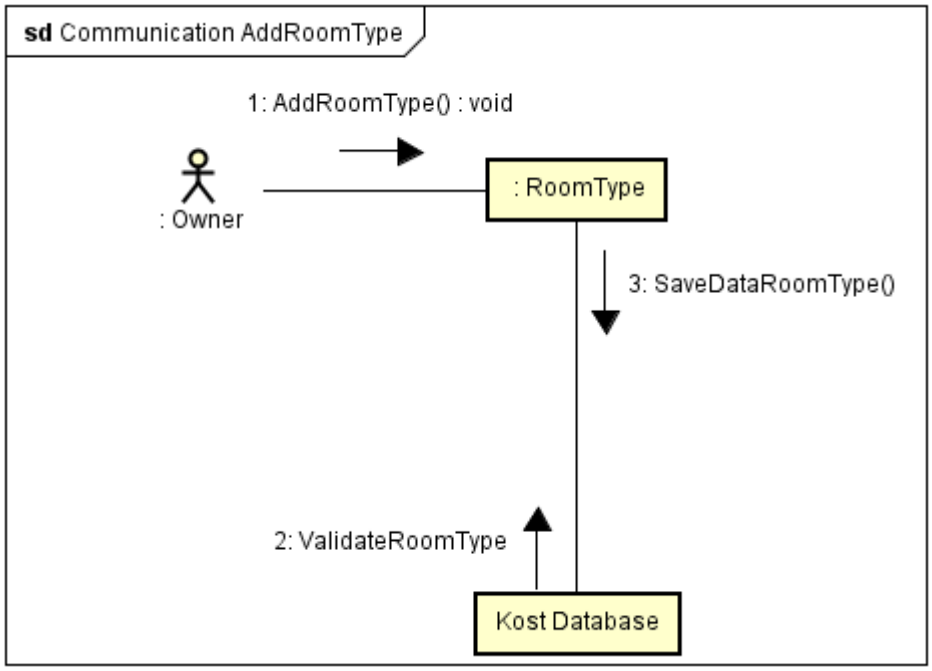
Communication Add Monthly Paid



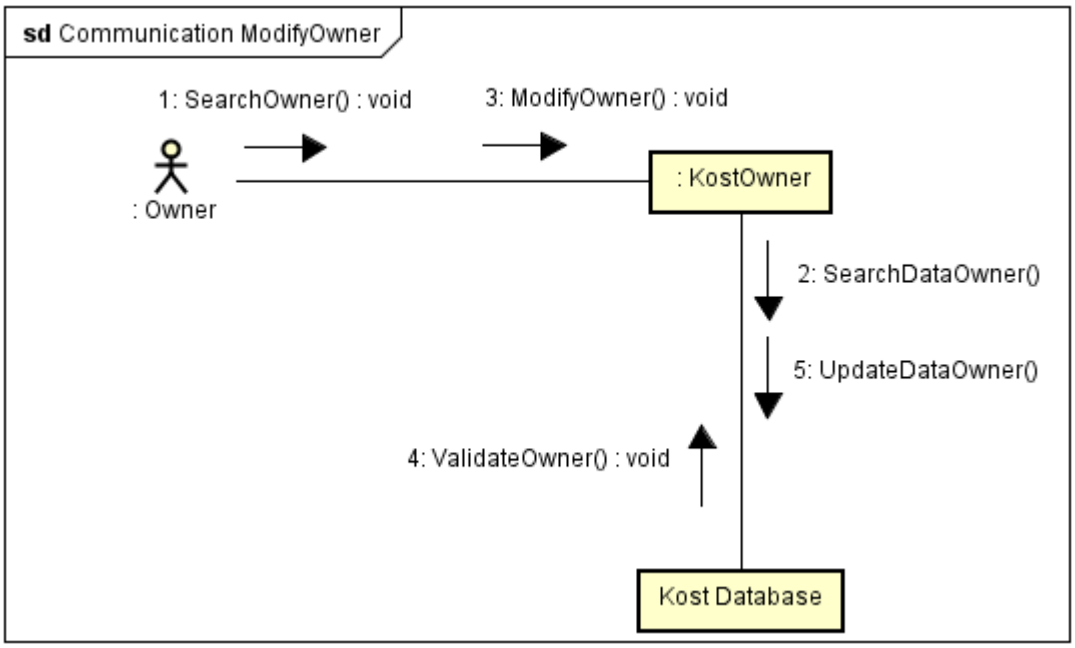
Communication Add Owner



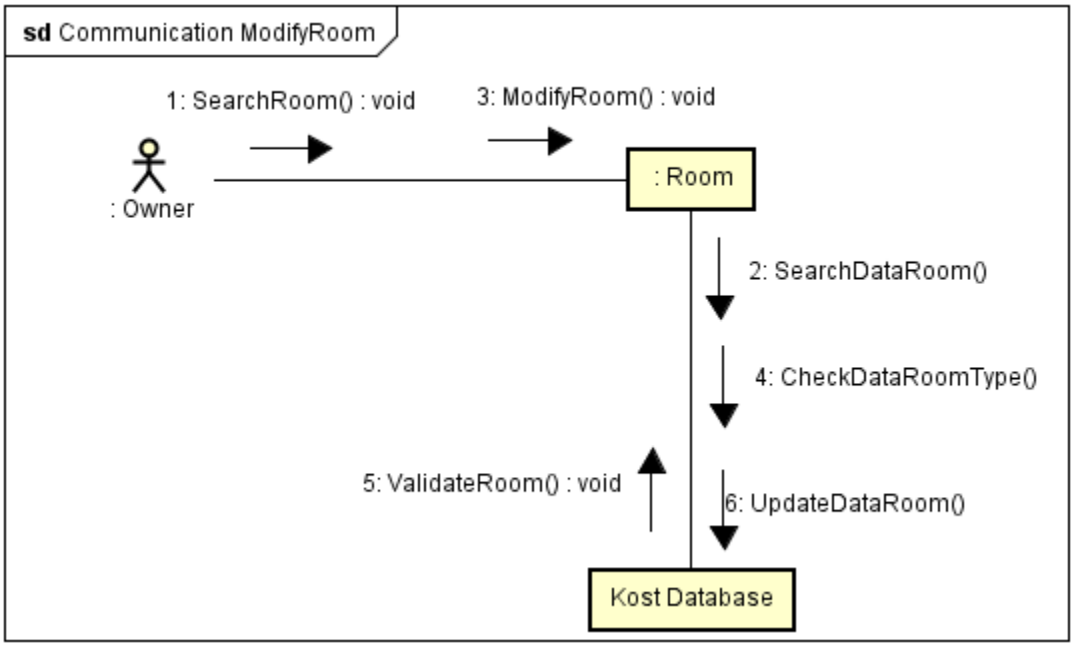
Communication Add Room



Communication Add Room Type



Communication Modify Owner



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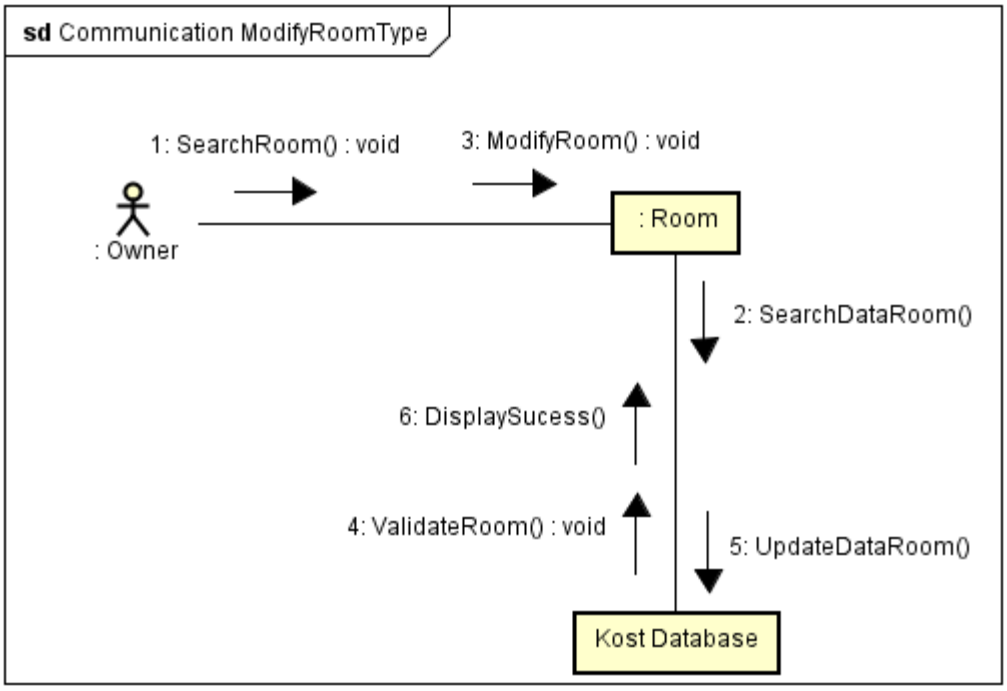

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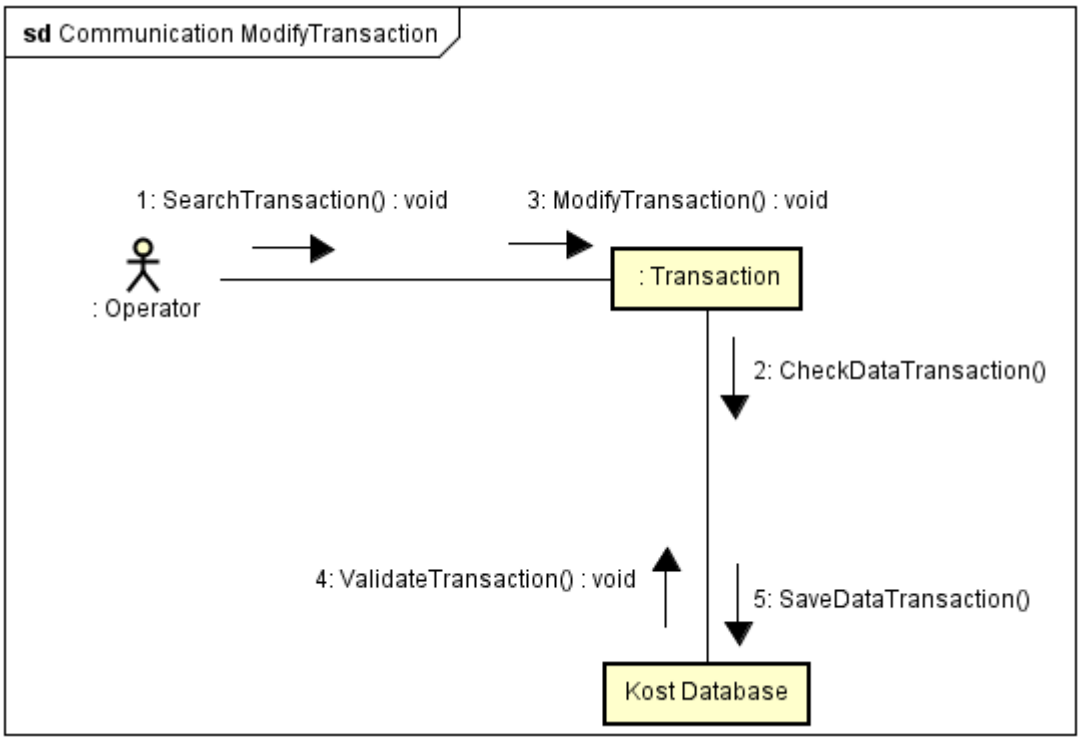
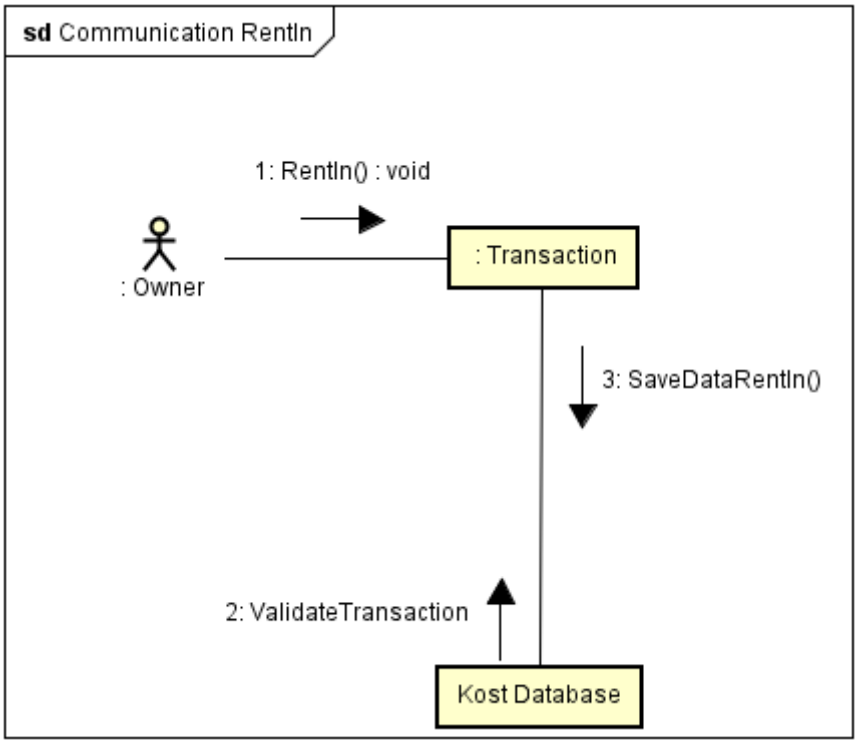
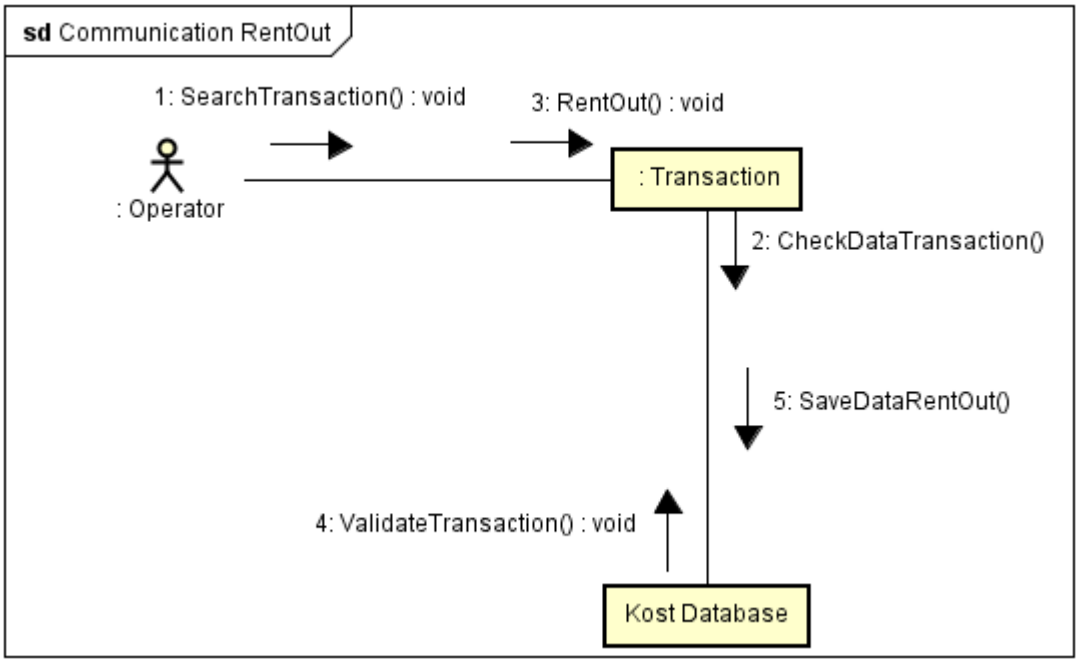


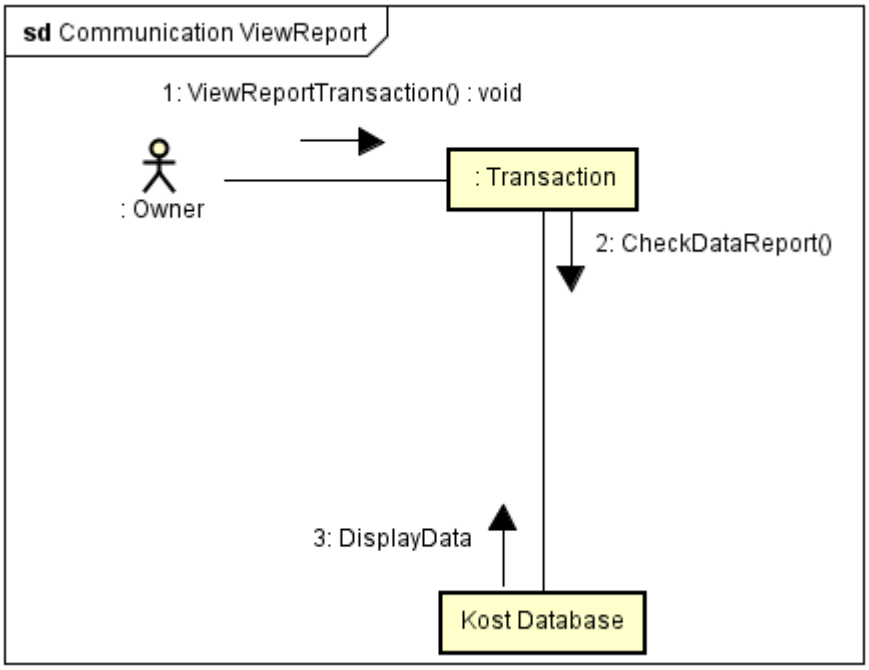
Communication Modify Transaction



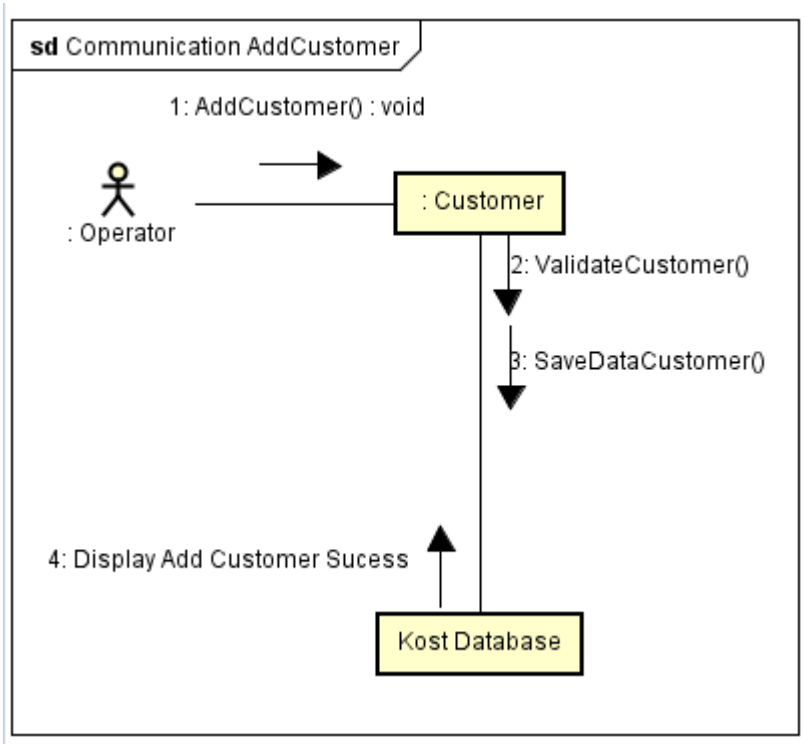
Communication Rent In



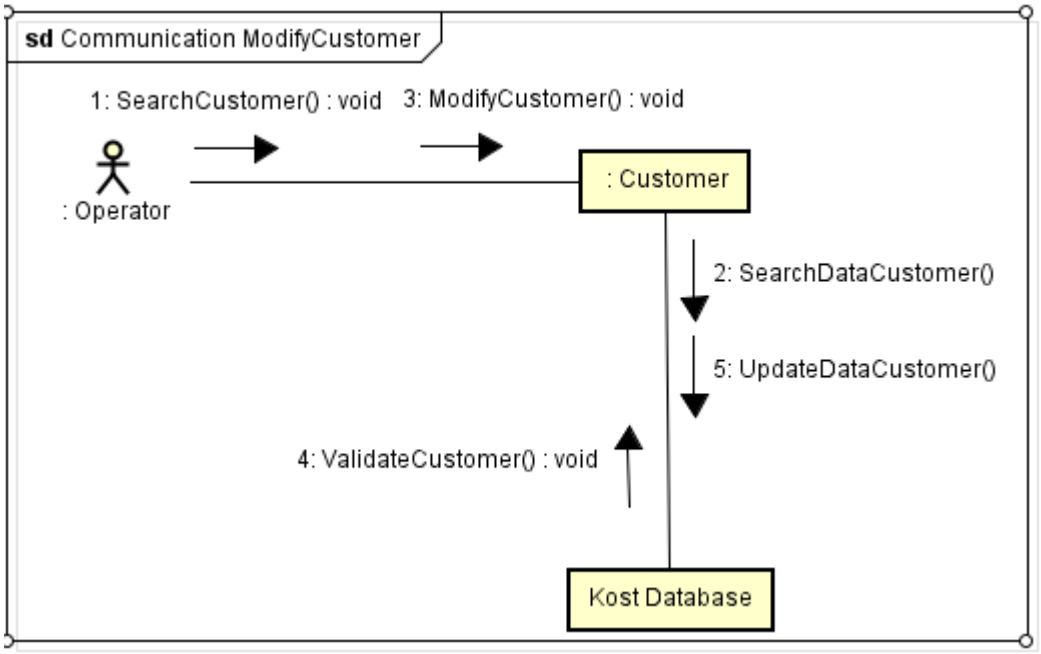
Communication Rent Out



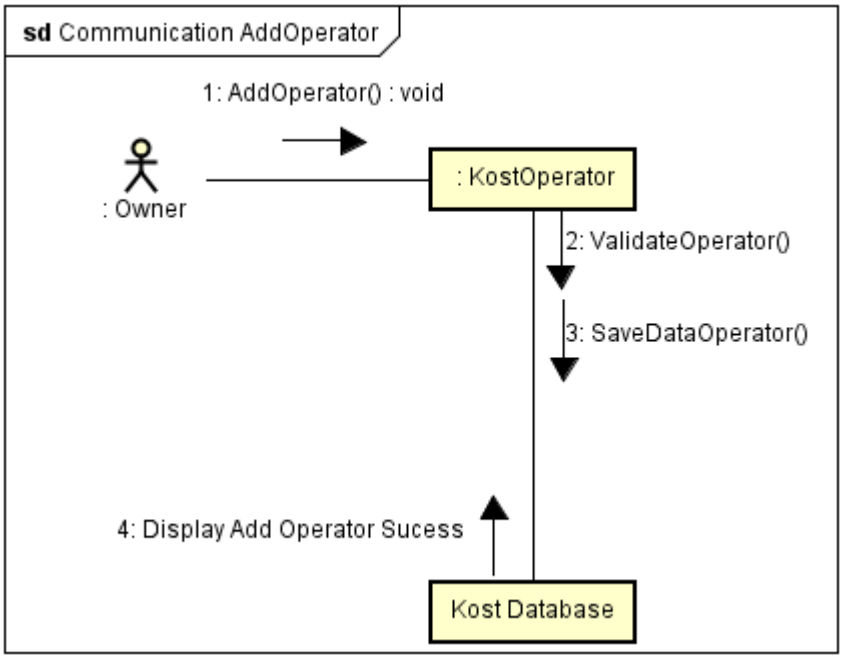
Communication View Report



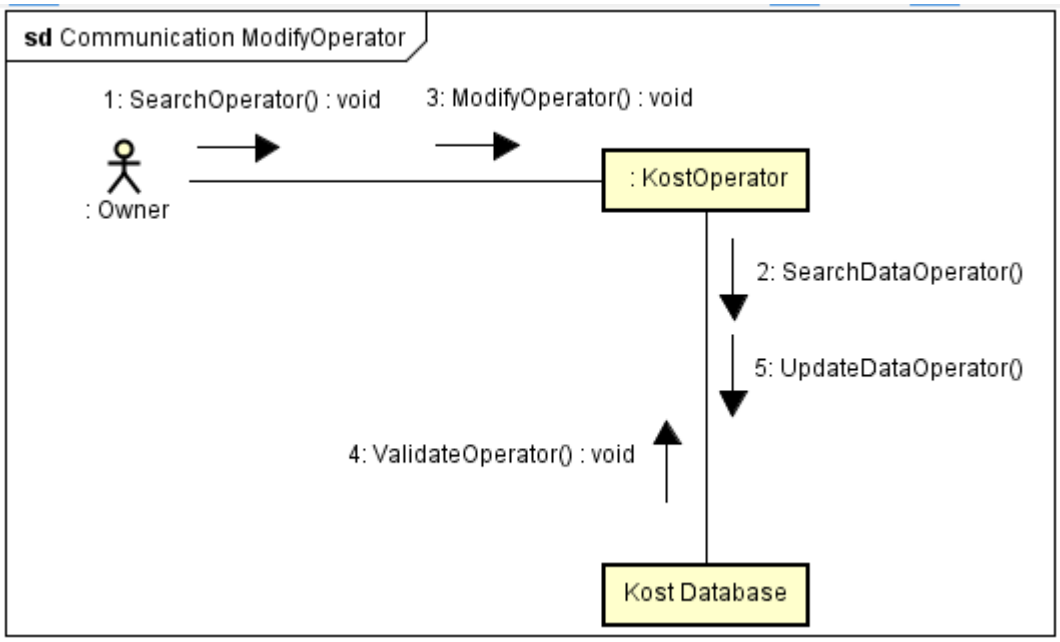
Communication Add Customer



Communication Modify Customer

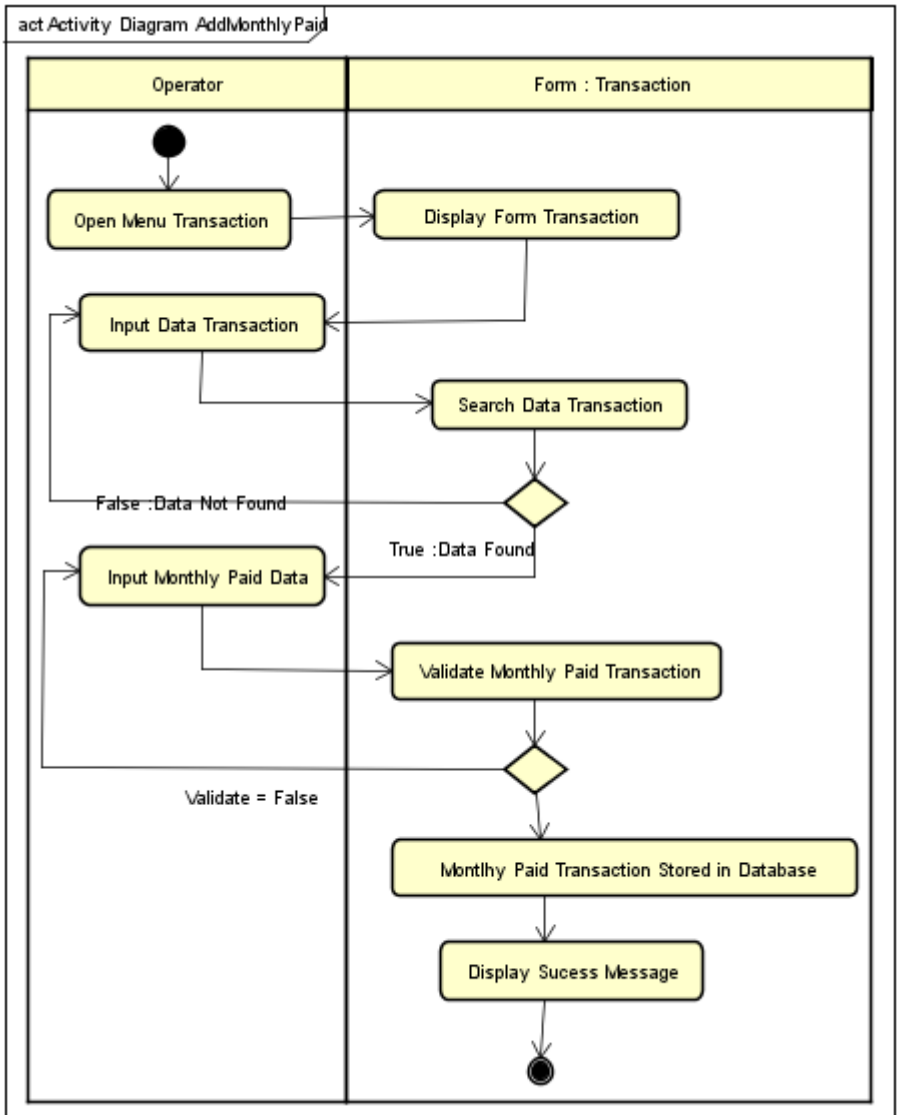


Communication Add Operator

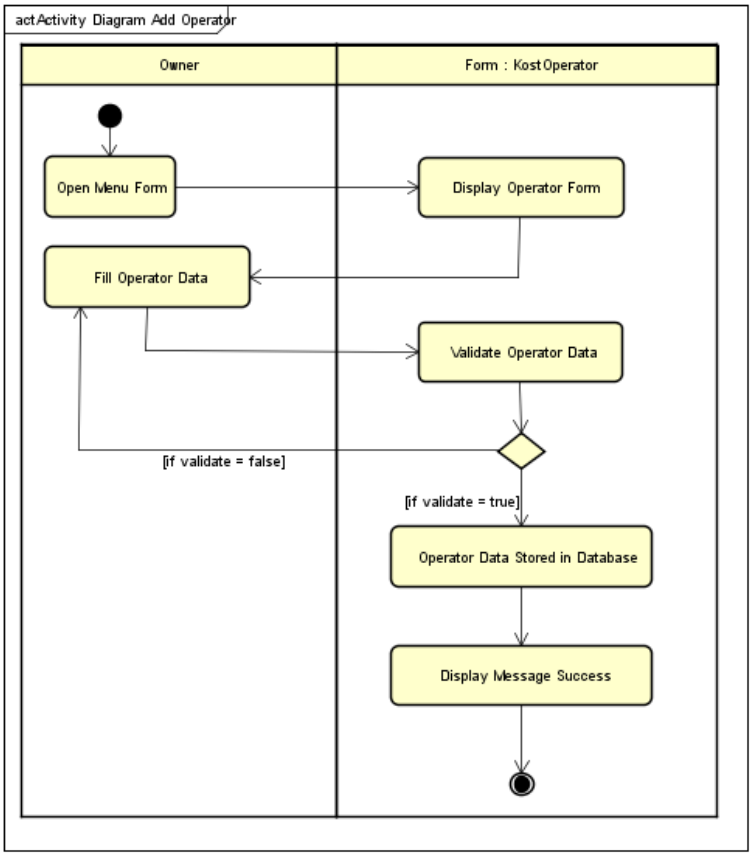


Communication Modify Operator

ACTIVITY DIAGRAM FOR RENT HOUSE



Activty Diagram Add Monthly Paid



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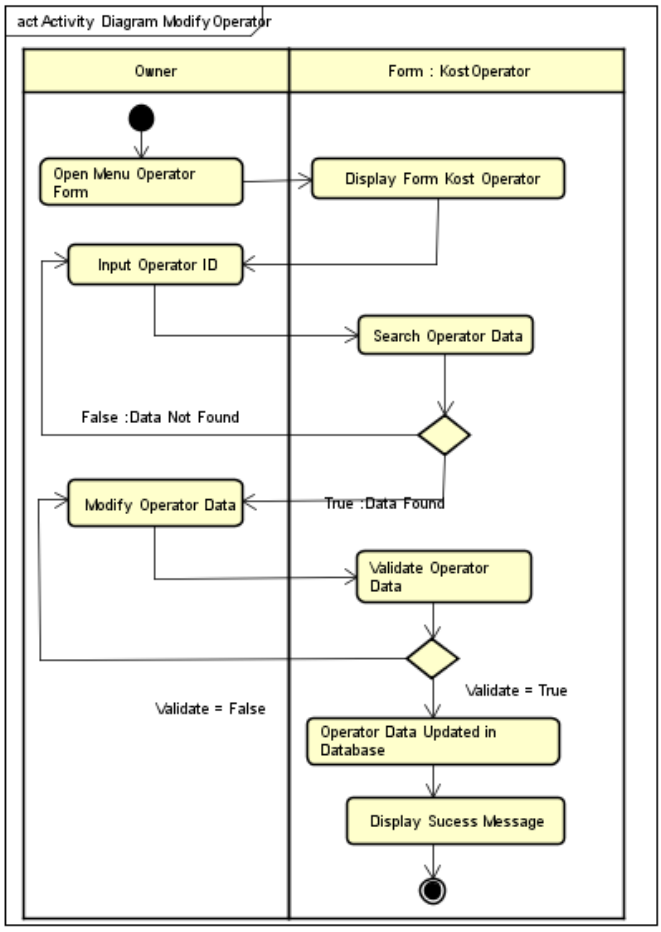
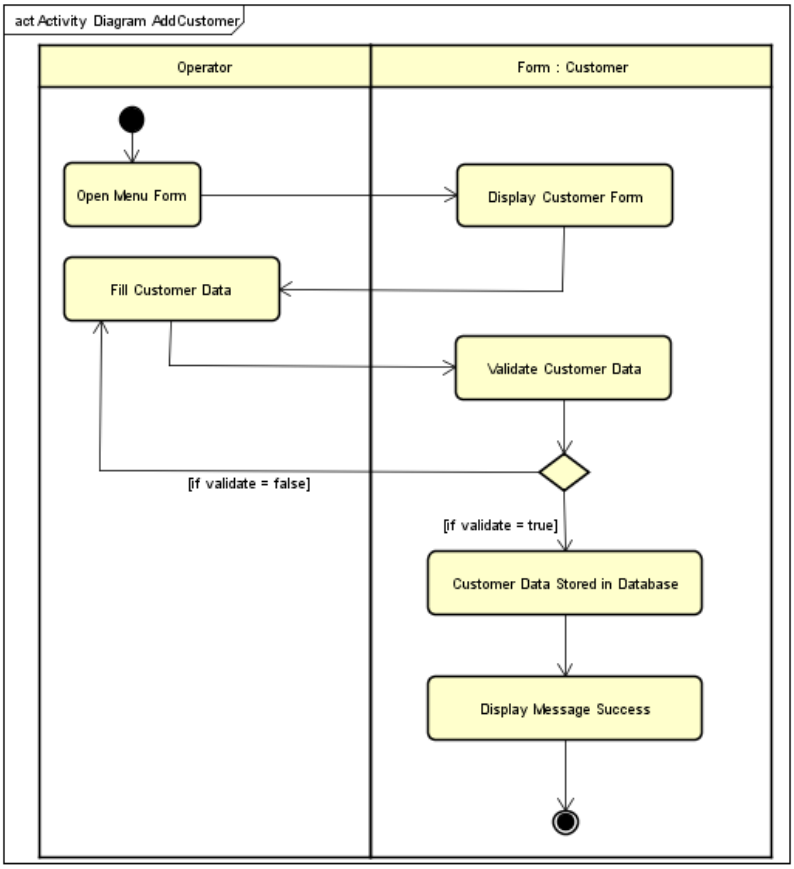
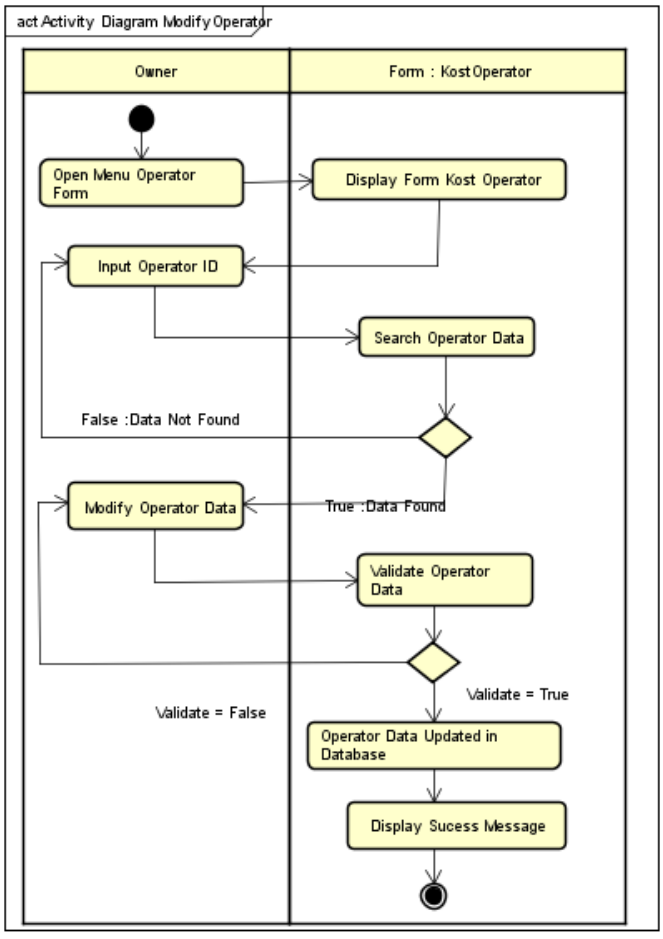


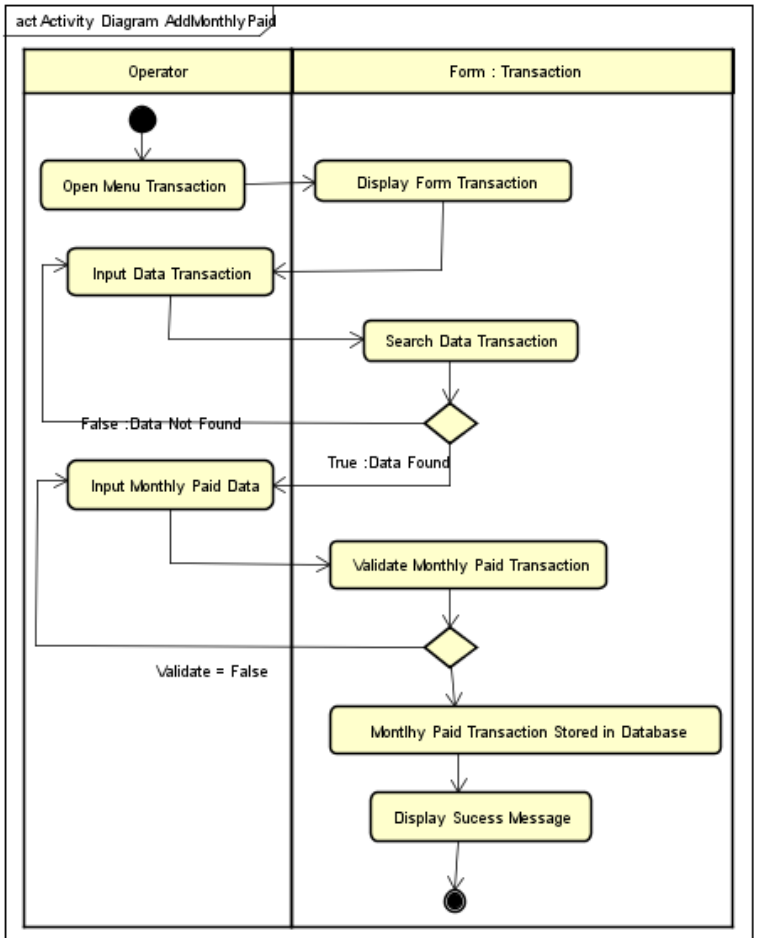
Activty Diagram Modify Operator



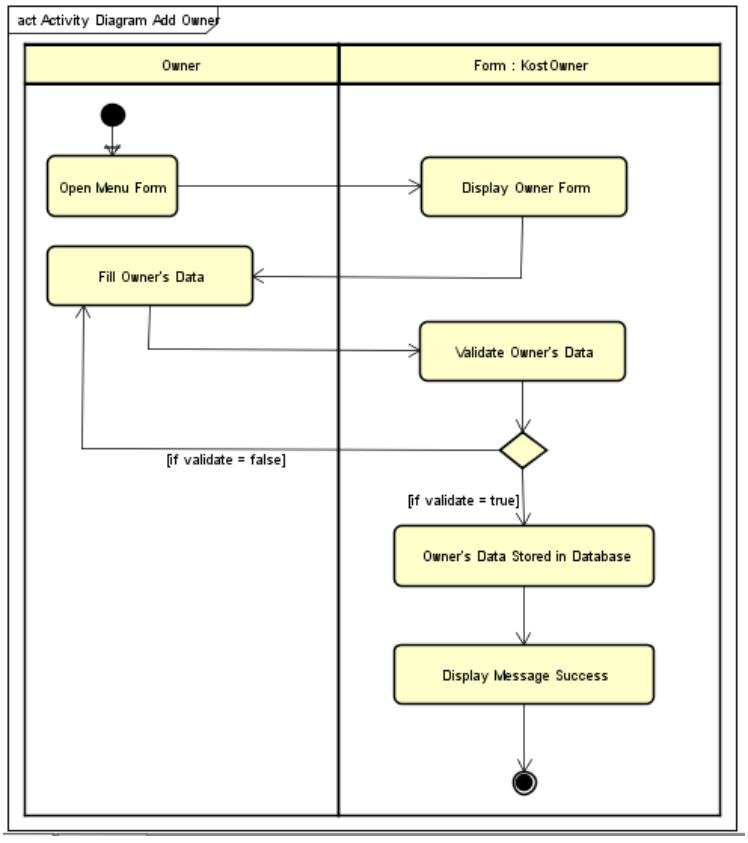
Activty Diagram Add Monthly Paid



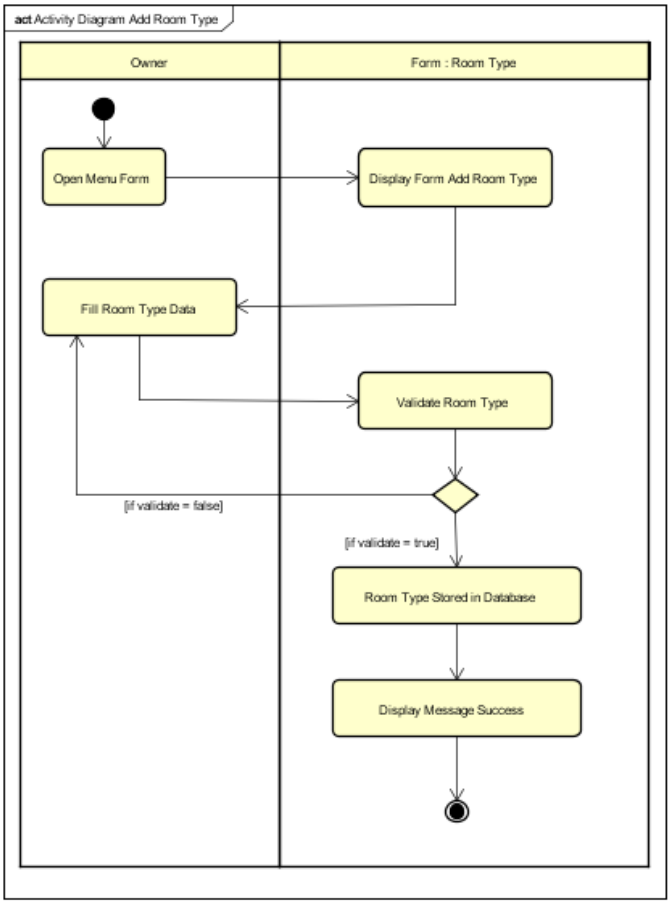
Activity Diagram Modify Operator



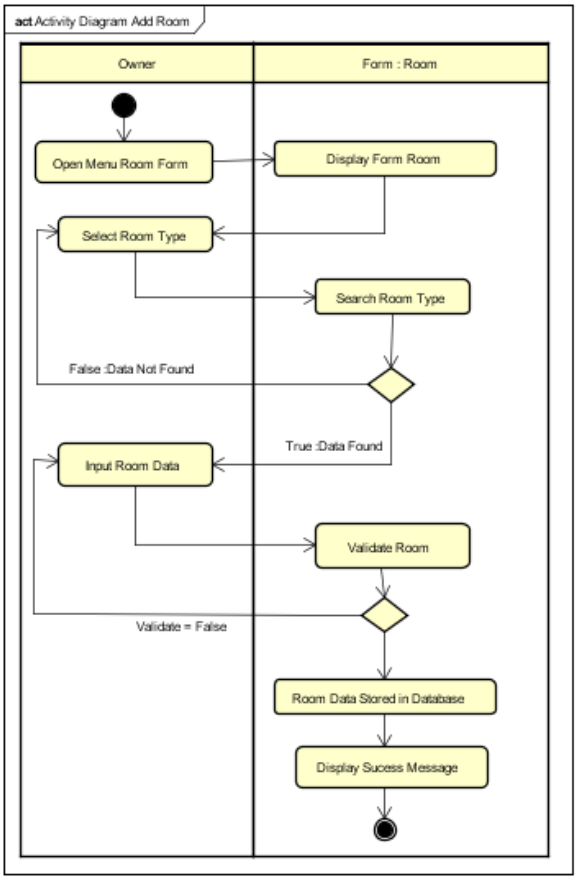
Activty Diagram Add Monthly Paid



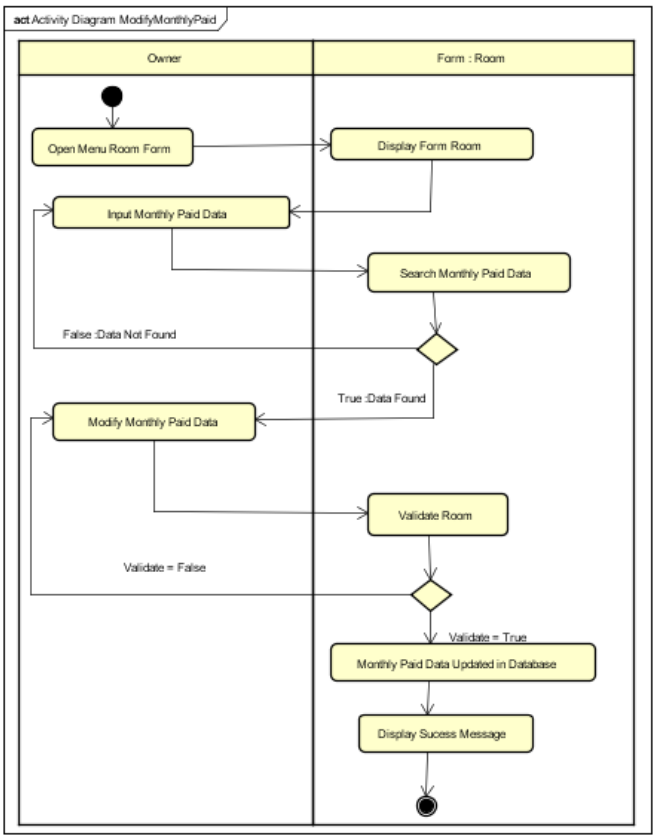
Activty Diagram Add Owner



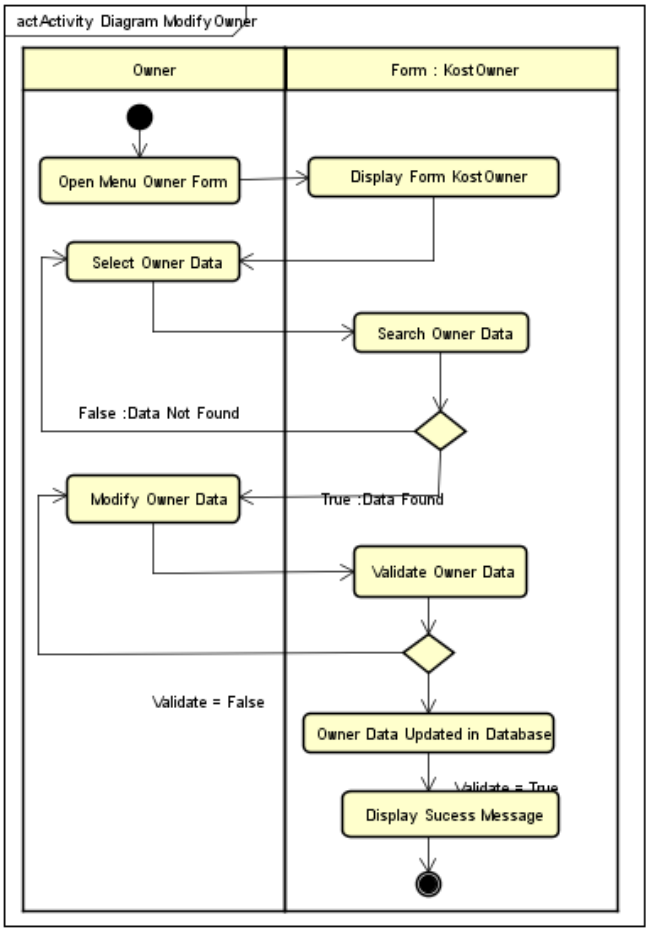
Activty Diagram Add Room Type



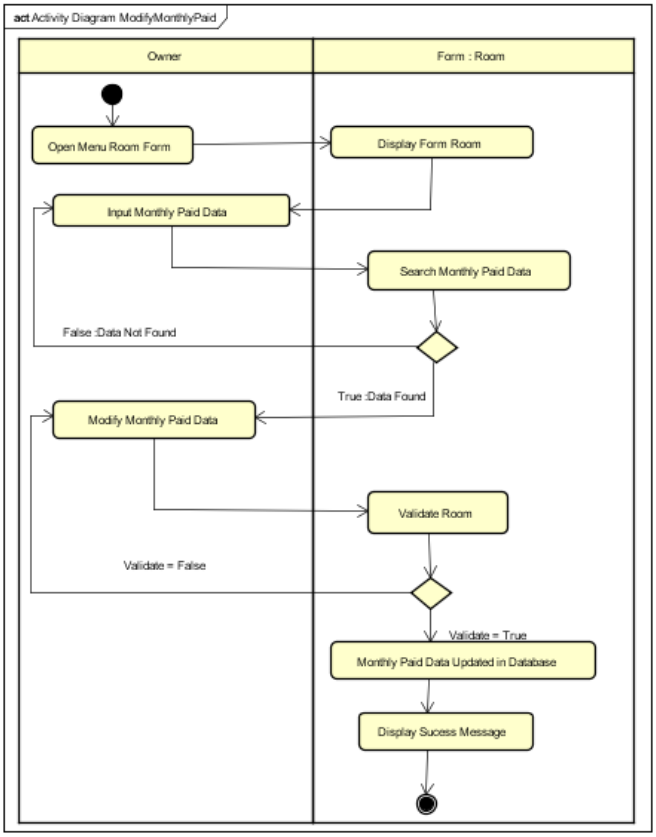
Activity Diagram Add Room



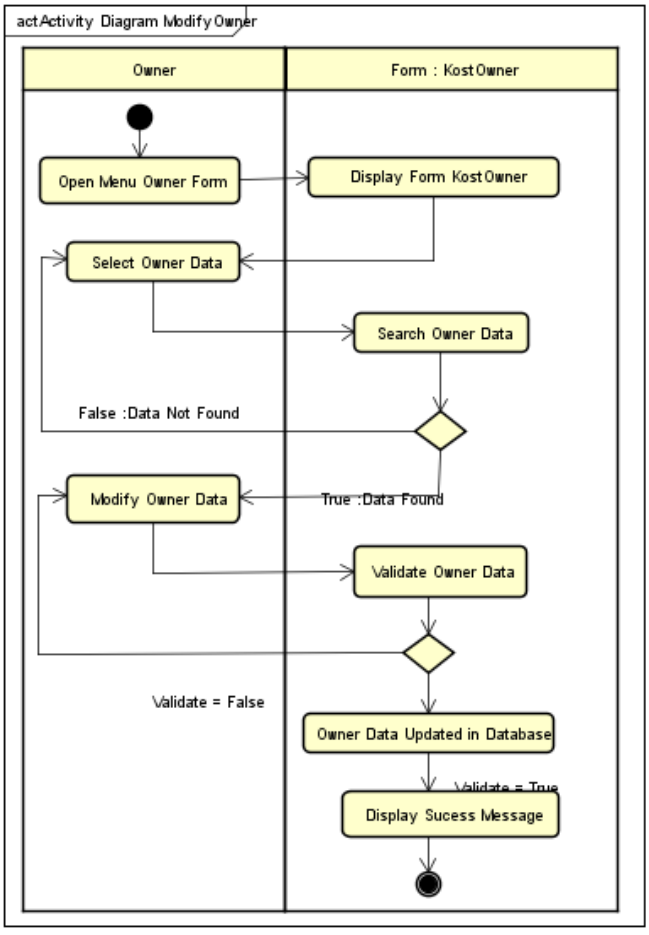
Activty Diagram Modify Monthly Paid



Activity Diagram Modify Owner

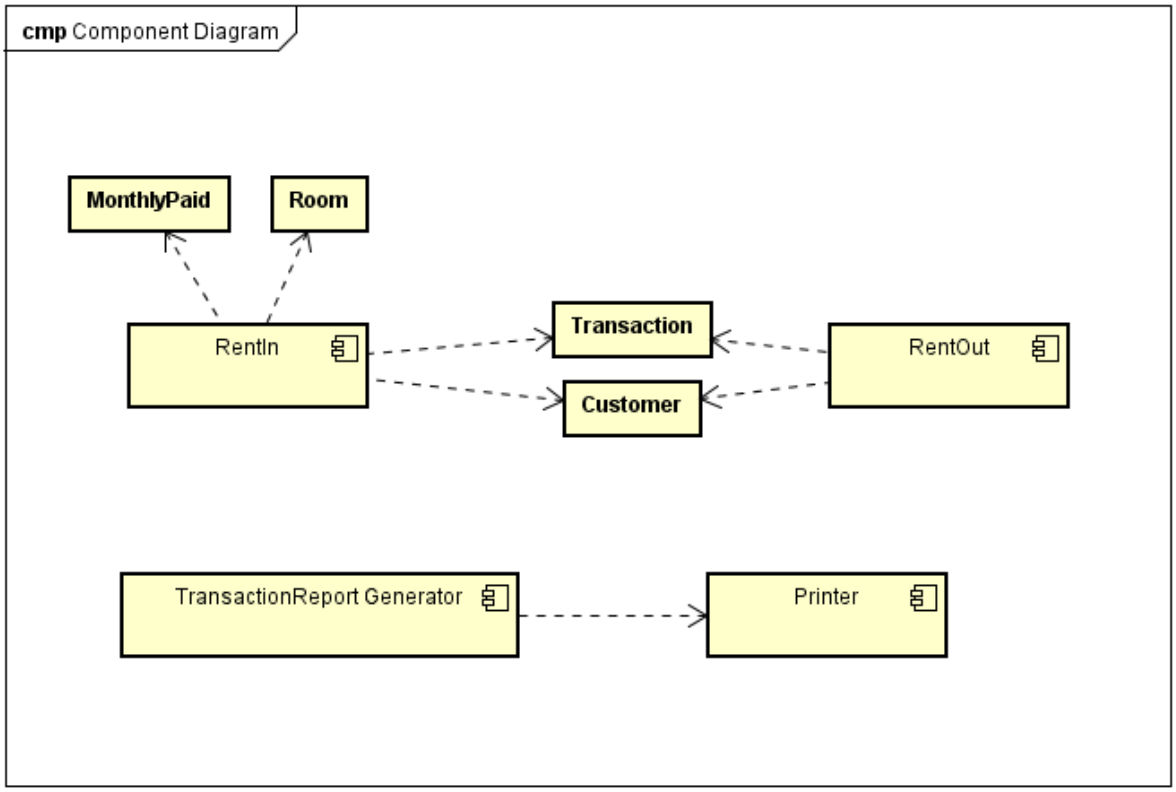


Activty Diagram Modify Monthly Paid



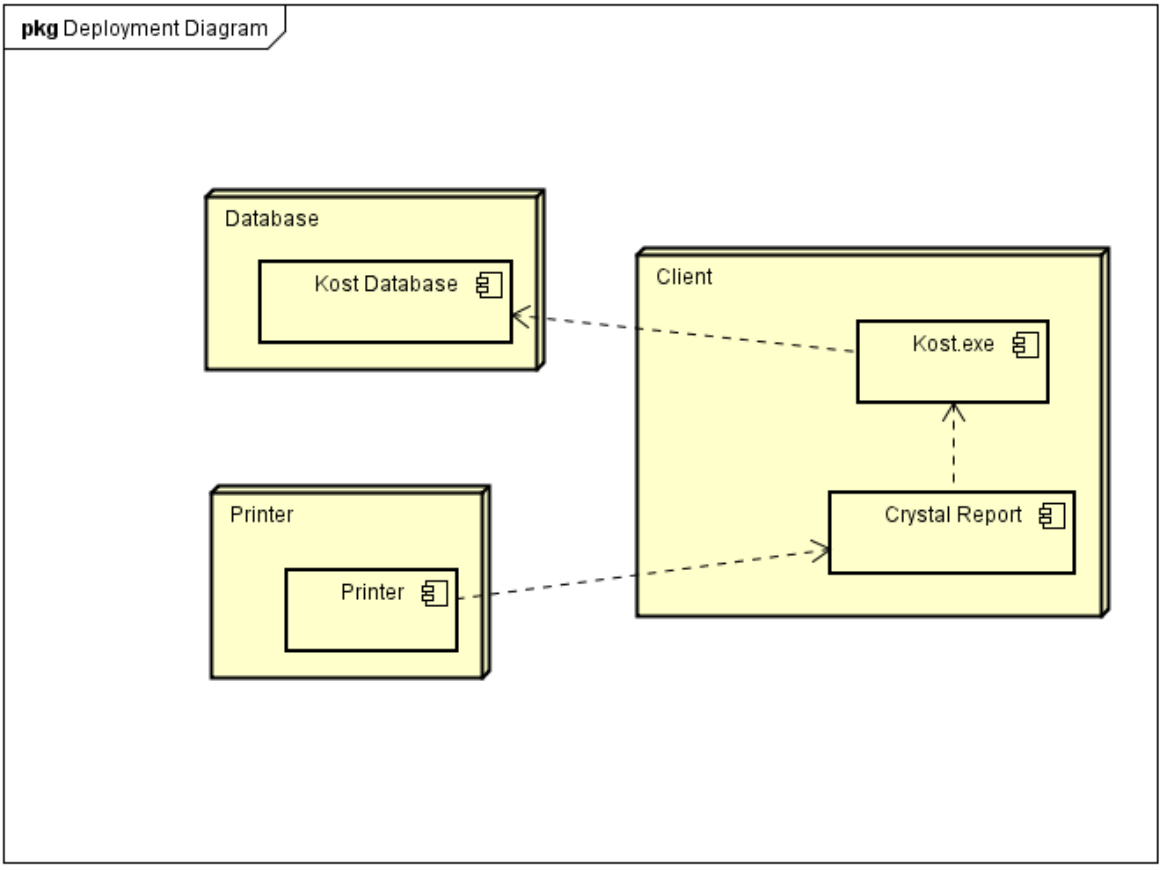
Activity Diagram Modify Owner

COMPONENT DIAGRAM FOR RENT HOUSE



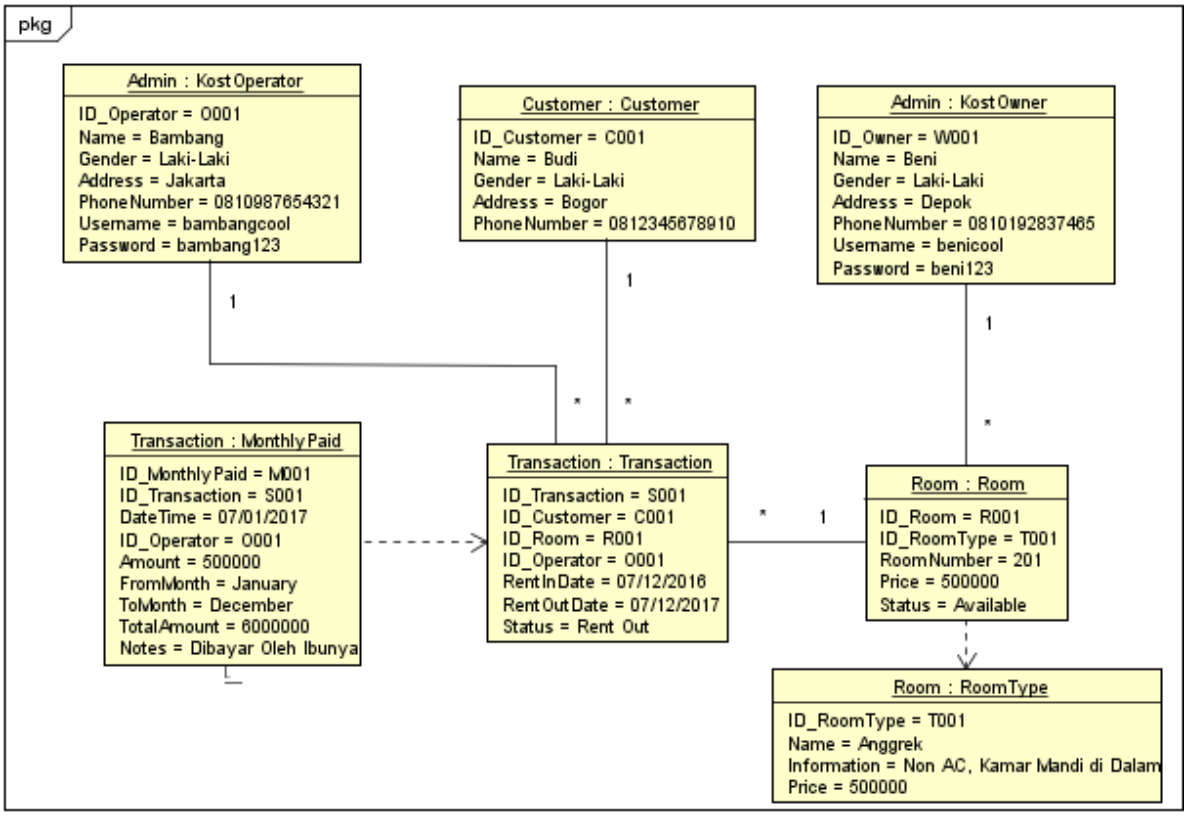
Component Diagram Rent House

DEPLOYMENT DIAGRAM FOR RENT HOUSE



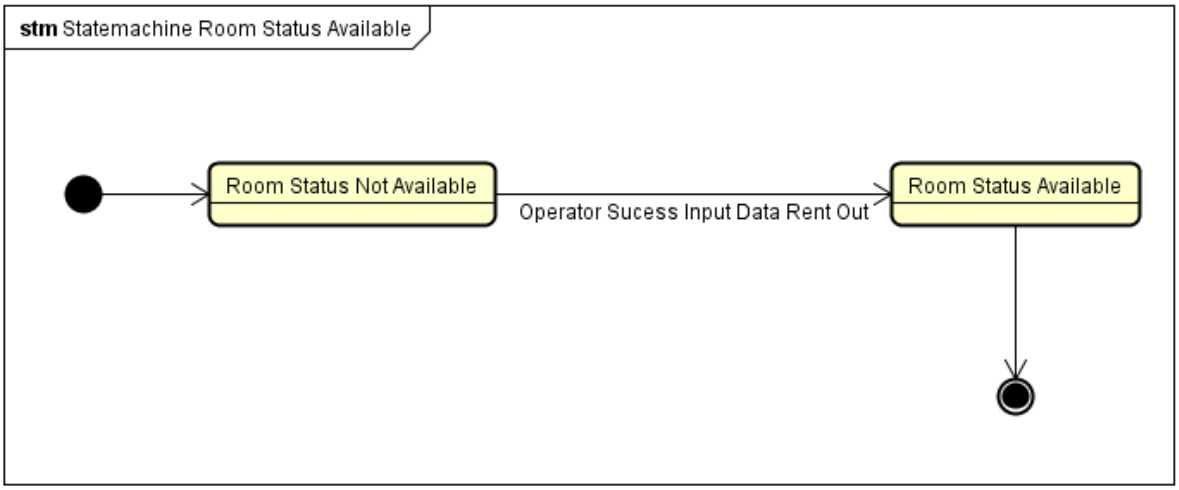
Deployment Diagram Rent House

OBJECT DIAGRAM FOR RENT HOUSE

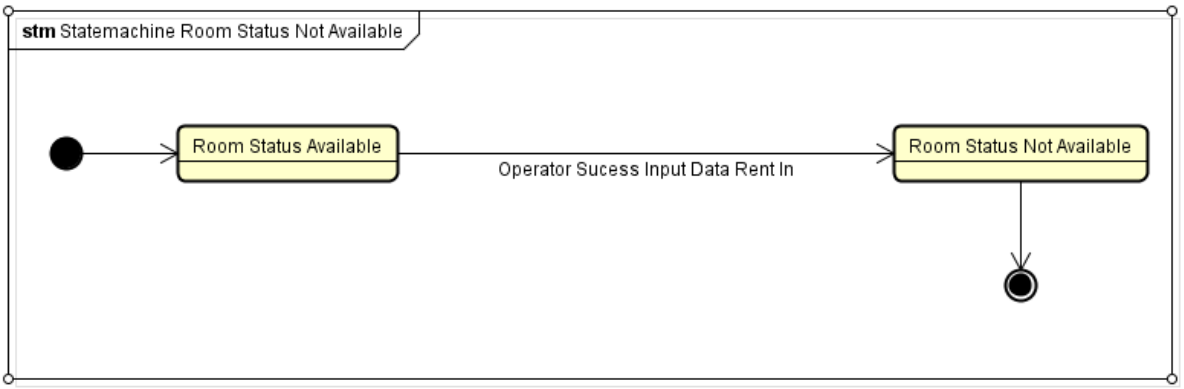


Object Diagram Rent House

STATEMACHINE DIAGRAM FOR RENT HOUSE



Statemachine Diagram Room Status Available



Statemachine Diagram Room Status Not Available