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

PROJECT ON

“Rent House”

Group : 9

Muhammad Hudya Ramadhana

Mutia Ayu Dianita

Faculty : Bayu Citra Nur Aulia S.T, M.TI

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	: September 30, 2016
End Date	: October 20, 2016
Name Of The Coordinator	: Bayu Citra Nur Aulia S.T,M.TI
Name Of Developer	: Muhammad Hudya Ramadhana Mutia Ayu Dianita
Date Of Submission	: October 21, 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:
Bayu Citra Nur Aulia S.T,M.TI

ACKNOWLEDGEMENT

We have benefited a lot from the feedback and suggestions given to us by Mrs. Bayu Citra Nur Aulia S.T, M.TI 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 Bayu Citra Nur Aulia S.T, M.TI 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.

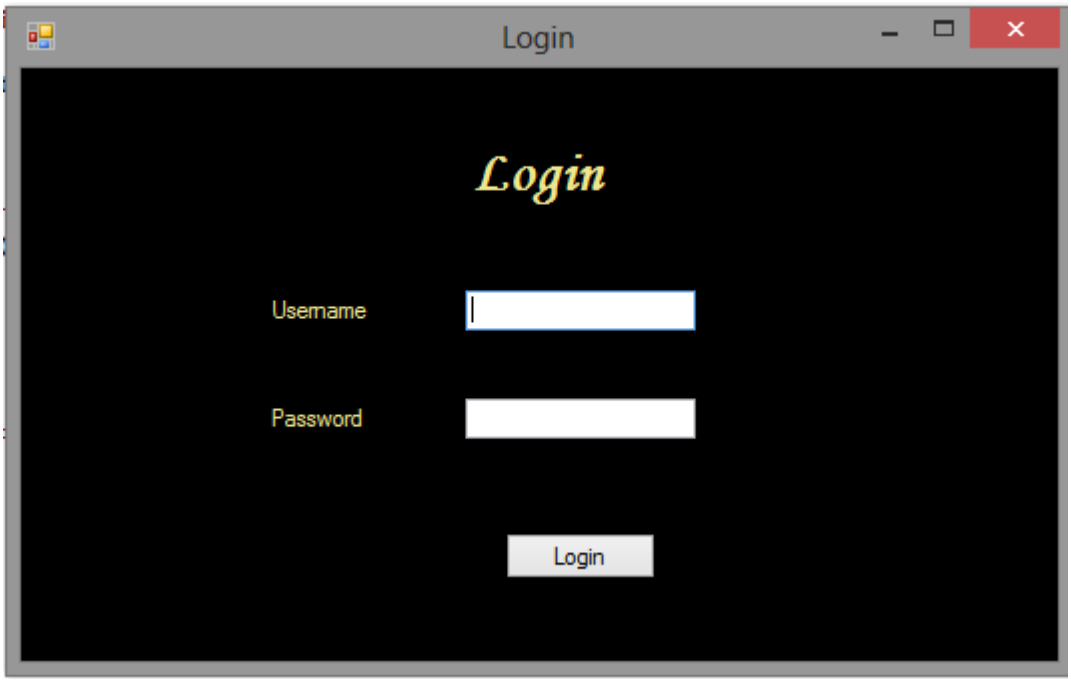
SYSTEM ANALYSIS

System Summary:

Rent House Application is an application that allows admin to add customer, room, laundry, rent, and monthly paid data to rent house's database. This application also displays the data and admin can update and delete the data. And admin can see the report of monthly paid of customer

RENT HOUSE INTERFACE

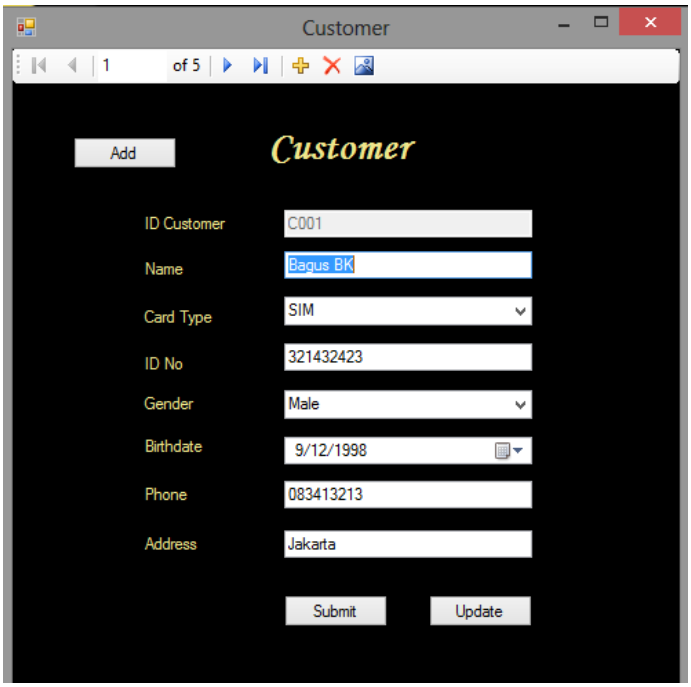
Login Form



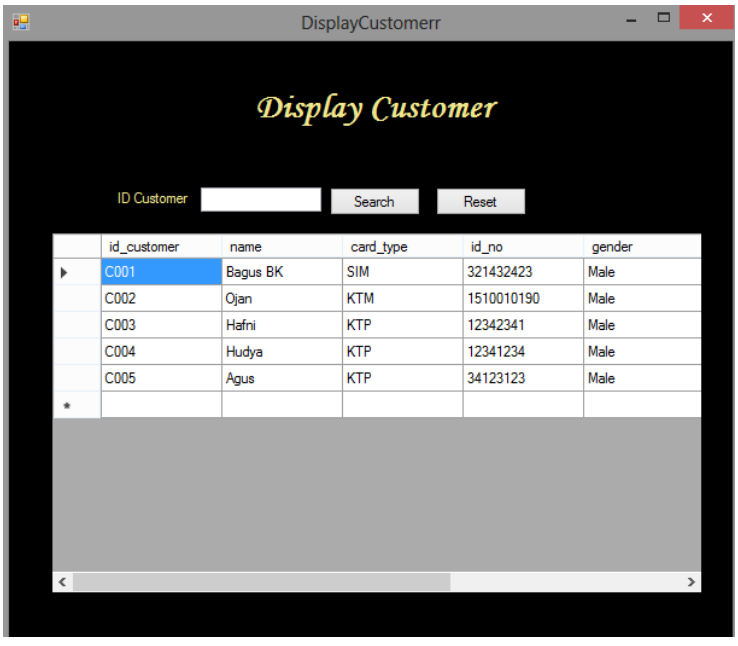
Home Form

RENT HOUSE INTERFACE

Add Customer

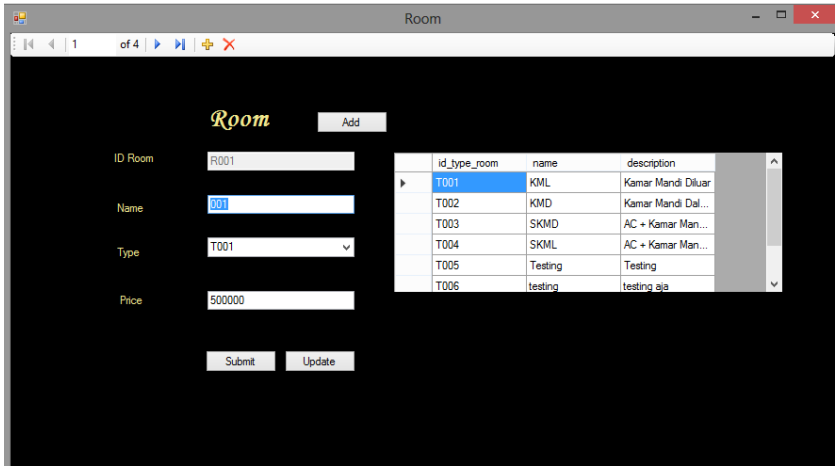


Display Customer

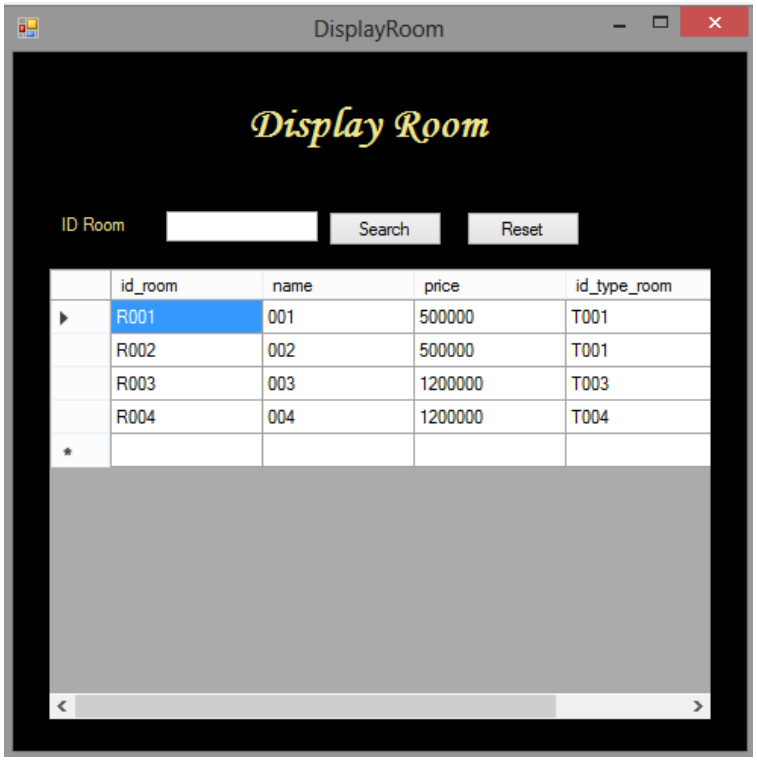


RENT HOUSE INTERFACE

Add Room

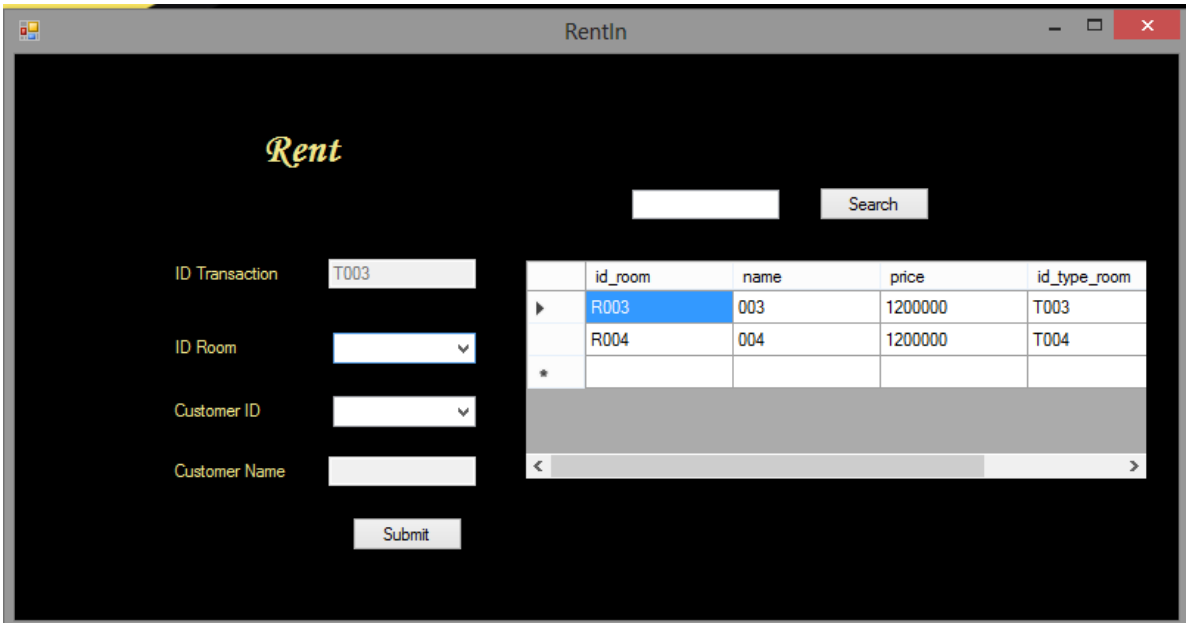


Display Room Form

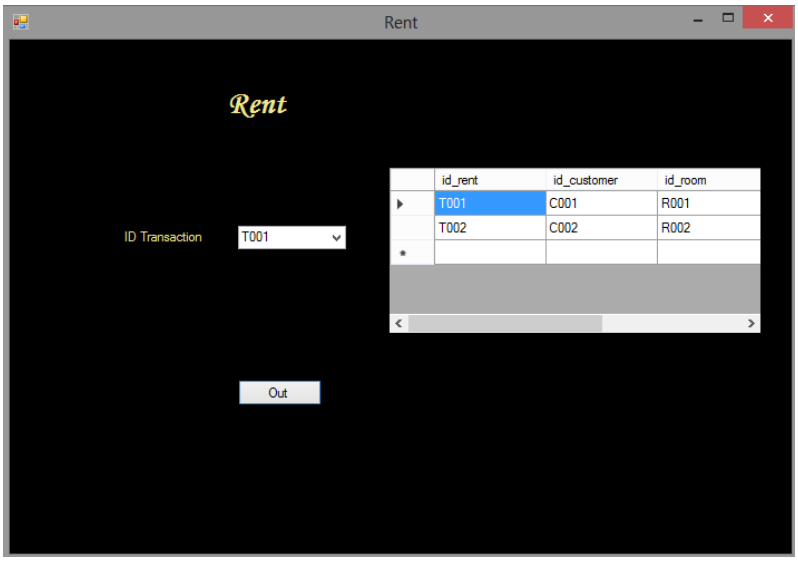


RENT HOUSE INTERFACE

Rent In Form

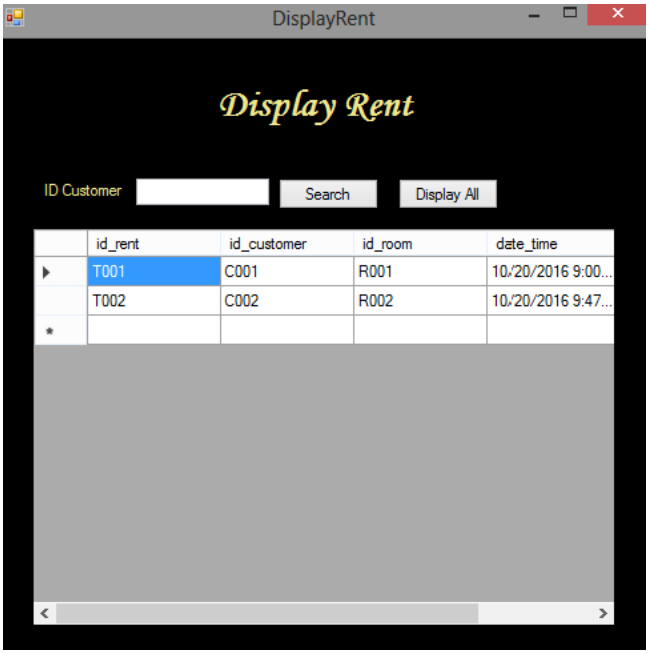


Rent Out Form

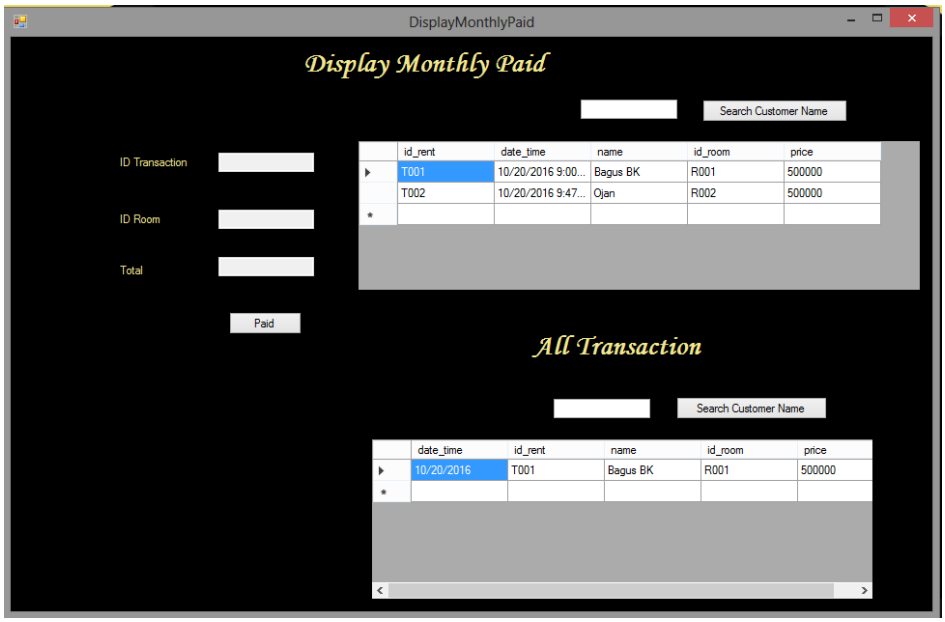


RENT HOUSE INTERFACE

Display Rent Form

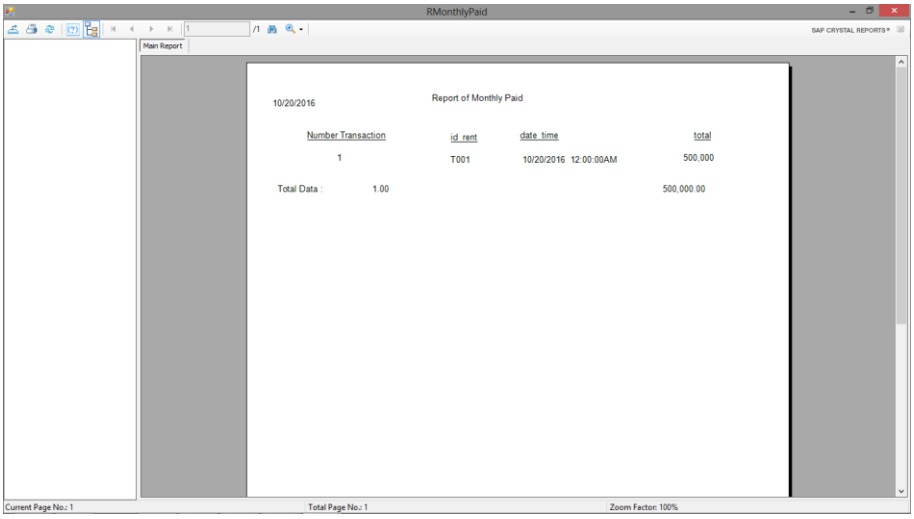


Display Monthly Paid



RENT HOUSE INTERFACE

Report Form



CONFIGURATION

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: **SQL Server 2008**

Visual Studio 2010

INDIVIDUAL PROJECT SCHEDULE

S. No	Activity Description	Planned Date of Completion	Actual Date	Responsibility	Remarks
1	Creating the windows logon form	14th Oct 2016	14th Oct 2016	Hudya	
2	Creating the main menu windows form	16th Oct 2016	16th Oct 2016	Mutia	
3	Creating customer windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
4	Creating display customer windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
5	Creating room windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
6	Creating display room windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
7	Creating type room windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
8	Creating rent windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
9	Creating rent in windows form	16th Oct 2016	16th Oct 2016	Hudya	
10	Creating display rent windows form	16th Oct 2016	16th Oct 2016	Hudya/ Mutia	
11	Creating display monthly paid	17th Oct 2016	17th Oct 2016	Hudya/ Mutia	
12	Creating connection with SQL Server	17th Oct 2016	17th Oct 2016	Hudya	
13	Creating reports	19th Oct 2016	19th Oct 2016	Mutia	
14	Creating documentation	20th Oct 2016	20th Oct 2016	Mutia	

DATABASE DESIGN

Database Name: rent_house

Number of tables: 6

Table Names:

1. Admin
2. Customer
3. Room
4. Type Room
5. Rent
6. Monthly Paid

TABLE DESIGN

Database Name: rent_house

Admin:

Field Name	Data Type	Width	Description
id_admin	varchar	4	Admin ID
username	varchar	50	Username of the Admin
password	varchar	50	Password of the Admin
name	varchar	50	Name of the Admin
gender	varchar	10	Gender of the Admin
Roles	varchar	50	Role of the Admin

Customer:

Field Name	Data Type	Width	Description
id_customer	varchar	4	Customer ID
name	varchar	100	Name of the Customer
card_type	varchar	10	Type Card of ID of the Customer
id_no	varchar	25	Number of ID card of the Customer
gender	varchar	10	Gender of the Customer
birthdate	date		Birthdate of the Customer
phone	varchar	13	Phone number of the Customer
address	text		Address of the customer

Monthly Paid:

Field Name	Data Type	Width	Description
id_monthly_paid	Int		Monthly Paid ID
id_rent	varchar	4	Rent ID
date_time	Datetime		Date and Time of Monthly Paid
total	int		Total of Monthly Paid

Rent:

Field Name	Data Type	Width	Description
id_rent	varchar	4	Rent ID
id_customer	varchar	4	Customer ID
id_room	varchar	4	Room ID
date_time	datetime		Current Date of Rent
date_out	datetime		Date Out of Rent

Room:

Field Name	Data Type	Width	Description
id_room	varchar	4	Room ID
name	varchar	50	Name of the Room
price	int		Price of the Room
id_type_room	varchar	4	Type Room ID
status	varchar	20	Status of the Room

Type Room:

Field Name	Data Type	Width	Description
id_type_room	varchar	4	Type Room ID
name	varchar	50	Name of Type Room
description	text		Description of the Type Room

VALIDATION PERFORMED

Admin:

Validation Required	Method Used For Validation
Id must be unique	Primary key constraint

Customer:

Validation Required	Method Used For Validation
Id must be unique	Primary key constraint
birthdate	Age must be above 17

Monthly Paid:

Validation Required	Method Used For Validation
Id must be unique	Primary key constraint
id_rent	Foreign key from rent table

Rent:

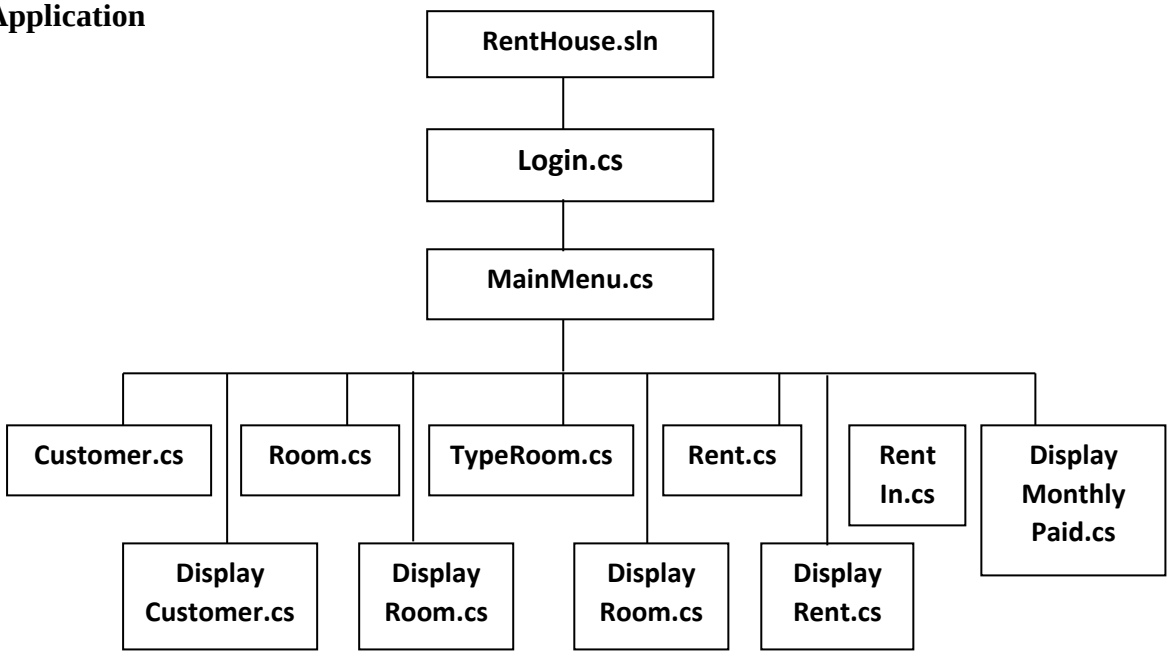
Validation Required	Method Used For Validation
Id must be unique	Primary key constraint
id_customer	Foreign key from customer table
id_room	Foreign key from room table

Room:

Validation Required	Method Used For Validation
Id must be unique	Primary key constraint
id_type_room	Foreign key from type_room table

Type Room:

Validation Required	Method Used For Validation
Id must be unique	Primary key constraint

LOGICAL FLOW DIAGRAM

Logical Flow Diagram representing the control flow of Rent House Management Application