A PROJECT REPORT ON

HOTEL MANAGEMENT SYSTEM'

COMPUTER CENTER OF

NANDA NATH SAIKIA COLLEGE

TITABAR: 785630

JORHAT,ASSAM

SUBMITTED BY:-	***ROLL NO***
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UNDER THE GUIDANCE OF

Nilottam Poddar

Pranjal Borah

Computer Center, Nanda Nath Saikia College

DECLARATION

We , Abhilash Saikia, Ankur Buragohain & Gautam Saikia hereby declare that the project work entitled "HOTEL MANAGEMENT SYSTEM" is an authentic work carried out by us for the partial fulfillment of 2nd semester PGDCA Course of Dibrugarh University.This report has not been submitted anywhere else for the award of any degree or diploma.

ABHILASH SAIKIA

ANKUR BURAGOHAIN

GAUTAM SAIKIA

PGDCA 2nd Semester

Nanda Nath Saikia College

CERTIFICATE OF EXAMINATION

This is to certify that the project work "HOTEL MANAGEMENT SYSTEM" submitted by ABHILASH SAIKIA ANKUR BURAGOHAIN & GAUTAM SAIKIA of this college 2nd Semester of **PGDCA** course is a bonafide project work carried out their under my supervision .

We wish their all success in future.

Thanks,

HOD
Deptt. of Computer Science
N.N. Saikia College

MR. NILOTTAM PODDAR

HEAD.COMPUTER CENTER

NANDA NATH SAIKIA COLLEGE

CERTIFICATE OF EXAMINATION

This is to certify that**ABHILASH SAIKIA, ANKUR BURAGOHAIN & GAUTAM SAIKIA** 2nd Semester student of PGDCA discipline of **Nanda Nath saikia College, Titabor** have successfully submitted their project on"HOTEL MANAGEMENT SYSTEM" that was completed under the guidance of Mr. Nilottam Poddar and Mr. Pranjal Borah. The project on , 2nd Semester PGDCA on her project was held on.....and found satisfactory.

.....
Signature of External

PBorah
.....
Signature of Internal

ACKNOWLEDGEMENT

We sincerely take the opportunity to express my heartfelt thanks and gratitude to all those who extended their wholehearted co-operations, opinions and gracious hospitality to me in completing the project work successfully.

We would like to acknowledge my gratitude towards my teachers at **Nanda Nath Saikia college** under the egis of **Dibrugarh University** ,for their understanding provision of sound counsel and precious guidance. Finally ,We wish to thank my friends for their support.

ABHILASH SAIKIA

ANKUR BURAGOHAIN

GAUTAM SAIKIA

PGDCA 2nd Semester

Contents:-

INTRODUCTION

1.1 TITLE OF THE PROJECT:

The project is entitled "**HOTEL MANAGEMENT SYSTEM**"

1.2 PROJECT DEFINITION:

The Hotel Management System is to keep track of hotel guests. Has facilities for billing as well as managing information regarding available rooms and past and future records of the hotel guests.

1.3 OBJECTIVES:

Some of the basic objectives are as follows

- Keep records of the Guests.
- Keep records of booking rooms.
- Keep records of room facilities.
- Keeps room rates.
- Preparing bills and posting guest transaction.
- This system helps in calculating the total bill for a transaction and print the bill for the user.

1.3 TOOLS USED IN PROJECT

Operating System used –Windows 7

IDE Used	-Microsoft Visual Basic 2008 express edition
SERVER Used	- Wamp server
Database used	-phpMyAdmin

ABOUT VB:

Visual basic is a third-generation event-driven programming language and integrated development environment (IDE) from Microsoft for its component object model (COM) programming model first released in 1991 and declared legacy during 2008. Microsoft intended visual basic to be relatively easy to learn and use. Visual basic was derived from BASIC, a user friendly programming designed for beginners, and it enables the rapid application development (RAD) of graphical user interface (GUI) applications, access to database using data access objects, remote data objects or active X data objects, and creation of active controls and objects.

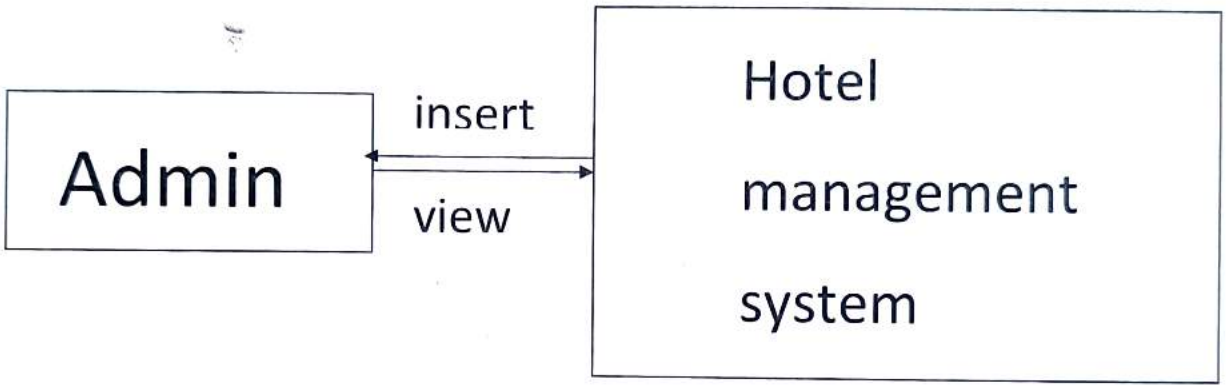
3.2 DFD (DATA FLOW DIAGRAM):

A Data Flow Diagram (DFD) is traditional visual representation of the information flows within a system. A neat and clear DFD can depict a good amount of the system requirements graphically. It can be manual, automated, or combination of both.

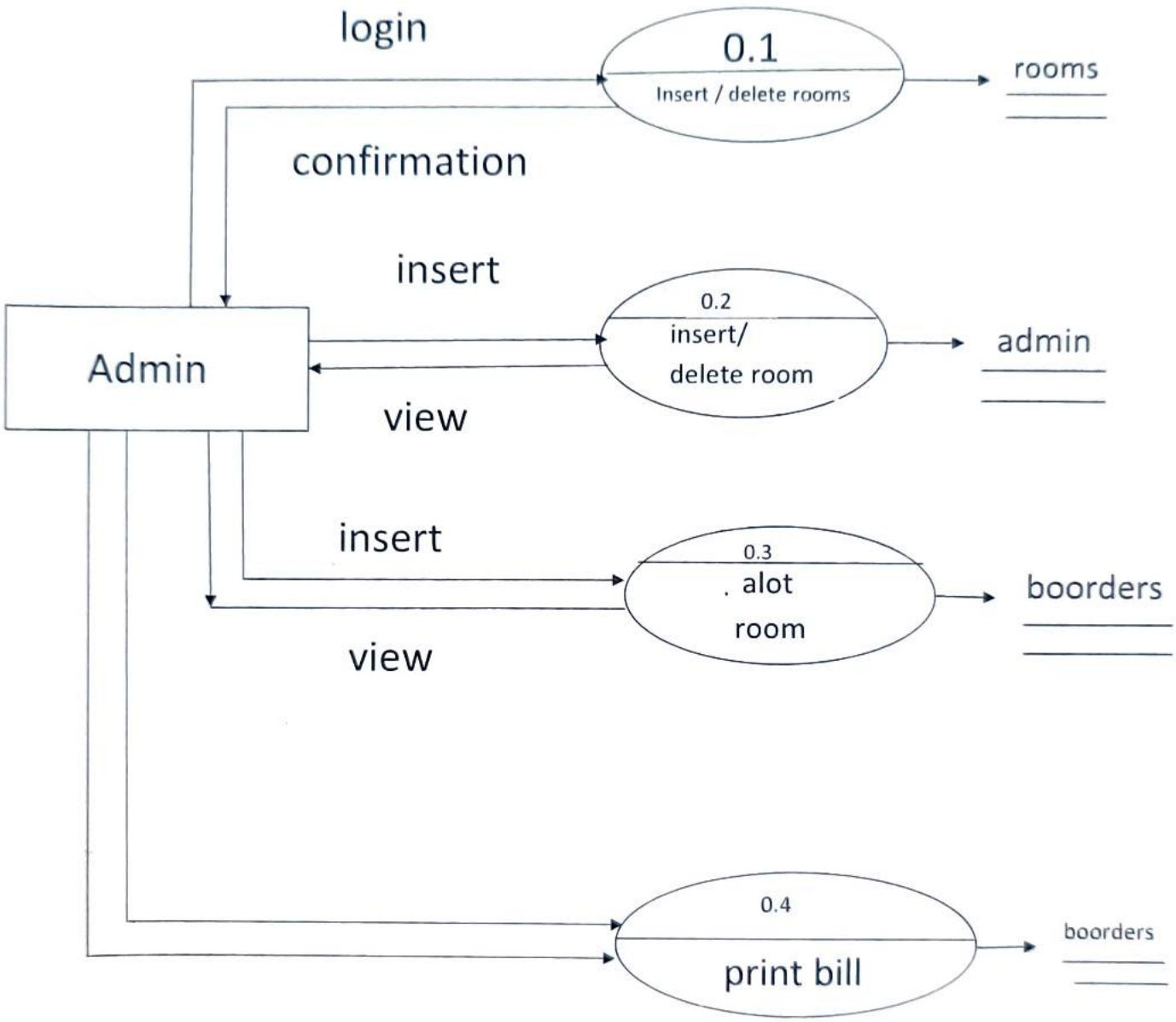
It shows how information enters and leaves the system, what changes the information and where information is stored. The purpose of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communications tool between a systems analyst and any person who plays a part in the system that acts as the starting point for redesigning a system.

It is usually beginning with a context diagram as the level 0 of DFD diagram, a simple representation of the whole system. To elaborate further from that, we drill down to a level 1 diagram with lower level functions decomposed from the major functions of the system. This could continue to evolve to become a level 2 diagram when further analysis is required. Progression to level 3, 4 and so on is possible but anything beyond level 3 is not very common. Please bear in mind that the level of details for decomposing particular function really depending on the complexity that function.

Level 0 or context level DFD



Level 1 DFD for Admin



DATA DICTIONARY:-

Server: localhost ▸ Database: hms ▸ Table: admin

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Empty | Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
username	varchar(10)	latin1_swedish_ci		No	None		
password	varchar(10)	latin1_swedish_ci		No	None		

Check All / Uncheck All *With selected:*

Server: localhost ▸ Database: hms ▸ Table: rooms

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Empty | Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
Room_No	varchar(5)	latin1_swedish_ci		No	None		
Room_Type	varchar(10)	latin1_swedish_ci		No	None		
Facilities	varchar(10)	latin1_swedish_ci		No	None		
Rent	int(6)			No	None		
Availibility	varchar(20)	latin1_swedish_ci		No	None		

Check All / Uncheck All *With selected:*

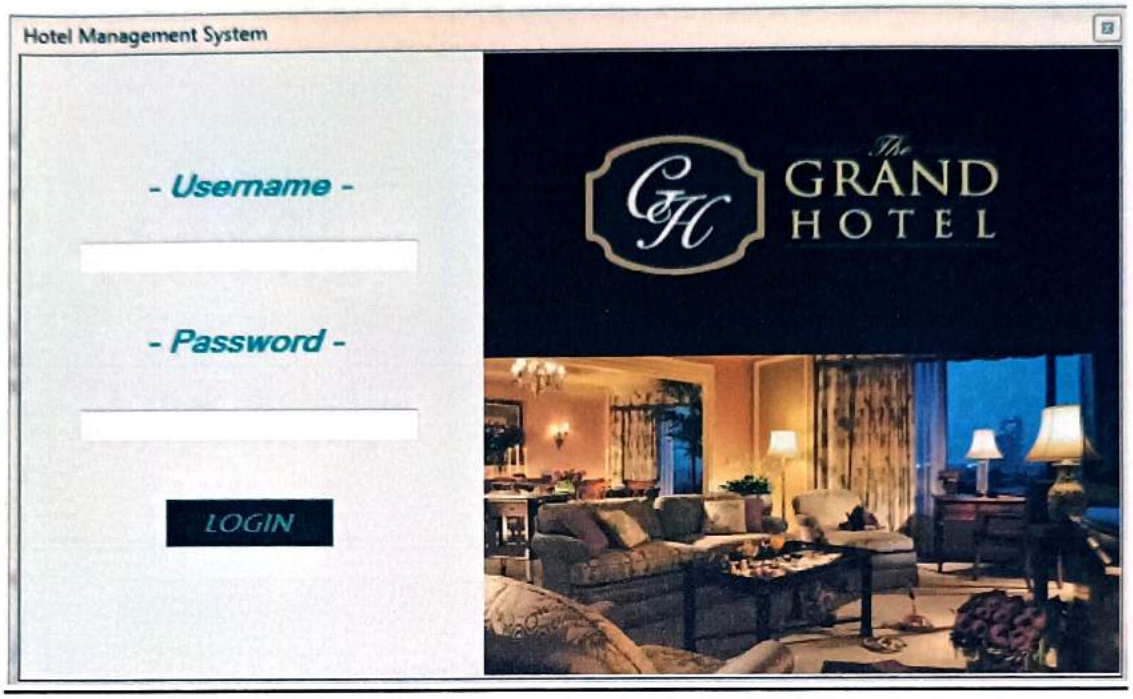
Server: localhost ▸ Database: hms ▸ Table: boarders

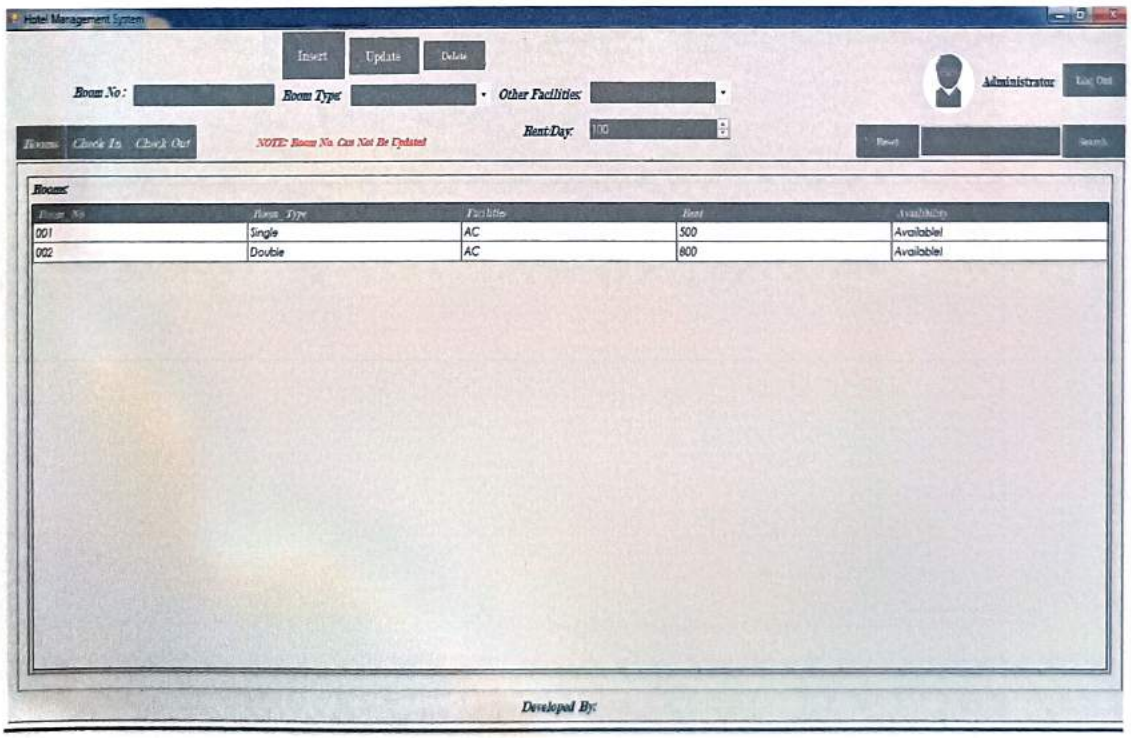
Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Empty | Drop

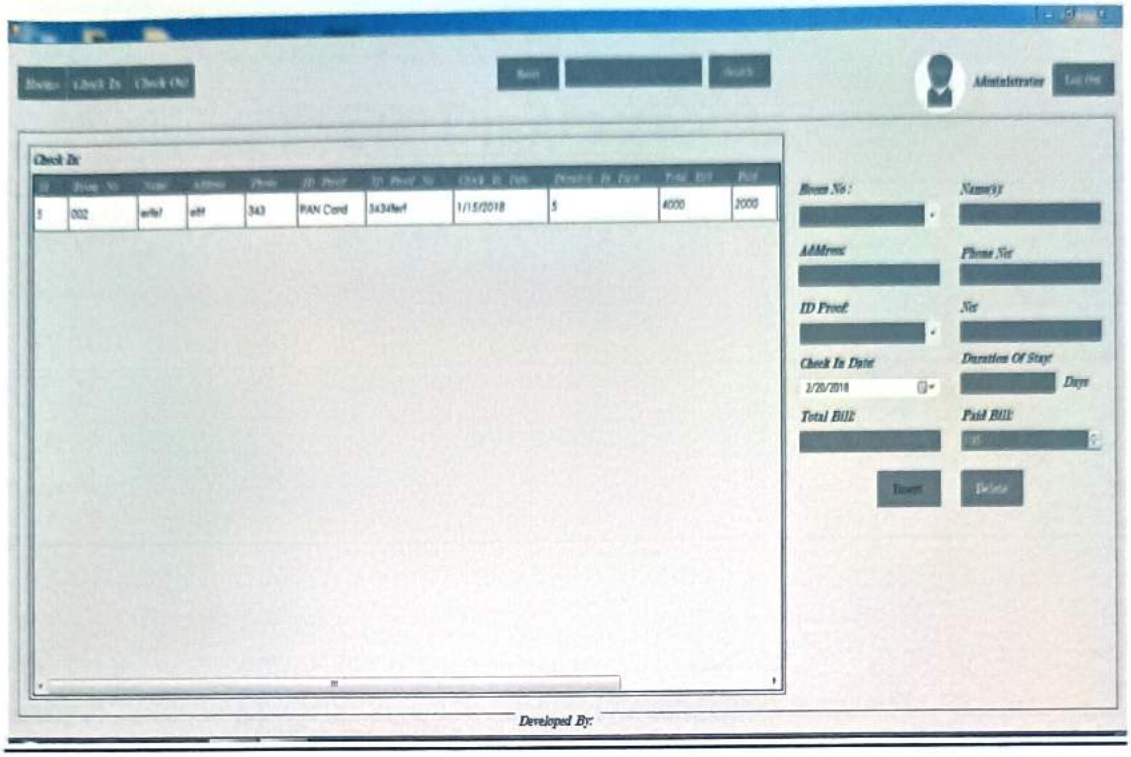
Field	Type	Collation	Attributes	Null	Default	Extra	Action
Sl	int(5)			No	None	auto_increment	
Room_No	varchar(10)	latin1_swedish_ci		No	None		
Name	varchar(100)	latin1_swedish_ci		No	None		
Address	varchar(200)	latin1_swedish_ci		No	None		
Phone	varchar(10)	latin1_swedish_ci		No	None		
ID_Proof	varchar(50)	latin1_swedish_ci		No	None		
ID_Proof_No	varchar(30)	latin1_swedish_ci		No	None		
Check_In_Date	varchar(20)	latin1_swedish_ci		No	None		
Duration_In_Days	int(5)			No	None		
Total_Bill	bigint(8)			No	None		
Paid	int(8)			No	None		
To_Be_Paid	bigint(8)			No	None		
Check_Out_Status	varchar(50)	latin1_swedish_ci		No	None		

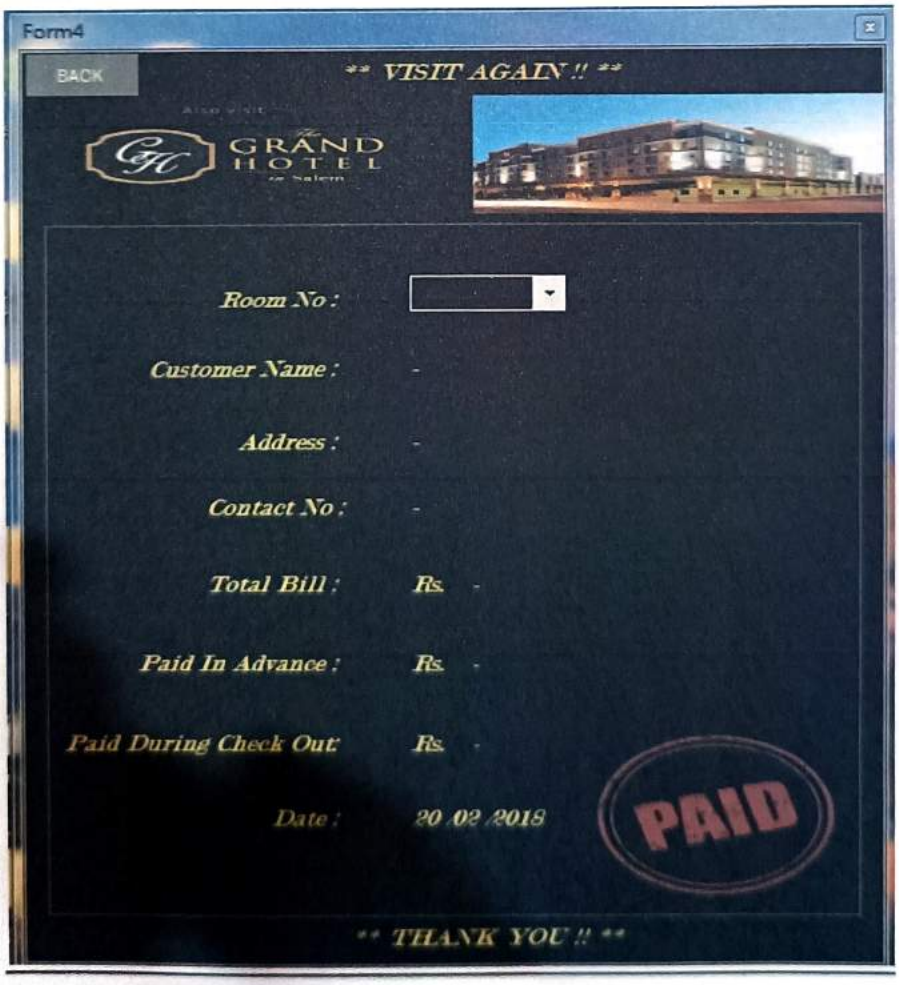
Check All / Uncheck All *With selected*

LOGICAL DESIGN:-

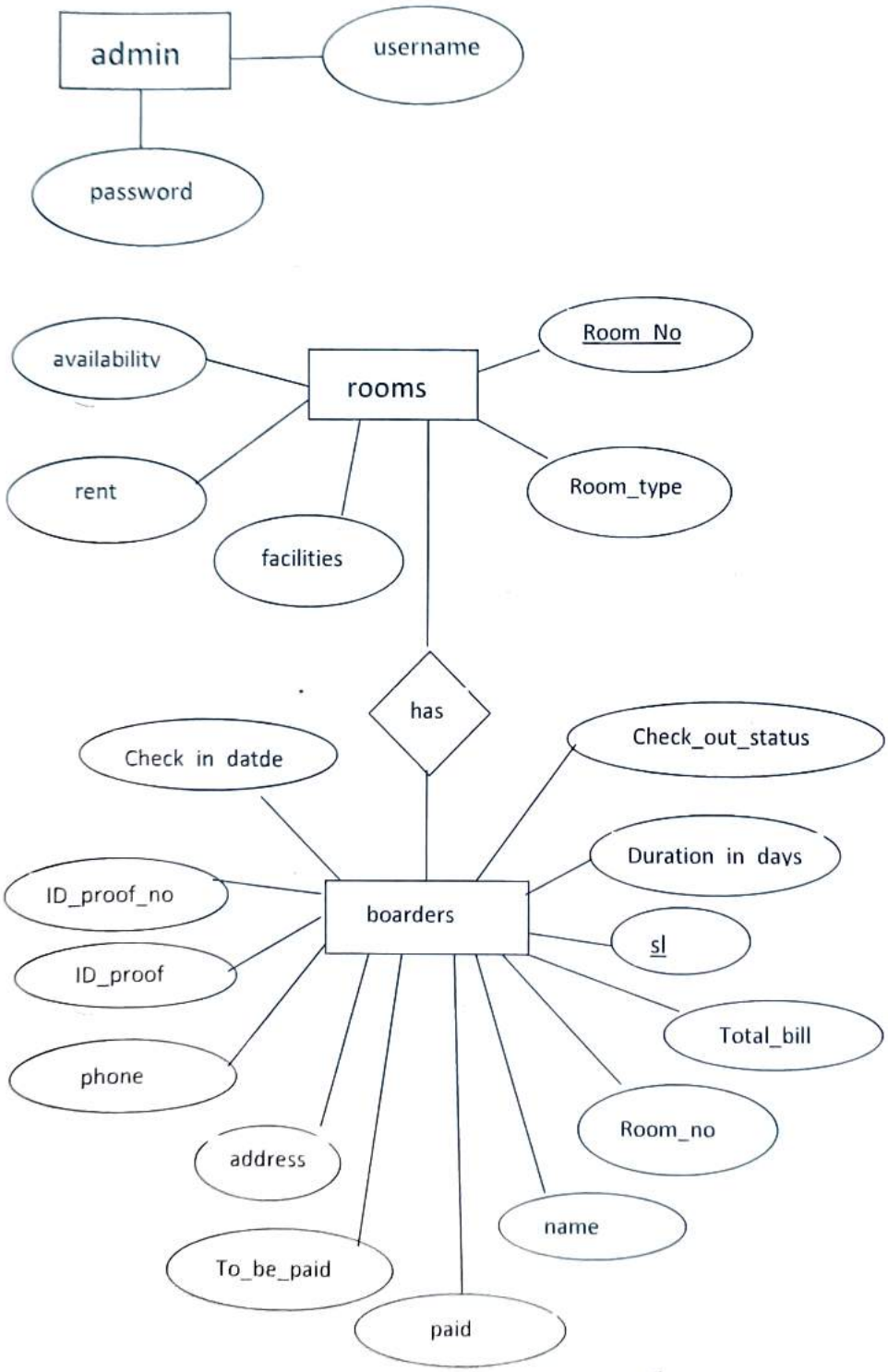





Check In
Room No :
Name(s)
Address
Phone No
ID Proof
No
Check In Date
Duration Of Stay
Days
Total Bill
Paid Bill
Developed By:


Form4
BACK
** VISIT AGAIN !! **
GRAND HOTEL
Room No :
Customer Name :
Address :
Contact No :
Total Bill : Rs.
Paid In Advance : Rs.
Paid During Check Out Rs.
Date : 20 /02 /2018
PAID
** THANK YOU !! **

ER Diagram


admin
username
password
availability
rooms
Room_No
rent
Room_type
facilities
has
Check in datde
Check_out_status
Duration in days
ID_proof_no
boarders
sl
ID_proof
Total_bill
phone
Room_no
address
name
To_be_paid
paid

CONCLUSION:-

It has been a matter of immense pleasure ,honour and challenge to have this opportunity to take up this project and complete it successfully .while developing this project we have learnt a lot about hotel management, we have also learnt how to make it user friendly (easy to use and handle) by hiding the complicated parts of it from the users .During the development process we studied carefully and understood the criteria for ,making a software more demanding, we also realised the importance of maintaining a minimal margin for error.

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- Internet World Wide Web how to program, Pearson education.
- Other resources from net and friends.