

Project Diagram
On
Real Estate Management System

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INTRODUCTION

Study of Existing System

The system consist of two modules

- Administrator and
- Customer

The system was supposed to provide the following facilities

- Searching for property
- Viewing property information
- Viewing seller information
- Booking property
- Good user interface

Limitations of Existing System

- Searching facility for property was poor
- Difficult to manage the property and owner information
- The system does not keep the proper records of customers
- The system interface was not user friendly
- Difficult to generate report
- Time consuming

PROPOSED SYSTEM

Scope of Proposed System

- Consist of three modules
 - Administrator
 - Agent
 - Customer
- Provides property information online
- Provides online property booking
- Useful for property buyers
- Useful for property managers

Objectives of Proposed System

- Easy to operate.
- Easy to search property.
- Proper management of property.
- It should be easy to update property information.
- Easy to add/update seller/agent/customer information.
- Reduces amount of work.

OPERATING ENVIRONMENT

HARDWARE REQUIREMENTS

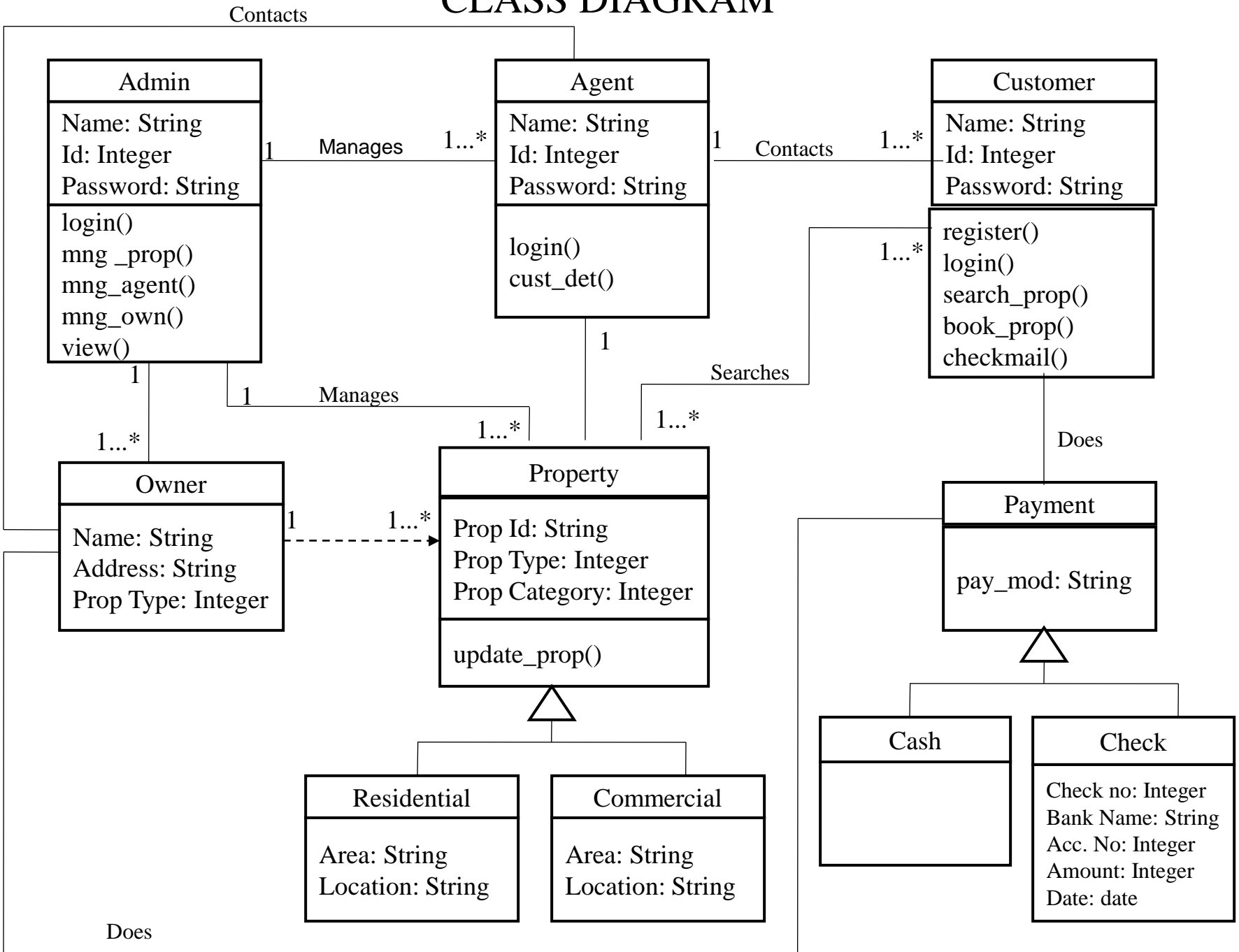
- Processor : i7
- RAM : 4 GB or Higher
- Hard Disk : 80 GB
- Input Device : Keyboard, Mouse
- Output Device : Monitor

SOFTWARE REQUIREMENTS

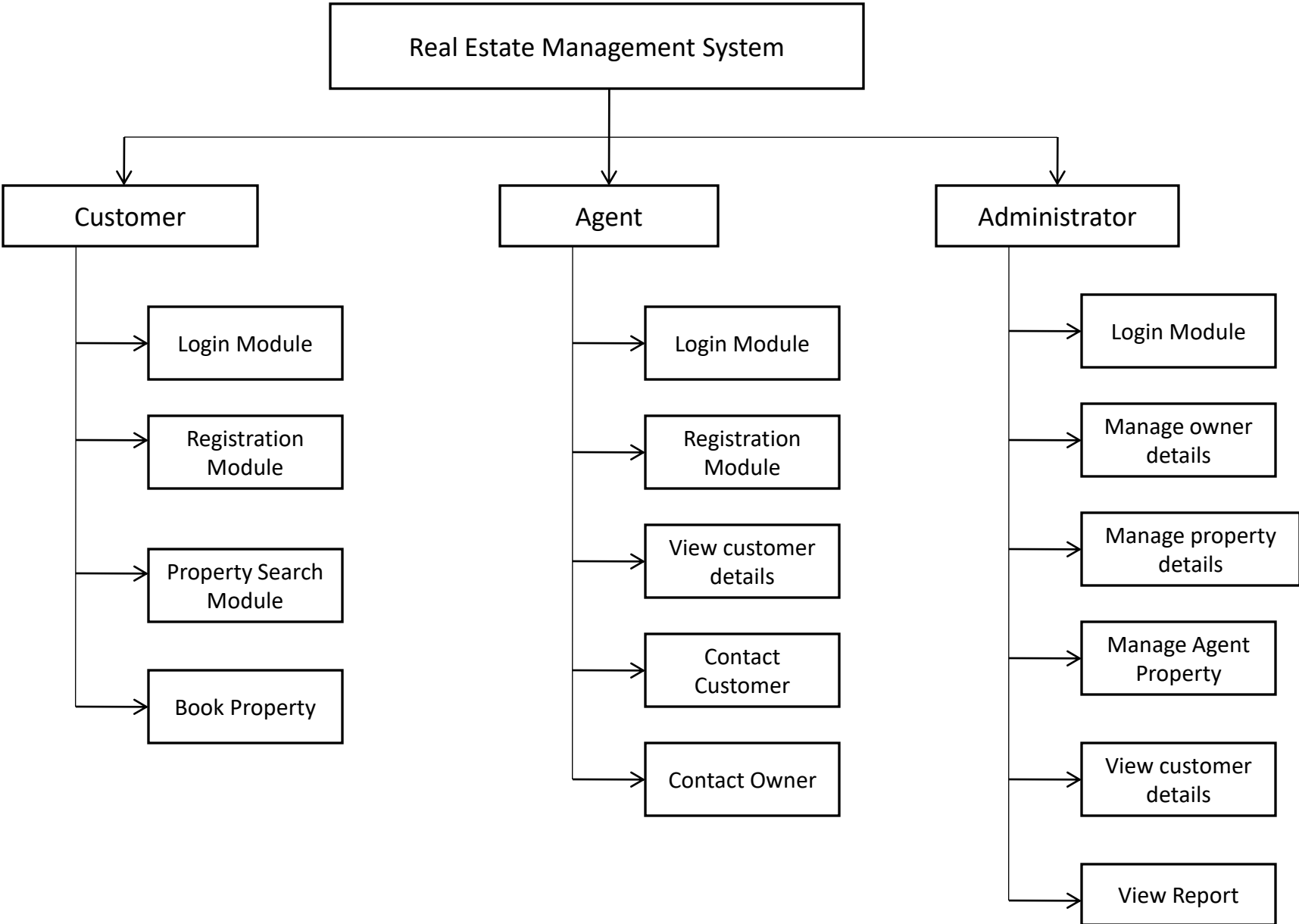
- Operating System : Windows 10
- Front End : Java Server Pages (JSP)
- Back End : Servlets, JavaBeans and JDBC
- Database : My SQL 6.5 or Higher
- Web Server : Apache Tomcat 6.0
- Other Technology : Java Script, HTML and CSS

DIAGRAMS

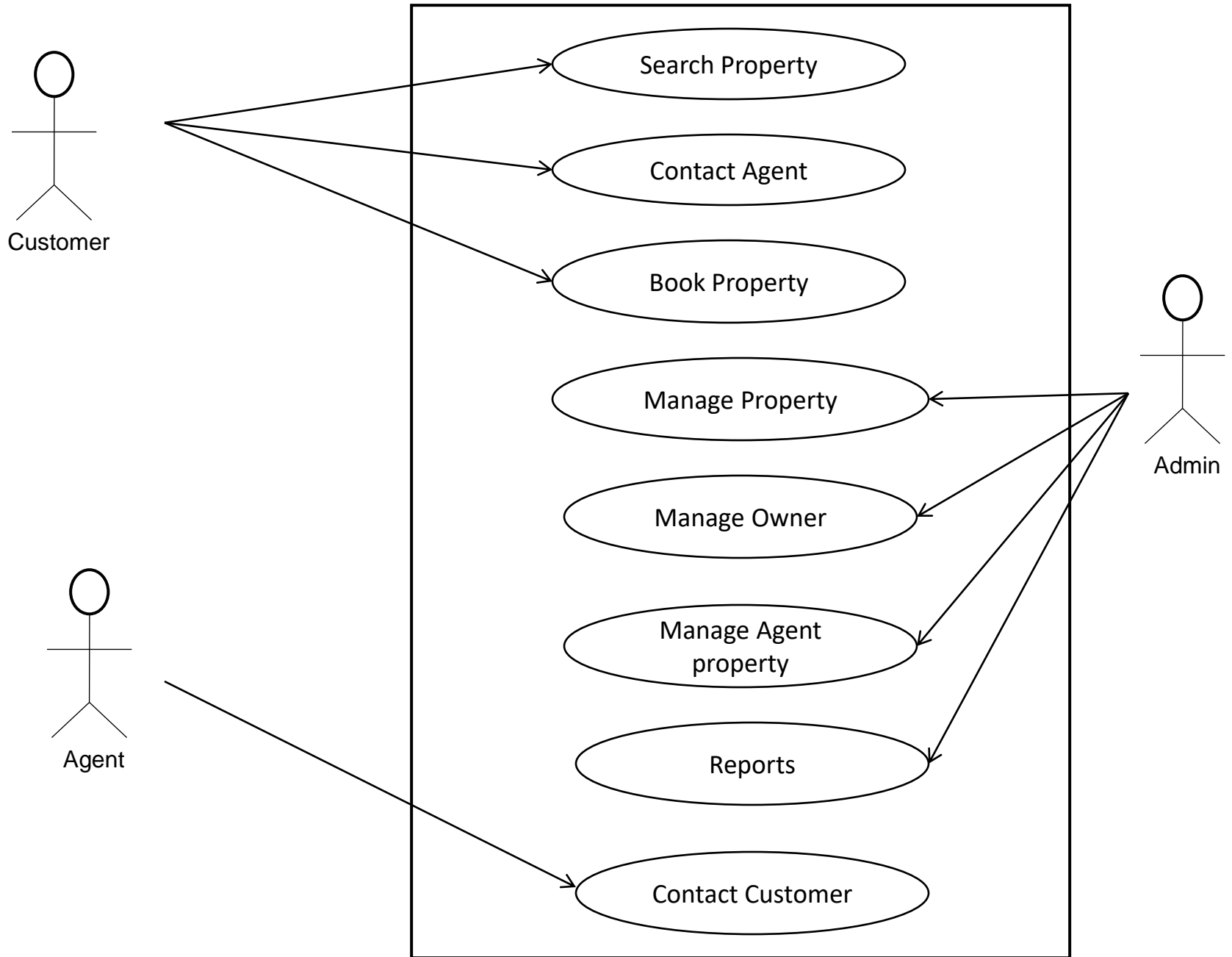
CLASS DIAGRAM



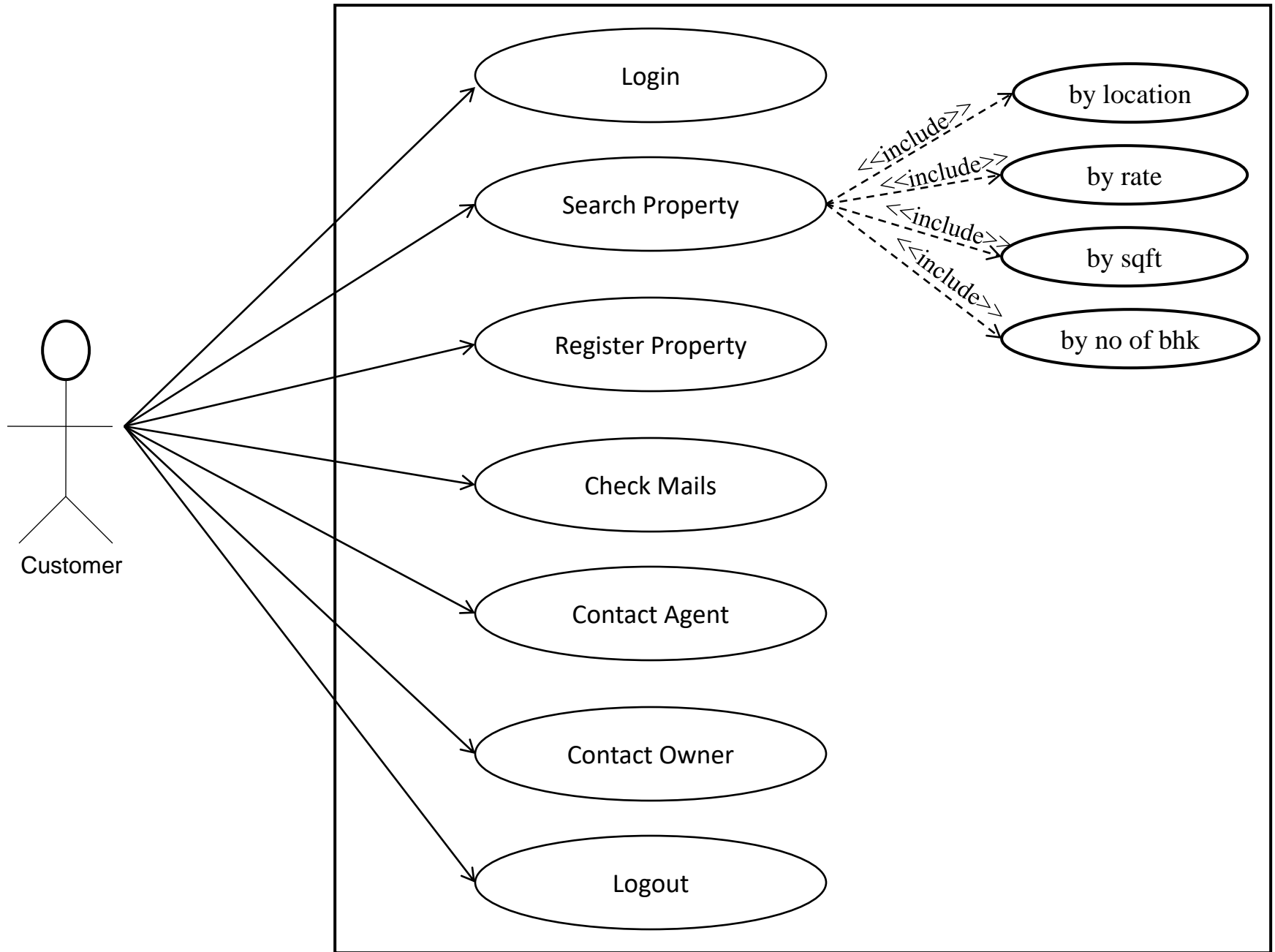
Module Hierarchy Diagram:



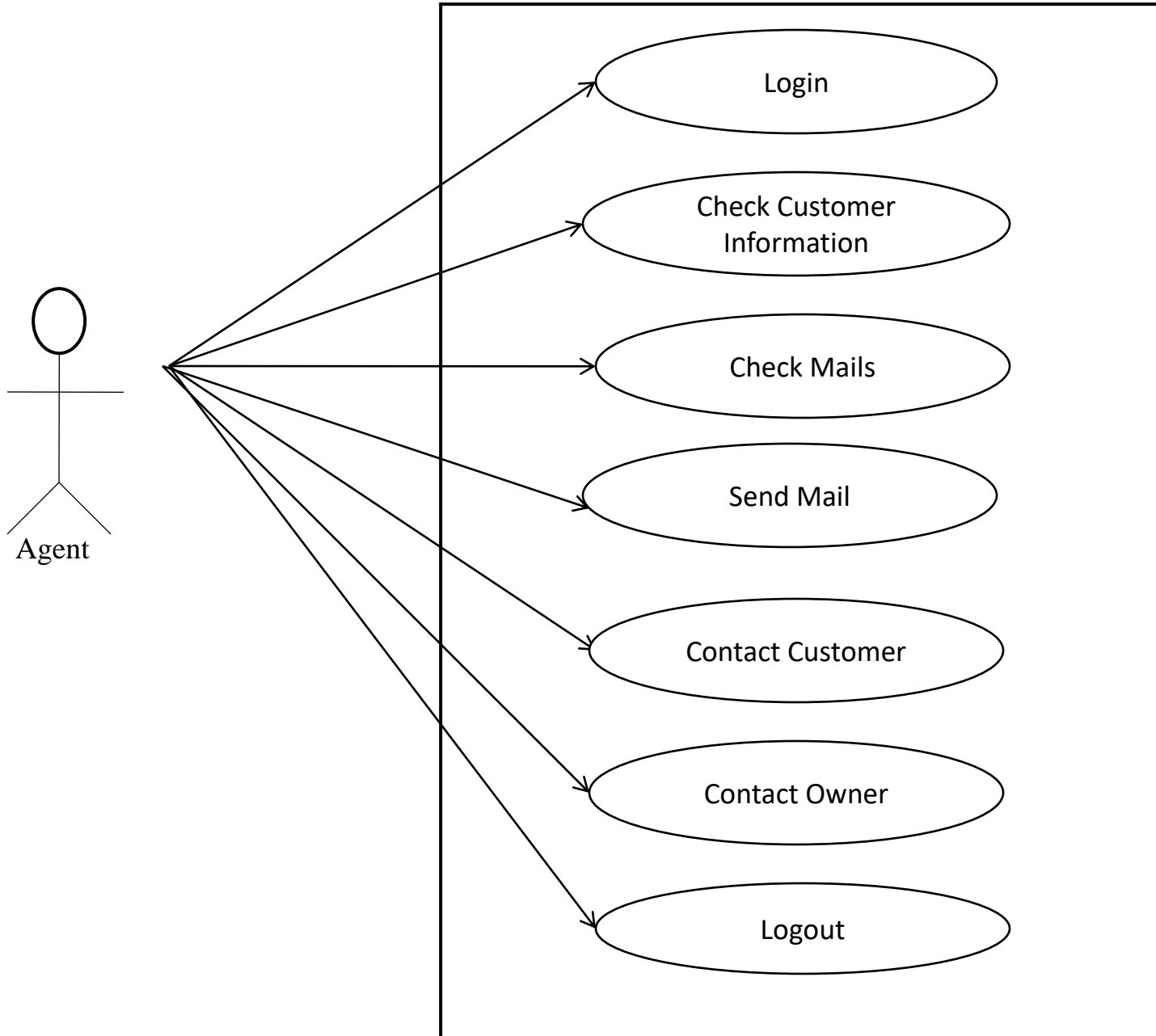
UML Diagram For System



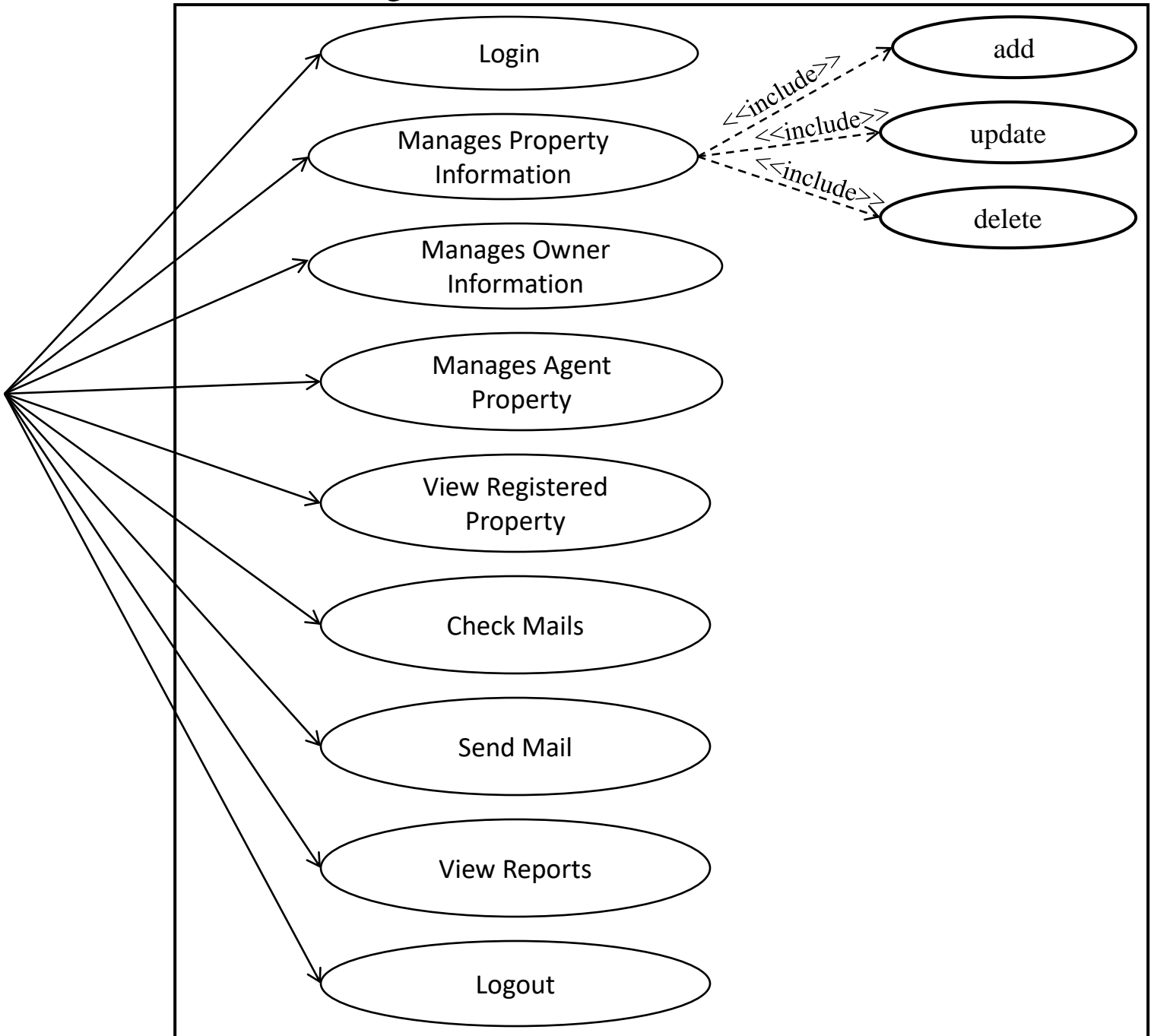
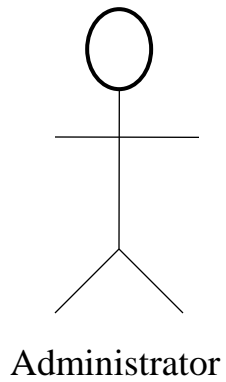
Use Case Diagram For Customer



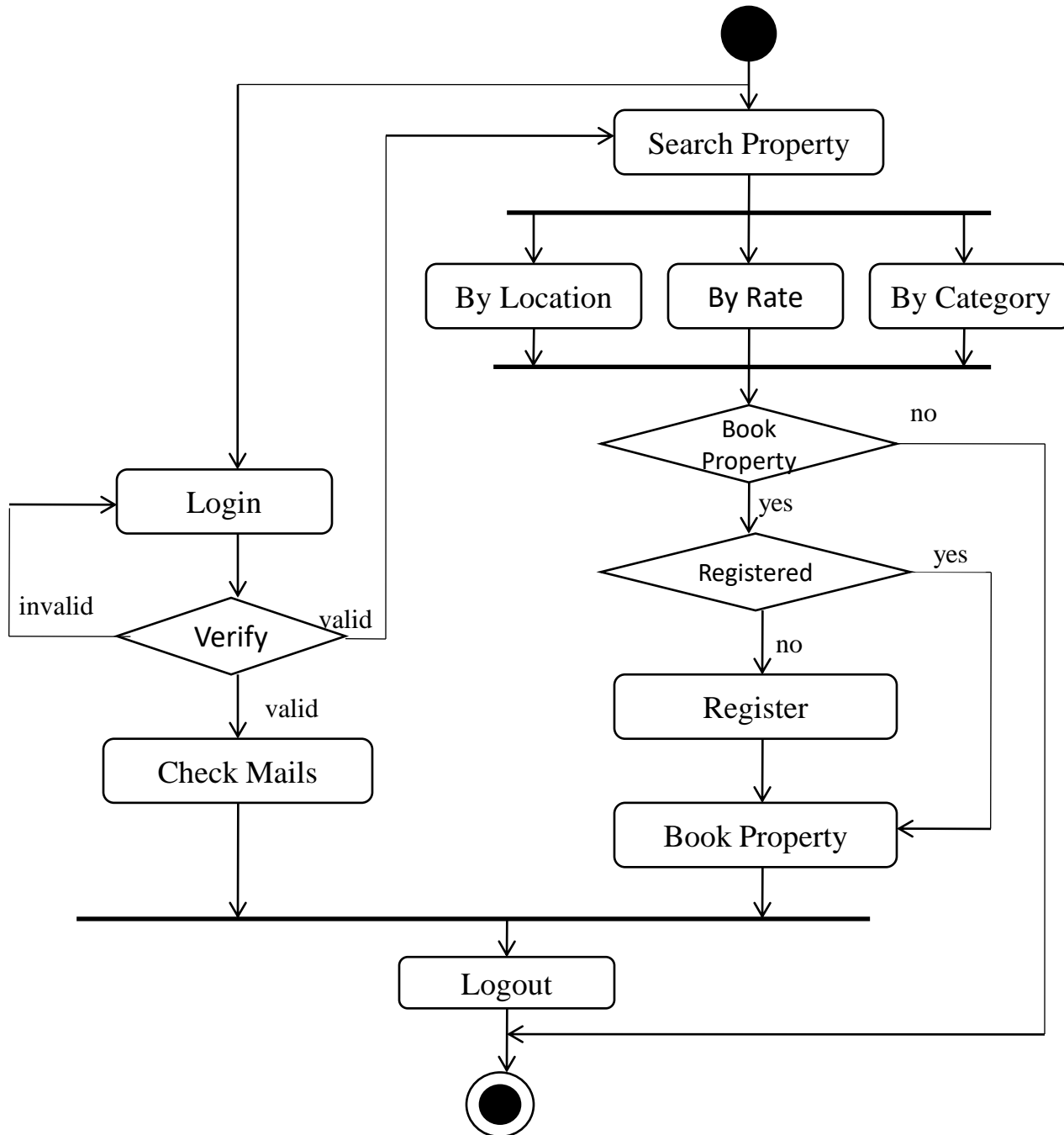
Use Case Diagram For Agent



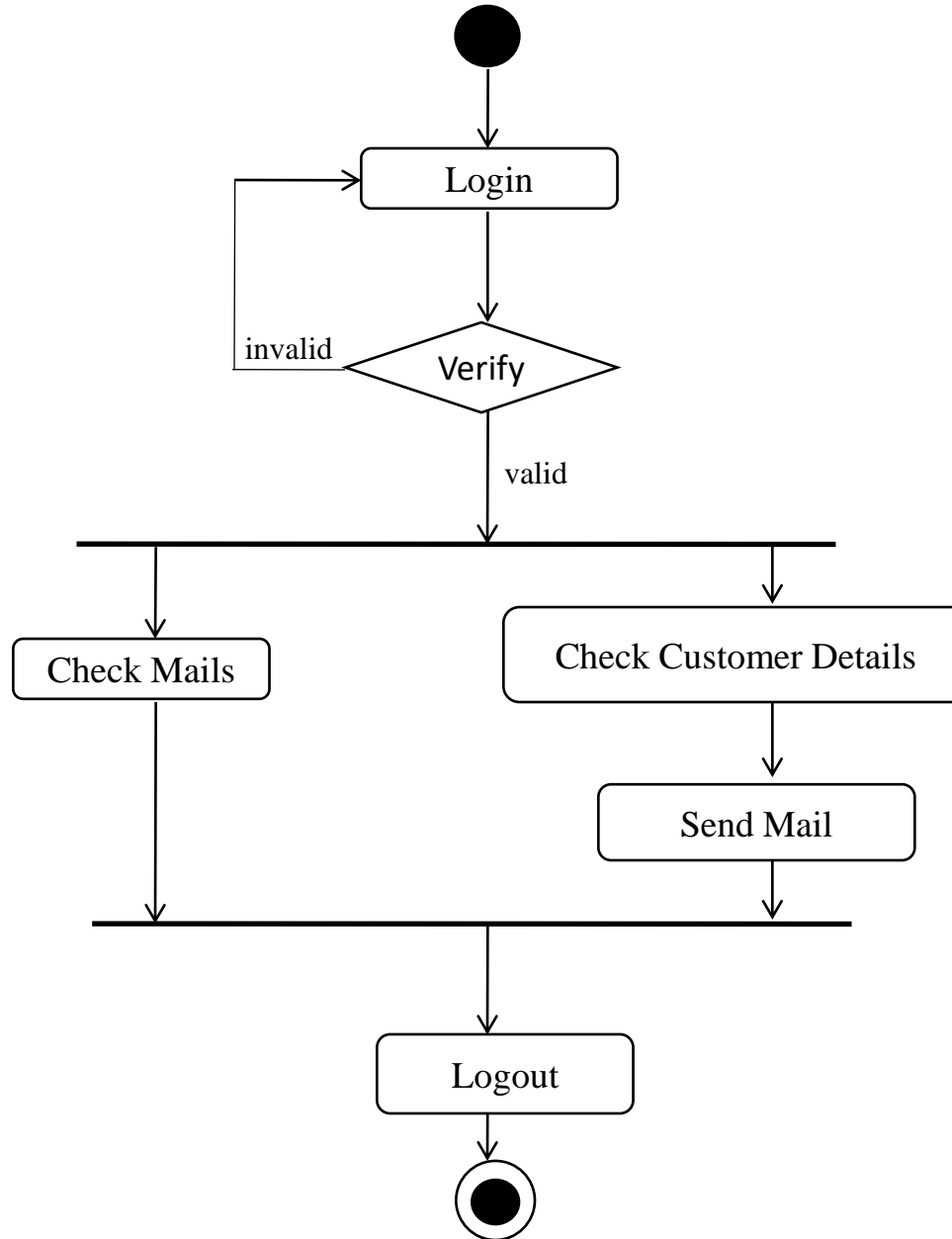
Use Case Diagram For Administrator



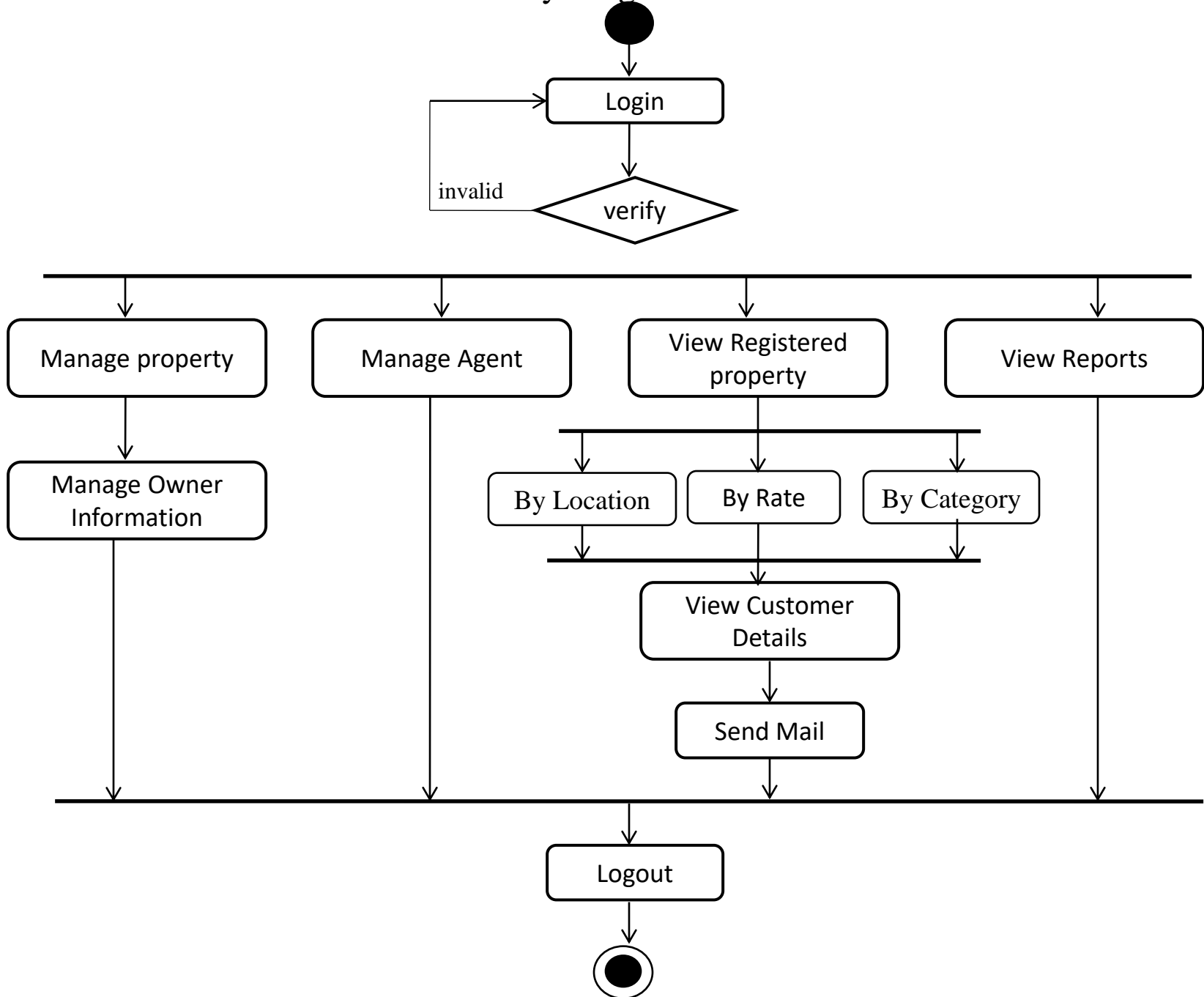
Activity Diagram For Customer



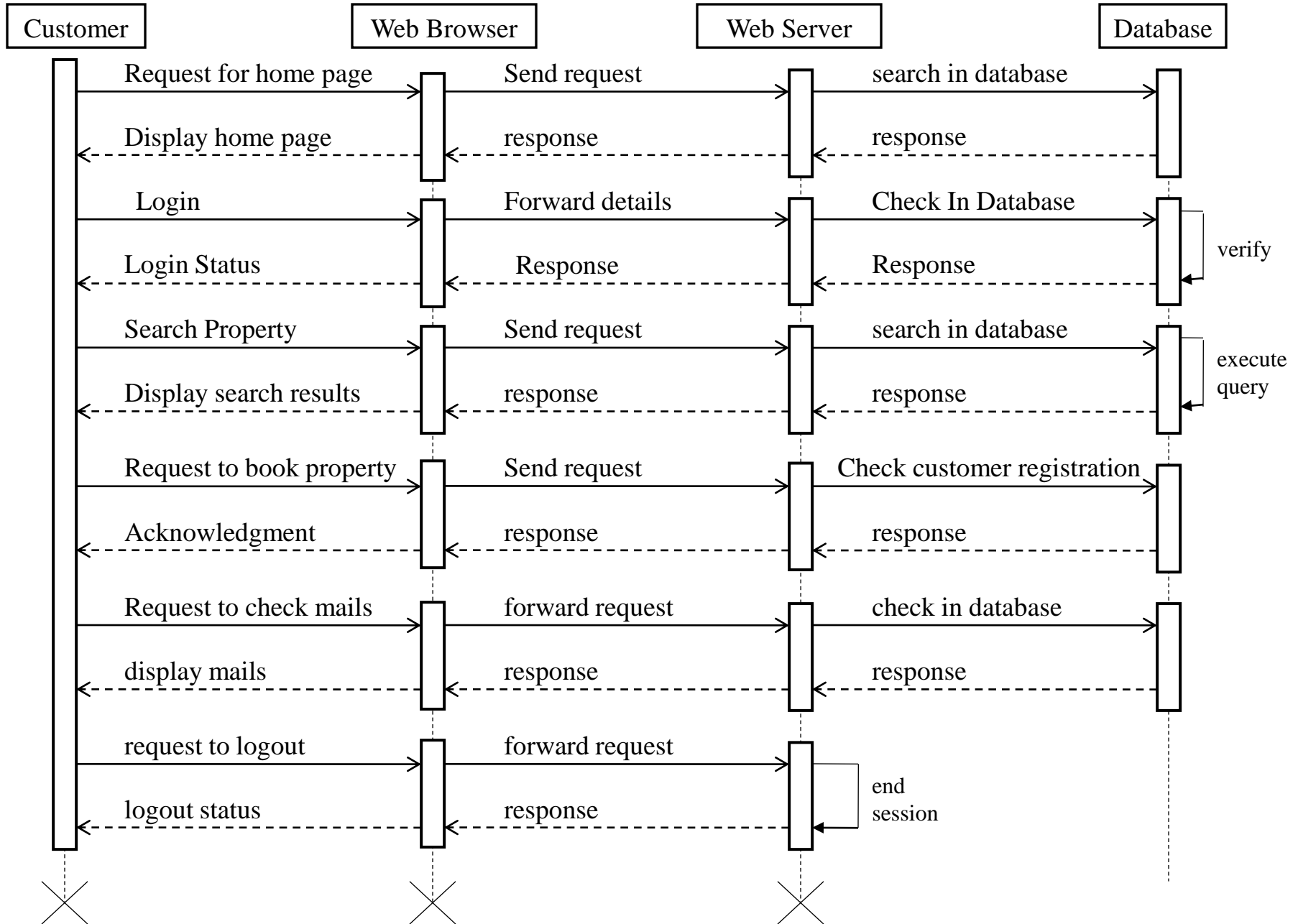
Activity Diagram For Agent



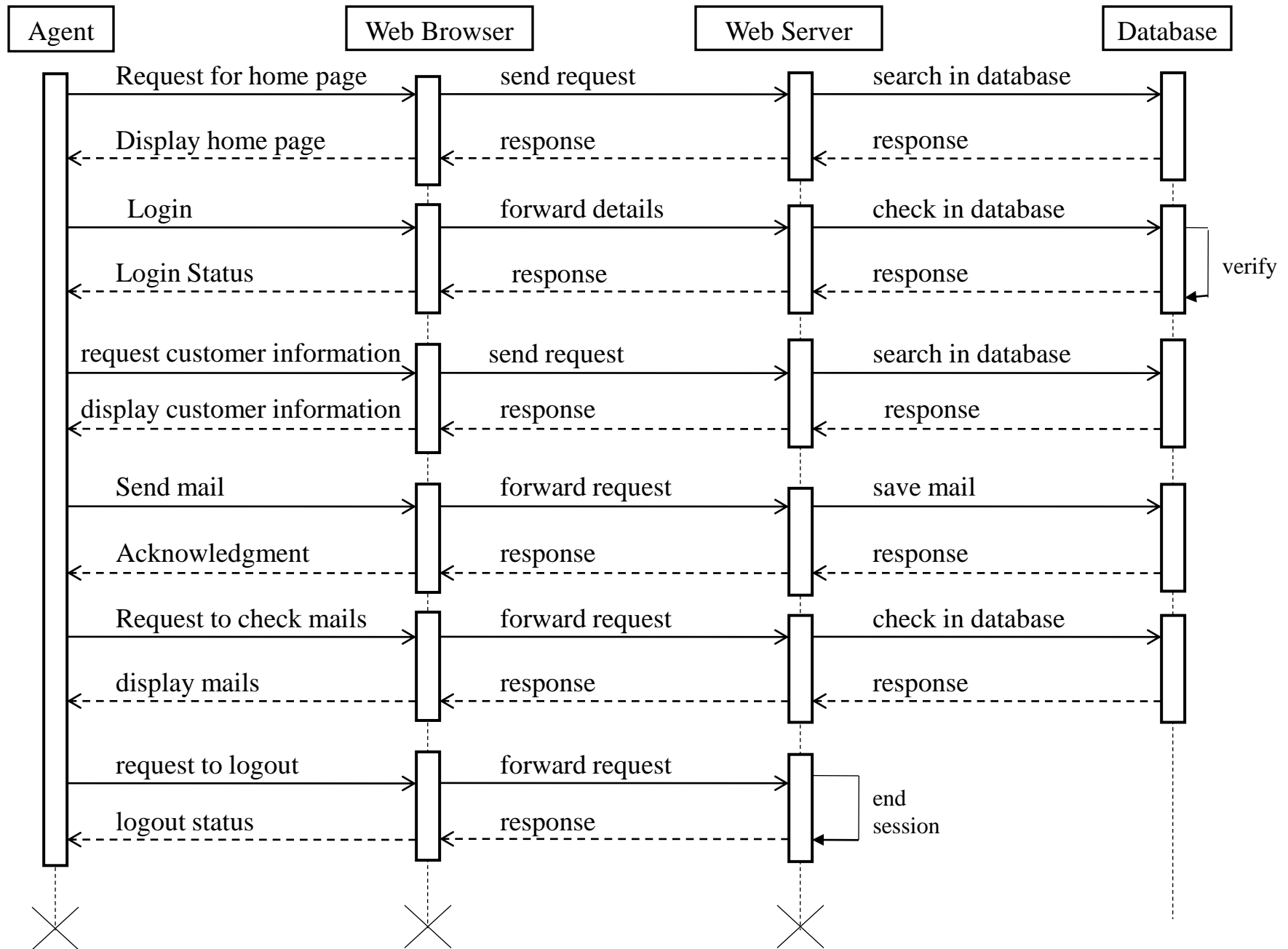
Activity Diagram For Administrator



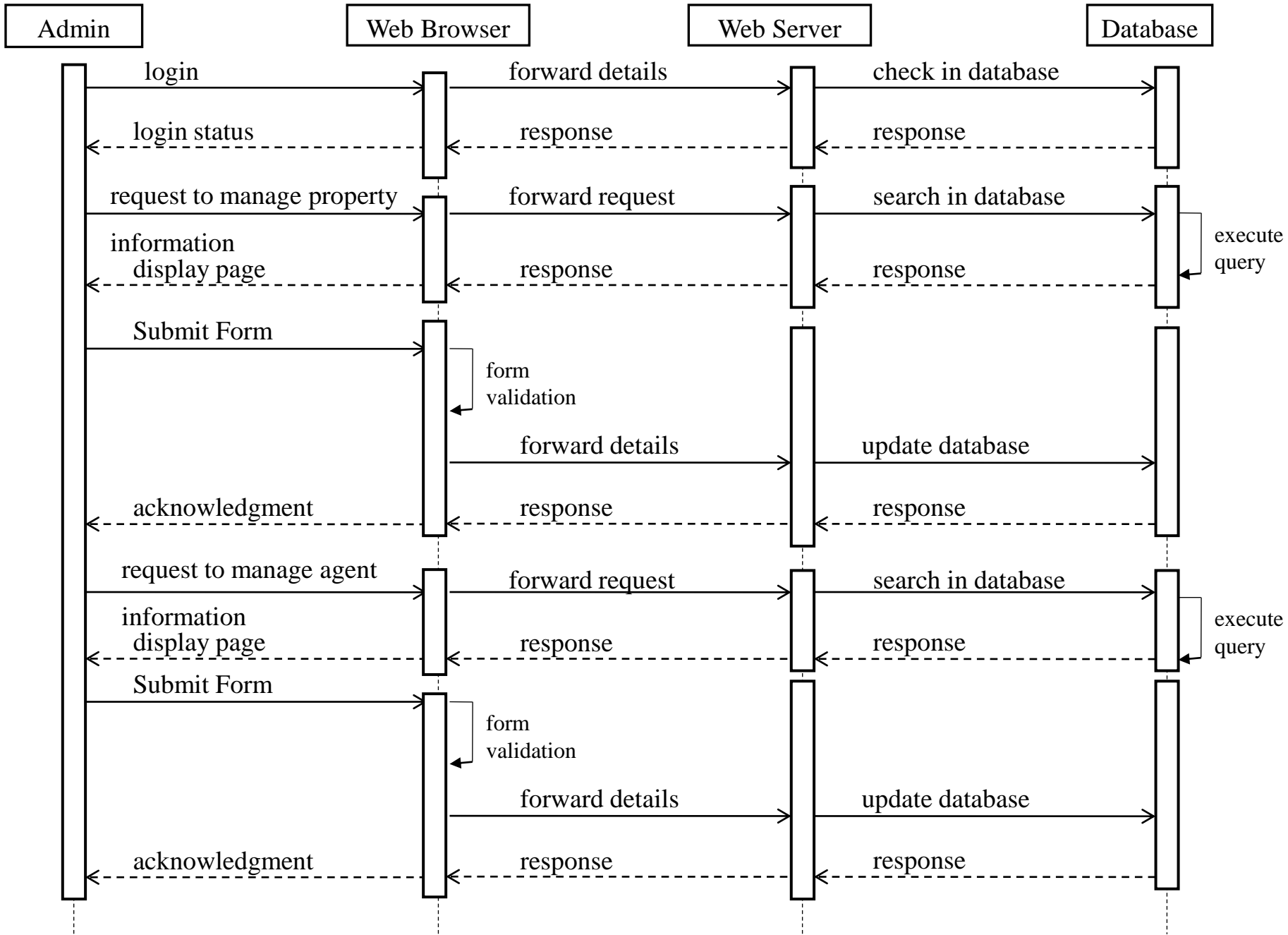
Sequence Diagram For Customer



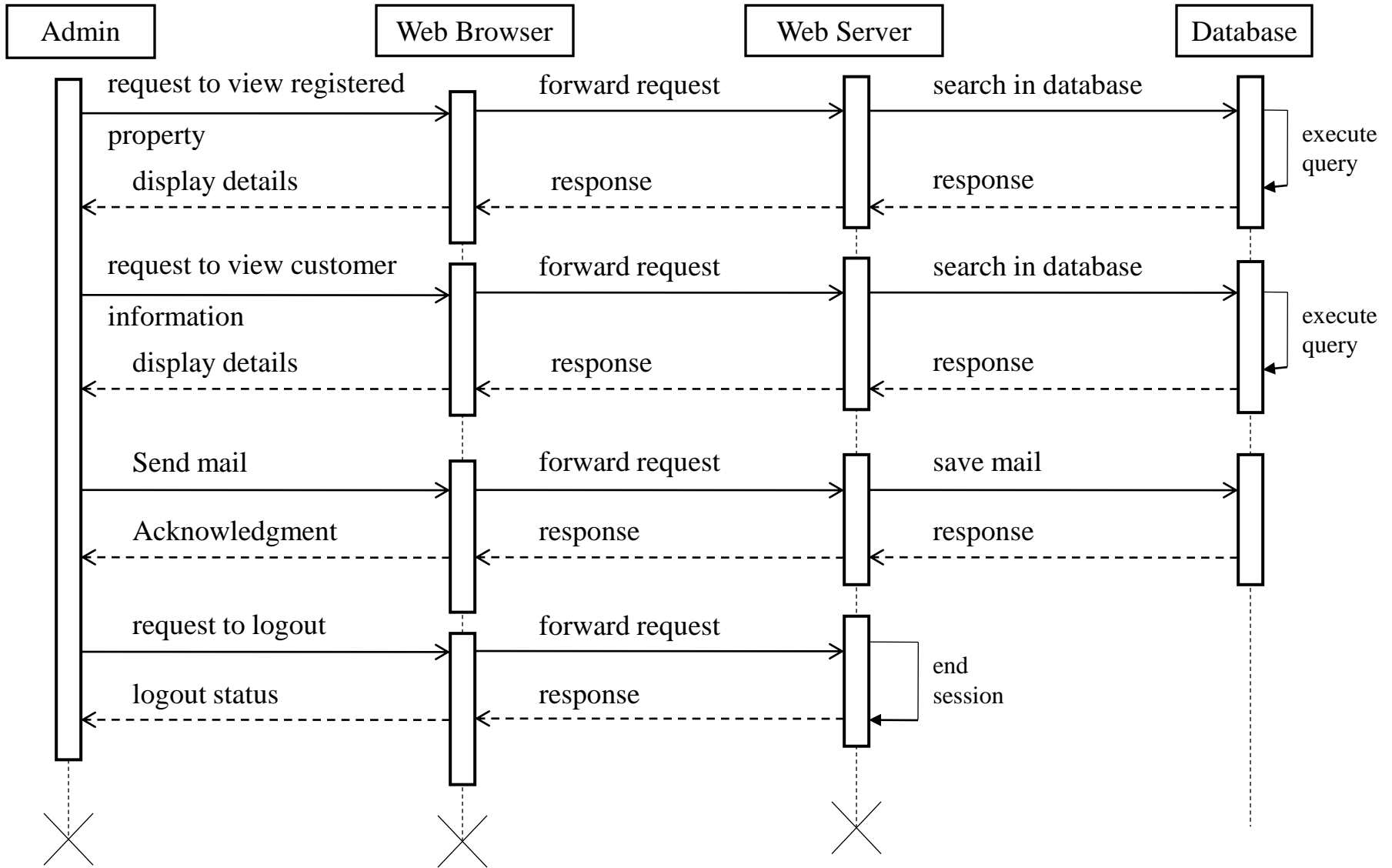
Sequence Diagram For Agent



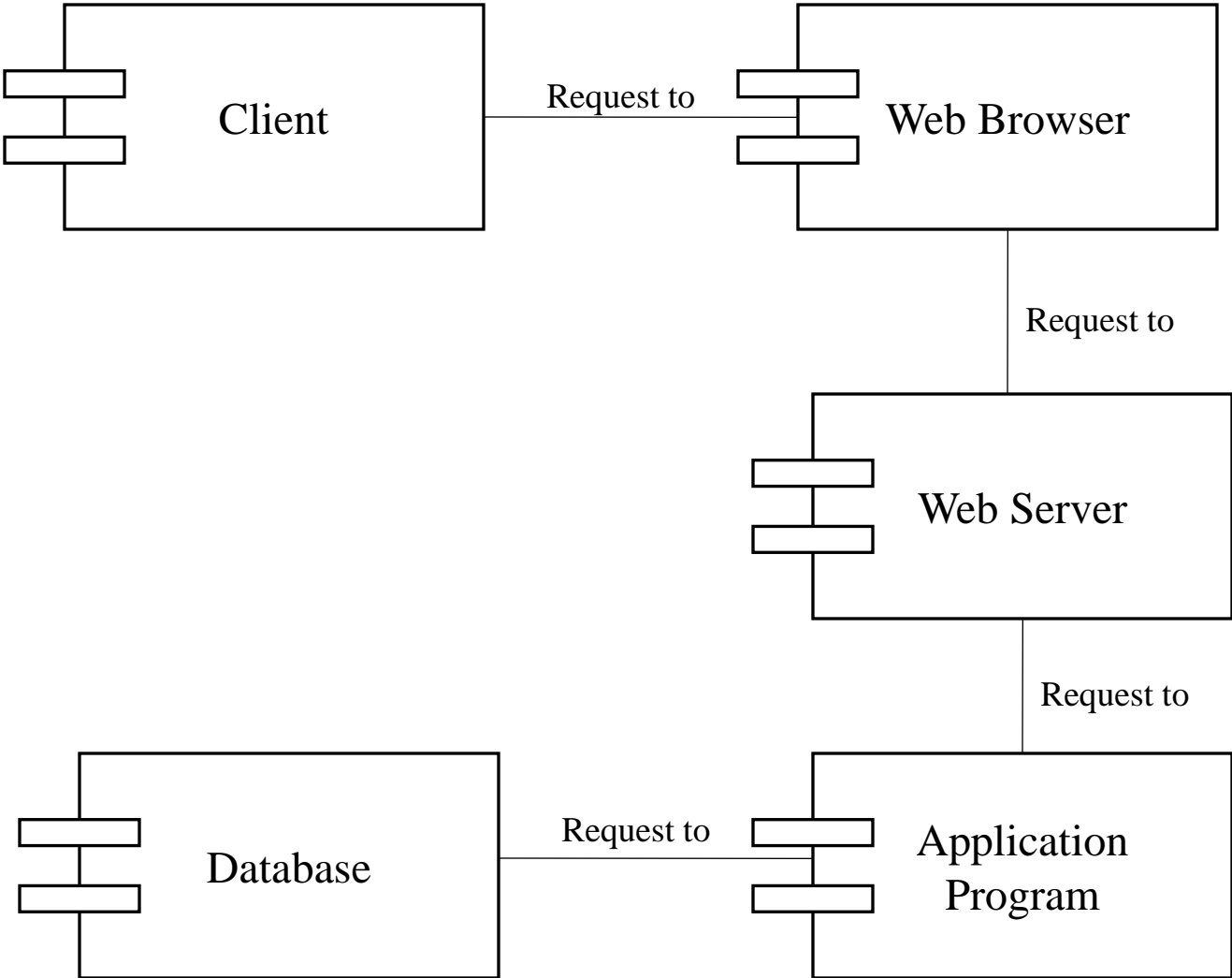
Sequence Diagram For Administrator



Sequence Diagram For Administrator(continue)



Component Diagram:



Deployment Diagram:

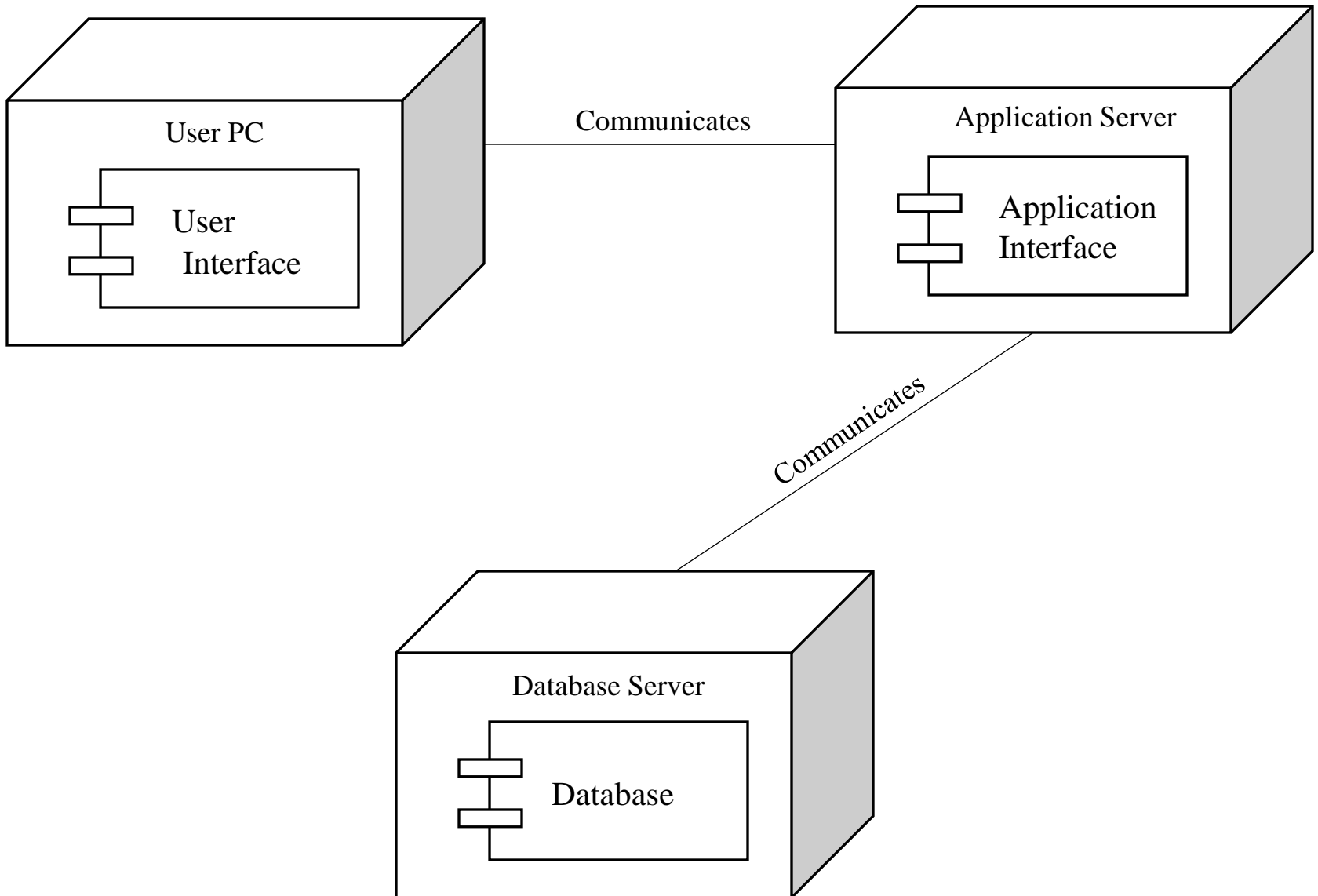


TABLE DESIGN

Table for Login

Field Name	Data Type	Width	Constraints
logintype_id	Integer	2	Primary Key
logintype	Varchar	20	Not Null

Table For State

Field Name	Data Type	Width	Constraints
state_id	Integer	4	Primary Key
state_name	Varchar	45	Not Null

Table For City

Field Name	Data Type	Width	Constraints
city_id	Integer	4	Primary Key
city_name	Varchar	45	Not Null
state_id	Integer	4	Foreign key

Table For Area

Field Name	Data Type	Width	Constraints
area_id	Integer	4	Primary Key
area_name	Varchar	45	Not Null
city_id	Integer	4	Foreign Key
state_id	Integer	4	Foreign Key

Table For Property Category

Field Name	Data Type	Width	Constraints
prcategory_id	Integer	4	Primary Key
prcategory_name	Varchar	45	Not Null

Table For Property Type

Field Name	Data Type	Width	Constraints
prtype_id	Integer	4	Primary Key
prtype_name	Varchar	45	Not Null
prcategory_id	Integer	4	Foreign key

Table for Property Details:

Field Name	Data Type	Width	Constraints
pr_id	Integer	10	Primary Key
owner_id	Integer	4	Foreign Key
agent_id	Integer	4	Foreign Key
cust_id	Integer	4	Foreign Key
pr_date	Datetime	--	Not Null
state_id	Integer	45	Foreign Key
city_id	Integer	45	Foreign Key
area_id	Integer	45	Foreign Key
prcategory_id	Integer	2	Foreign Key
prtype_id	Integer	45	Foreign Key
pr_area	Integer	5	Not Null
rate_per_sqft	Integer	4	Not Null
pr_rate	Integer	10	Not Null
no_bhk	Integer	4	May null
status	Boolean	--	Not Null

Table For Owner Details

Field Name	Data Type	Width	Constraints
owner_id	Integer	4	Primary Key
owner_pr_id	Integer	45	Foreign Key
agent_id	Integer	4	Foreign Key
f_name	Varchar	45	Not Null
l_name	Varchar	45	Not Null
gender	Boolean	--	Not Null
address	Varchar	45	Not Null
mobile_no	Integer	10	Not Null
email_id	Integer	4	Not Null
pay_id	Integer	4	Not Null

Table For Owner-Property Details:

Field Name	Data Type	Width	Constraints
owner_pr_id	Integer	4	Primary Key
owner_id	Integer	4	Foreign Key
pr_id	Integer	4	Foreign Key

Table For Customer Registration:

Field Name	Data Type	Width	Constraints
cust_id	Integer	4	Primary Key
logintype_id	Integer	2	Foreign Key
agent_id	Integer	4	Foreign Key
cust_pr_id	Integer	4	Foreign Key
cr_date	Datetime	--	Not Null
f_name	Varchar	45	Not Null
l_name	Varchar	45	Not Null
sex	Boolean	--	Not Null
address	Varchar	45	Not Null
mobile_no	Integer	10	Not Null
date_of_birth	Datetime	--	Not Null
email_id	Varchar	45	Not Null
user_name	Varchar	20	Not Null
password	Varchar	20	Not Null
con_password	Varchar	20	Not Null
cust_email_id	Varchar	4	Foreign Key

Table For Customer-Property Details:

Field Name	Data Type	Width	Constraints
cust_pr_id	Integer	4	Primary Key
cust_id	Integer	4	Foreign Key
pr_id	Integer	4	Foreign Key

Table For Agent Registration:

Field Name	Data Type	Width	Constraints
agent_id	Integer	4	Primary Key
logintype_id	Integer	2	Foreign Key
agent_owner_id	Integer	4	Foreign key
agent_cust_id	Integer	4	Foreign Key
a_date	Datetime	--	Not Null
f_name	Varchar	45	Not Null
l_name	Varchar	45	Not Null
sex	Boolean	--	Not Null
address	Varchar	45	Not Null
mobile_no	Integer	10	Not Null
email_id	Varchar	45	Not Null
user_name	Varchar	20	Not Null
password	Varchar	20	Not Null
con_password	Varchar	20	Not Null
pay_id	Integer	4	Not Null

Table For Agent-Owner Details:

Field Name	Data Type	Width	Constraints
agent_owner_id	Integer	4	Primary Key
agent_id	Integer	4	Foreign Key
owner_id	Integer	4	Foreign Key

Table For Agent-Customer Details:

Field Name	Data Type	Width	Constraints
agent_owner_id	Integer	4	Primary Key
agent_id	Integer	4	Foreign Key
cust_id	Integer	4	Foreign Key

Table For Customer Email Details

Field Name	Data Type	Width	Constraints
cust_email_id	Integer	4	Primary Key
cust_id	Integer	4	Foreign Key
e_date	Datetime	--	Not Null
tomail	Varchar	45	Not Null
subject	Varchar	45	Not Null
message	Varchar	100	Not Null

Table For Payment Details:

Field Name	Data Type	Width	Constraints
pay_id	Integer	5	Primary Key
owner_id	Integer	4	Foreign Key
agent_id	Integer	4	Foreign Key
pay_mod	Boolean	--	Not Null
amount	Integer	6	Not Null
check_no	Integer	20	Not Null
p_date	Datetime	--	Not Null