Project Abstract

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S10, Integrated MCA

Roll No:19

Topic: Apartment Management System

Project Nature: - Mini Project Extension

Apartment management programs are designed to provide utility to the daily operations of apartment and this software enable to keep records of the daily transactions in an electronocial manner which saves a lot of energy, time and money. This software helps to main the track records of sales, purchases, receipts, advances made, maintenances ,complaints and other related issues. The main objective of this application is to help the construction industry users to manage the operations and activities of apartments. It will record the date of purchase, the amount paid .Includes all the information regarding floors, units, owners, employees and renters.The existing system includes profile of each user, renter add complaints and pay rent.Admin view the complaints.

Proposed system includes existing functionalities plus admin assign work to employees after viewing the complaints and view the rent statement.Add maintainences cost,apartment funds and bills , send notifications to users for any notices ,meetings and also checks visitors came to apartment.

USERS INCLUDES:

- Admin
- Owner
- Employee
- Renter

ADMIN

The admin takes care all the users.

- Admin adds, view delete and block employee, owner
- checks and add floor information, unit information
- maintains rent collection
- add maintenance cost
- add fund and bill list
- send notifications regarding any notices
- view complaints
- assign work to employees based on complaints
- view visitors
- send notifications regarding any meetings

OWNER

- Logs into the system
- Add, update and view profile
- Add ,delete and block renter
- view unit and renter details
- view rent statement
- Add complaints
- View notifications regarding any notices
- Add visitors
- View notifications regarding any meetings

RENTER

- Logs into the system
- Add ,view and update profile
- View owner
- Pay rent
- view rent statement
- add complaints
- view notifications regarding any notices
- add visitors
- view notifications regarding any meetings

EMPLOYEE

- Logs into the system
- Add, update and view profile
- Do assigned complaint job

TABLE DESIGN

Table No 1 : tbl_regr

Primary Key : regr_id

Foreign Key: log_id

Serial no:	Field name	Datatype	Description
1	regr_id	Int	Registration id
2	log_id	Int	Login id
3	name	varchar	Username
4	email	varchar	Email id
5	dob	varchar	Date of birth
6	gender	varchar	Gender
7	phn_num	varchar	Mobile number
8	usertype	varchar	User type

Table No 2 : tbl_login

Primary Key : log_id

Serial no:	Field name	Datatype	Description
1	log_id	Int	Login id
2	uname	varchar	Username
3	pwd	varchar	Password
4	usertype	varchar	User type

Table No 3 : tbl_owner

Primary Key : own_id

Serial no:	Field name	Datatype	Description
1	own_id	Int	Owner id
2	renter_id	Int	Renter id
3	name	varchar	Username
4	email	varchar	Email id
5	contact	varchar	Mobile Number
6	address	varchar	Address
7	rooms	varchar	Owner rooms
8	photo	varchar	Photo of the person

Table No 4 : tbl_re nter

Pri mary Key : rente r_id

Serial no:	Field name	Datatype	Description
1	renter_id	Int	Renter id
2	own_id	Int	Owner id
2	name	varchar	Username
3	email	varchar	Email id
4	contact	varchar	Mobile Number
5	room	varchar	Room number
6	amount	varchar	Rent amount
7	photo	varchar	Photo of the person

Table No 5 : tbl_employee

Primary Key : employee_id

Serial no:	Field name	Datatype	Description
1	employee_id	Int	Employee id
2	name	varchar	Username
3	email	varchar	Email id
4	contact	varchar	Mobile Number
5	designation	varchar	Designation

Table No 6: tbl_maintain

Primary Key : maintain _id

Serial no:	Field name	Datatype	Description
1	Maintain_id	Int	Maintain id
2	amount	varchar	Amount
3	month	varchar	Month
4	year	varchar	Year

Table No 7 : tbl_rent

Pri mary Key : rent_ id

Serial no:	Field name	Datatype	Description
1	rent_id	Int	Rent id
2	renter_id	Int	Renter id
3	own_id	Int	Owner id
4	name	varchar	Username
5	room_no	varchar	Room number
6	date	date	Rent date
7	bill_status	varchar	Bill Status
8	total_rent	varchar	Total rent(if any due)

Table No 8: tbl_complain

Pri mary Key : complain_id

Serial no:	Field name	Datatype	Description
1	complain_id	Int	Complain id
2	renter_id	Int	Renter id
3	own_id	Int	Owner id
4	complain_desc	varchar	Complain Description
5	date	varchar	Complain date
6	status	varchar	Complain status

Table No 9: tbl_visitor

Primary Key: visitor_id

Serial no:	Field name	Datatype	Description
1	visitor_id	Int	Complain id

2	renter_id	Int	Renter id
3	own_id	Int	Owner id
4	entry_date	varchar	Entering date
5	name	varchar	Name of visitor
6	address	varchar	Address
7	intime	varchar	Arrival time
8	outtime	varchar	Departure time

Table No 10 : tbl_members

Primary key: member_id

Serial no:	Field name	Datatype	Description
1	Member_id	int	Member id
2	Renter_id	int	Renter_id
3	name	varchar	Members name
4	dob	varchar	Date of birth
5	gender	varchar	Gender
6	phn	varchar	Mobile number

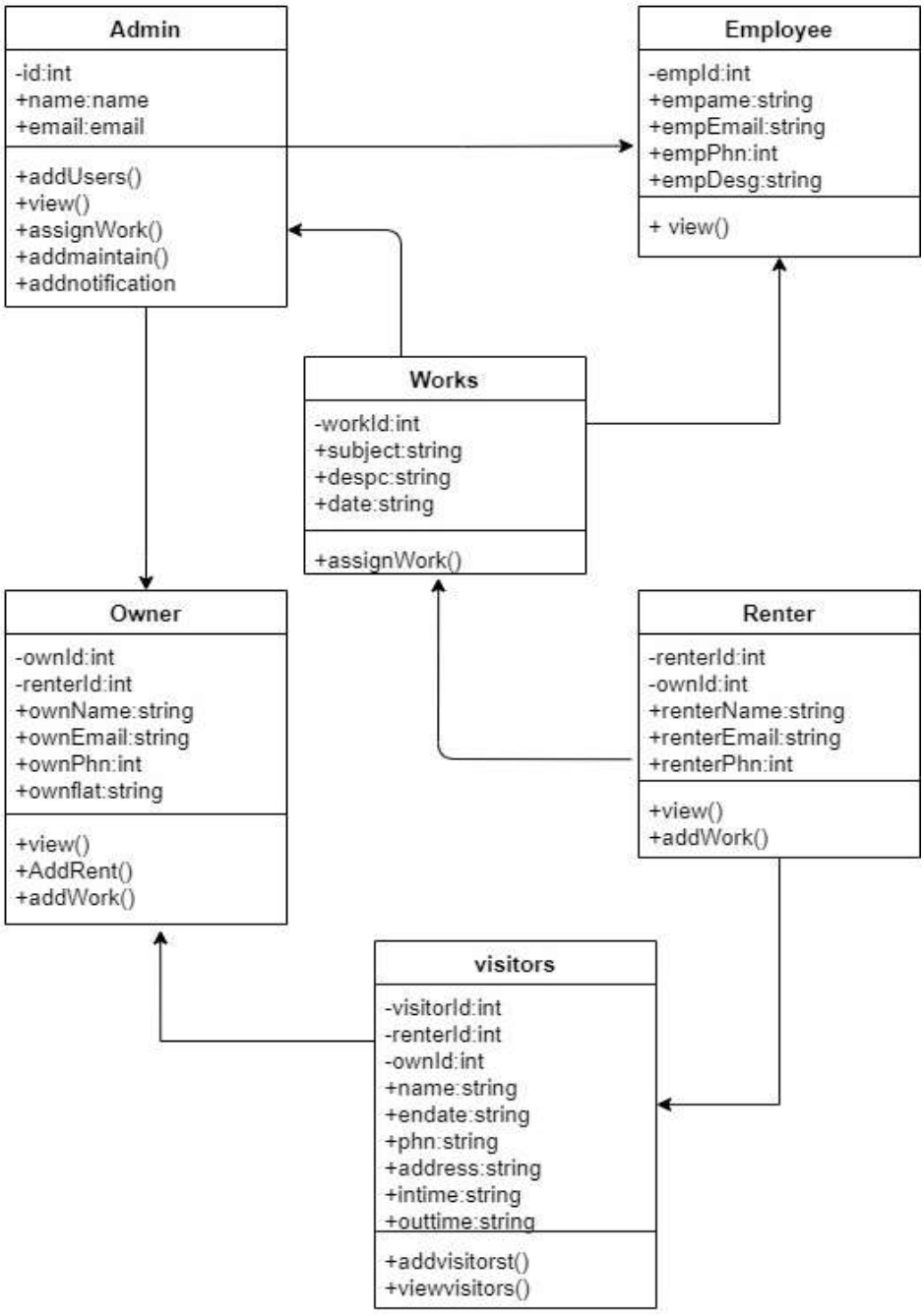
Table no 11: tbl_notificaton

Primary key:notify_id

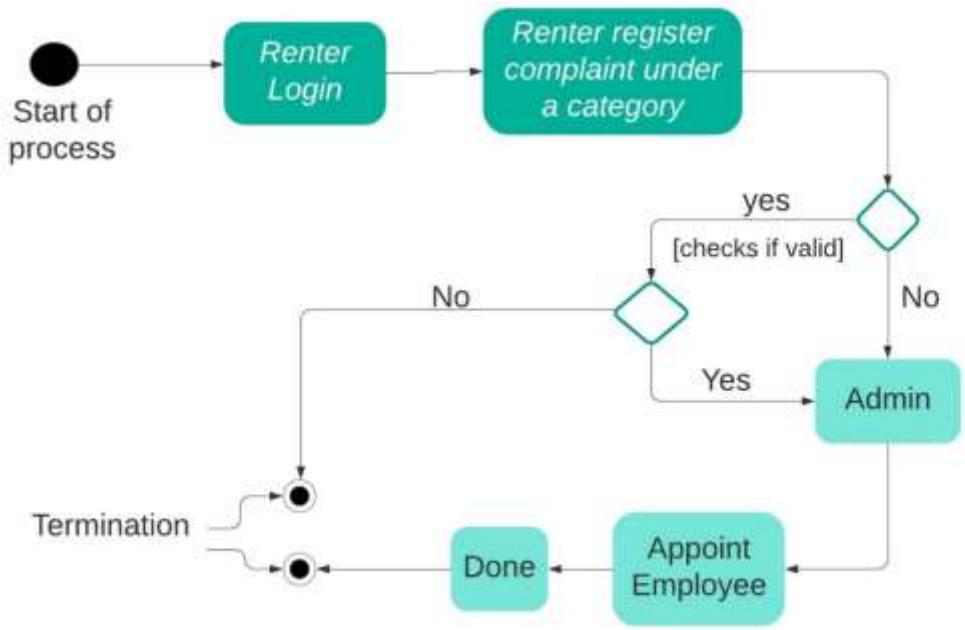
Serial no:	Field name	Datatype	Description
1	Notify_id	int	Notification id
2	subject	varchar	Subject
3	notifications	varchar	Notifications

UML DIAGRAM

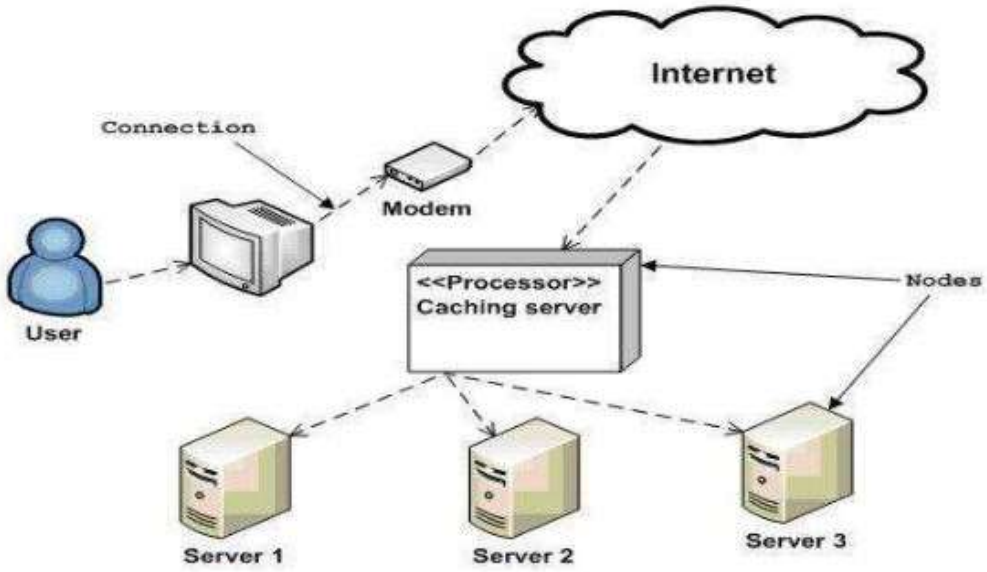
Class Diagram



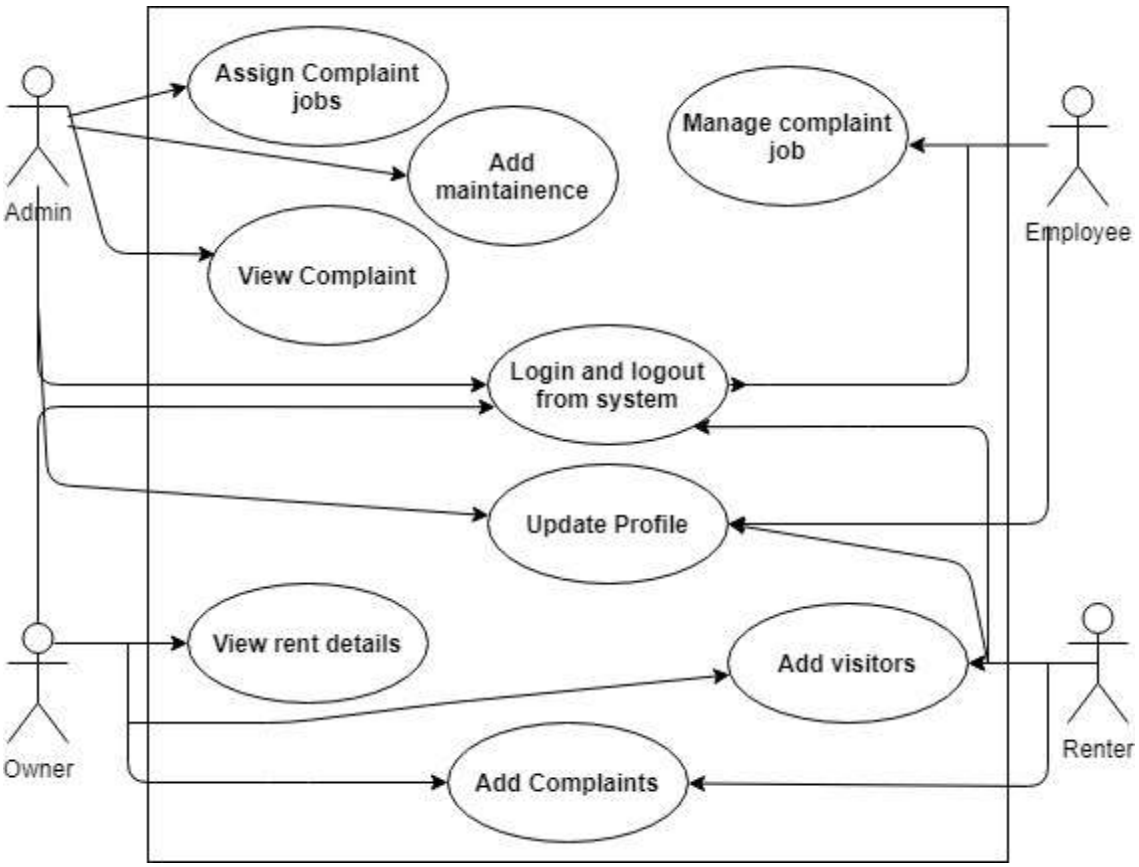
Activity Diagram



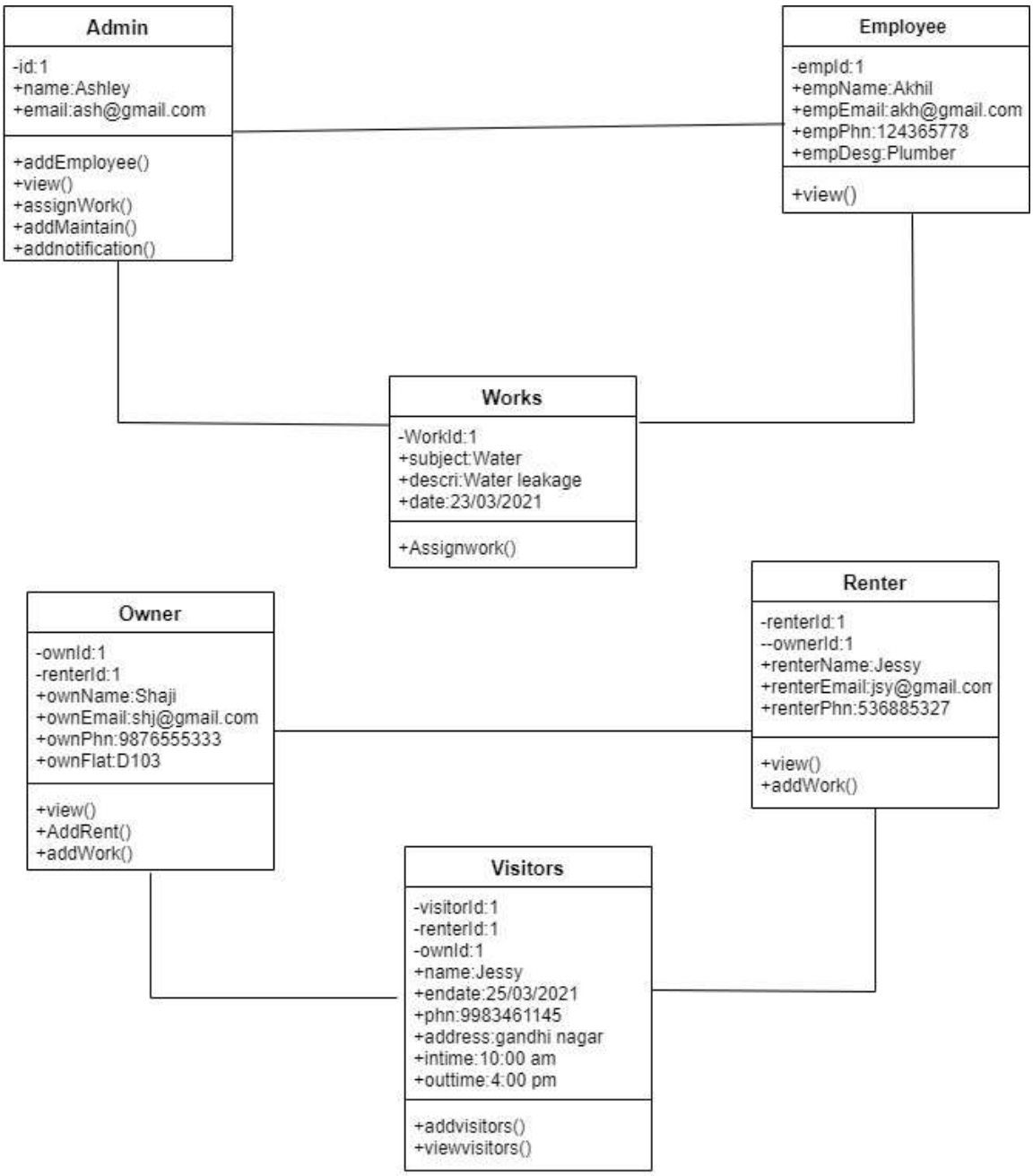
Deployment Diagram



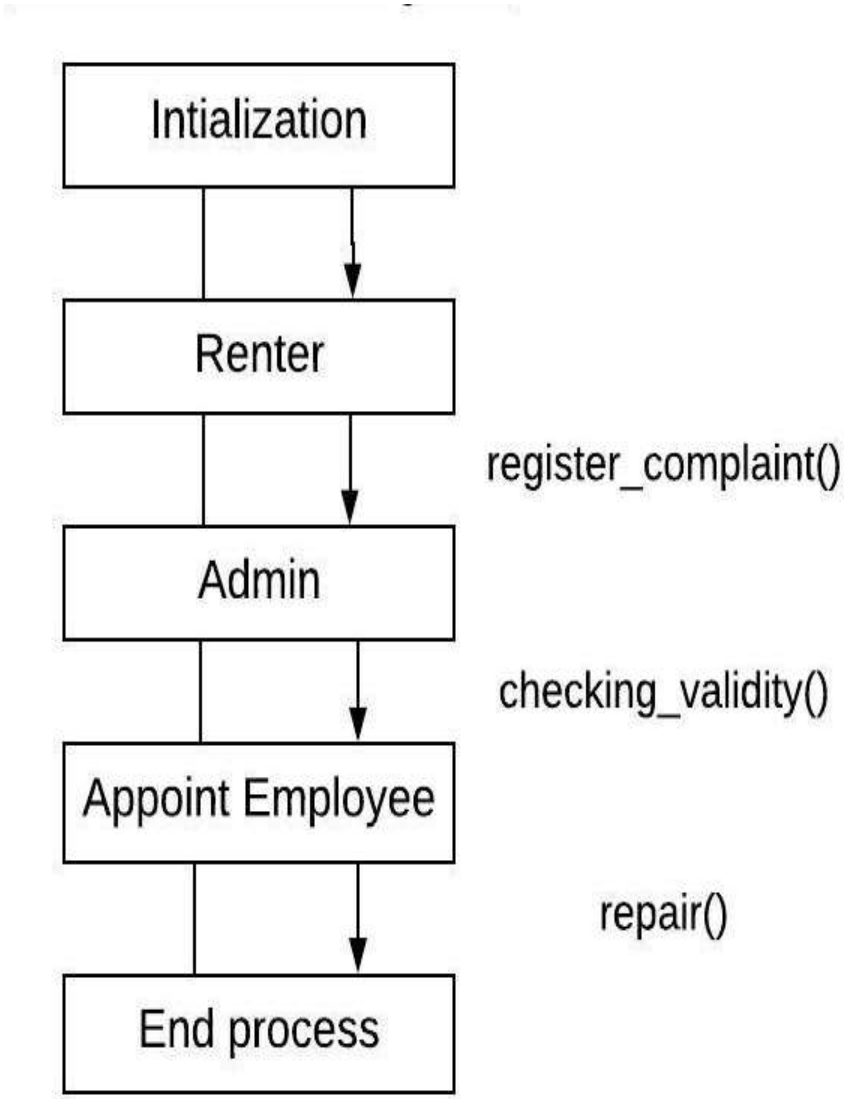
Use Case Diagram



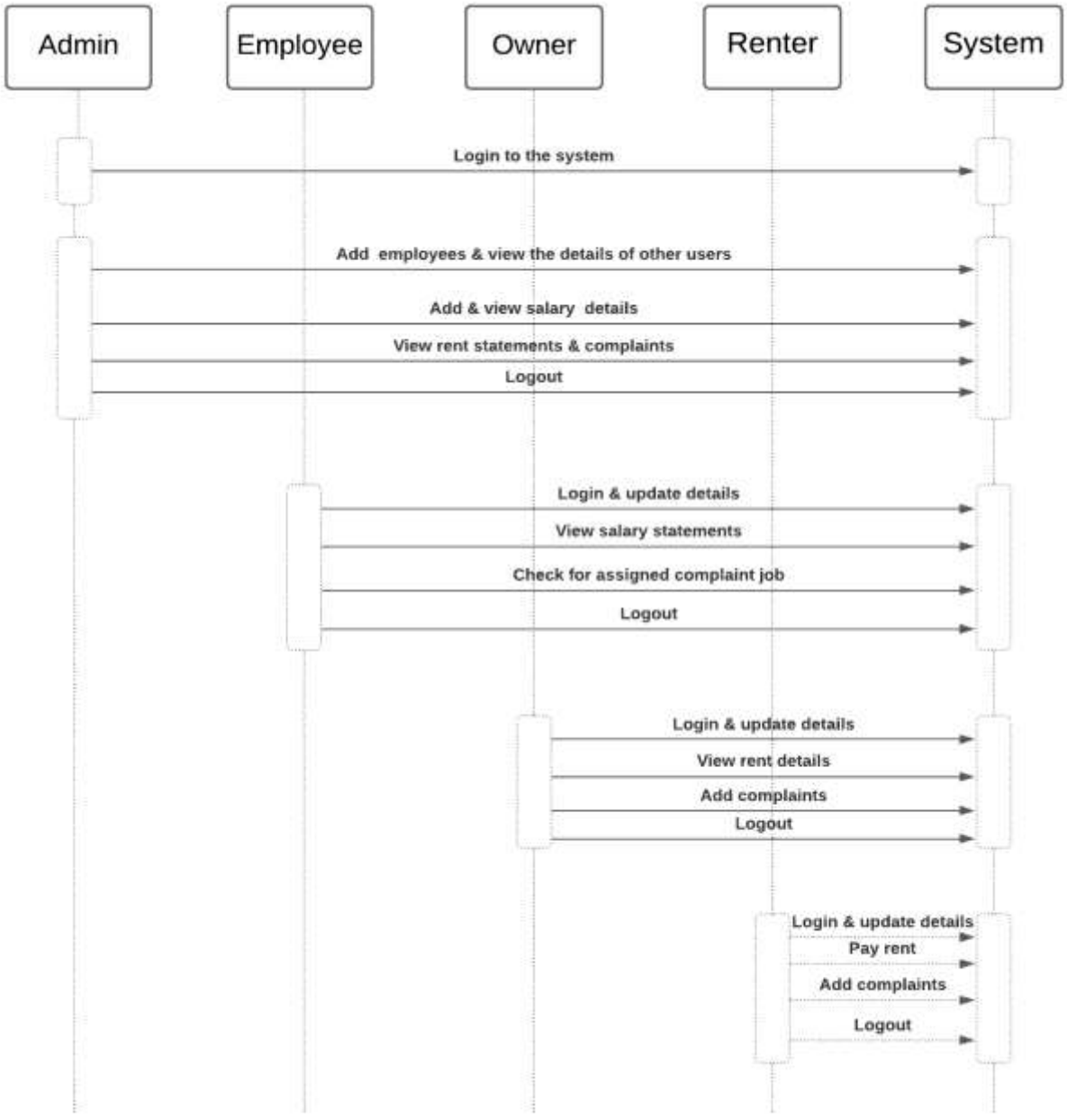
Object Diagram



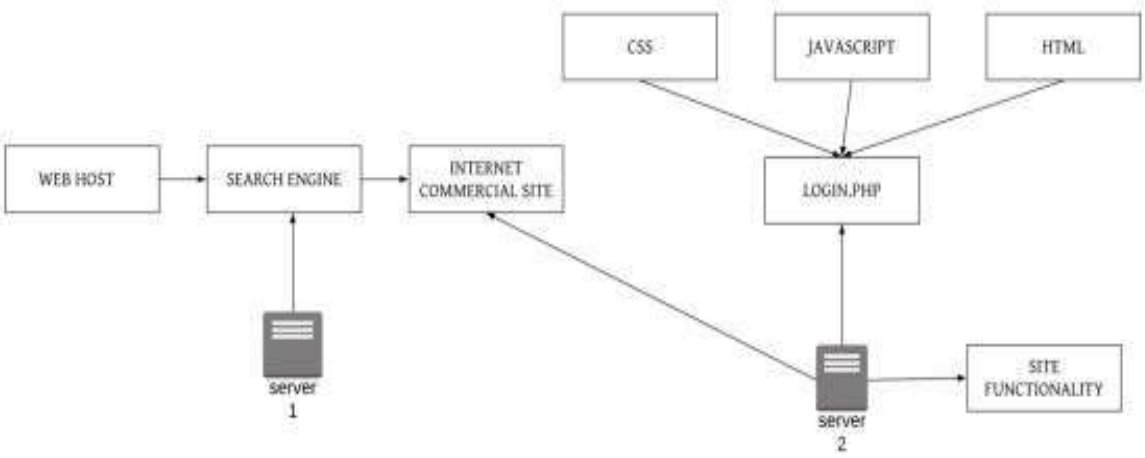
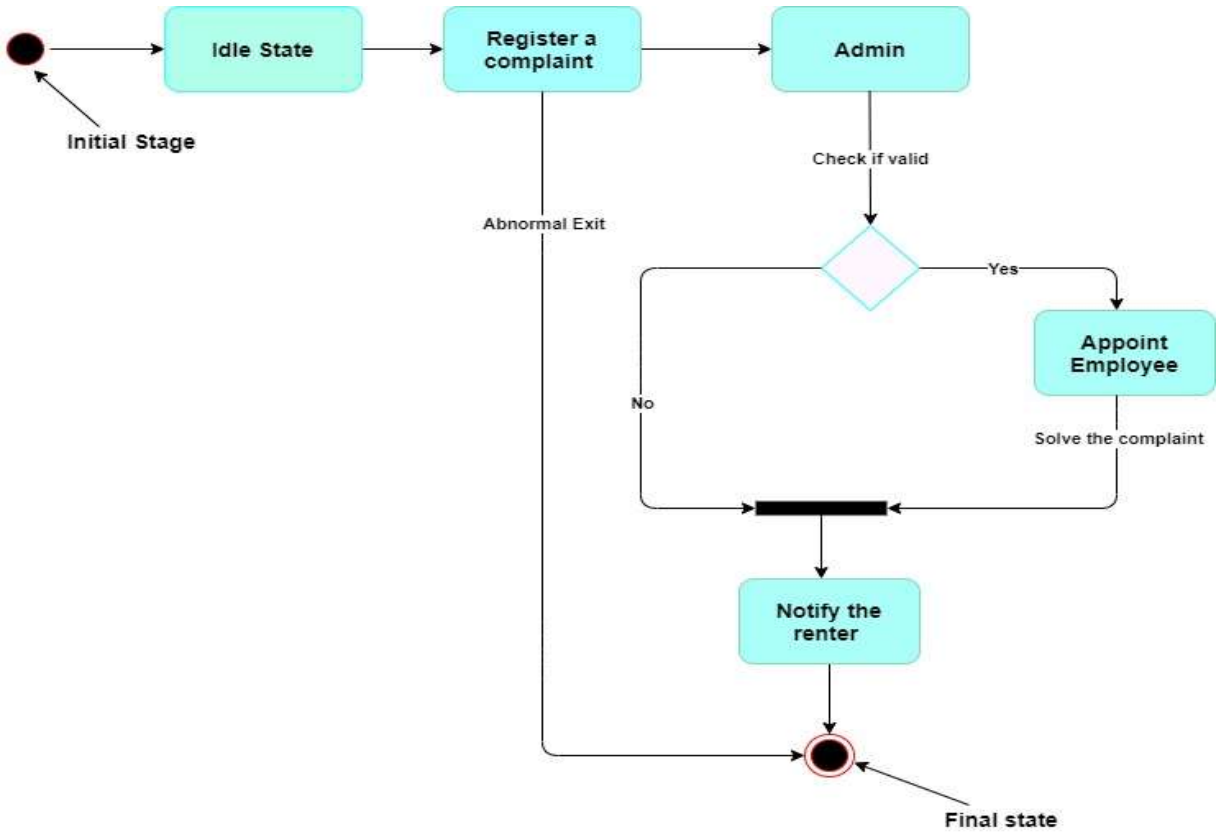
Collaboration Diagram



Sequence Diagram



Component Diagram



State Chart Diagram