

NEAR EAST UNIVERSITY



FACULTY OF ECONOMICS AND  
ADMINISTRATIVE SCIENCES

DEPARMENT OF COMPUTER  
INFORMATION SYSTEMS

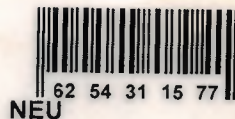
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CIS 200  
(Graduation Project)

HOTEL SERVICE PROJECT

Submitted To : Dept. Of CIS

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## **ACKNOWLEDGEMENTS**

First of all I say thanks to my Almighty God who gave me abilities and helped me do anything that was possible by me.

I am then very much thankful to my advisor Dr.Naire ÇAVUŞ who helped me from the core, and helped me when ever I was struck in programming matters.

I then say thanks to my parents who helped me and supported me till this very time, thank you very much mom and dad.

Of course I will not forget my friends here who always motivated me when ever I got disappointed in any point while making this program

## Introduction:

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## **ABSTRACT**

This software is a specific program only suitable for Hotel reservation service system that makes business in keeping customer information and managerial information. The Hotel reservation system is divided into 2 main processes in order for better user interface and easily usage of software, quickly access to information.

First main process area is which we are enter the registries about customers information ,hotel information and accounting information

Second main area is monitoring reports for customers, hotel management include buildings, rooms , occupied and empty rooms, accounting reports.

I hope that, this software will help the hotel management to keep close eye on his business accounts, hotel registries.

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"Programmer"



## Introduction:

For this project I have created an MDI form to display other forms on. Also I have made a menu at the top of this form. This menu contains both lists and reports. There are 4 list forms. These are "Buildings", "Floors", "Room types", and "Rooms". These forms contain an adodc data control and a database grid to show the list of buildings, floors, room types, and rooms that are already defined. These forms also contain buttons to add and delete records. When user clicks on add button, add forms that I created is shown. These forms allow users to enter data. If there are any missing required data exists, user is warned and new record is not added. When user wants to delete a record she is asked if she is sure. Then the record is deleted from the database using delete command of recordset object. "Rooms" list contains 2 more buttons. First one is details. If this button is clicked user is shown the details of room. If there is a customer in the room, her information is displayed too. Also, user can add room service cost to a customer using this form. Second button in rooms list is Check out / Check in button. If the room is empty this button checks out a customer, asking her details. When check out is confirmed a new record added to customers table and rooms table is updated to show it as full. If room has a customer in, then leaving customer form is shown. In this form, user can select payment type for the customer. When check in is confirmed a receipt is shown, which can be printed using HTML reports.

There is also a "Status" button in the menu. When this button is clicked, a form is shown with the building list at the top. When a building is selected, its floors are shown with the rooms in them. If a room is empty it is shown green, if it is full the color will be red. To make this form, I have used control arrays of Visual Basic. The control arrays allow controls to be created in runtime, changing their positions and texts according to the values of the database.

For reports, I have created a adodc data control. In this control I wrote queries for the reports and sent the recordset to HTML reports to be displayed. For rooms report I have created a form where user can select room details to be listed, according to user preferences I have built the query. Also income report has a settings dialog allowing user to enter two dates to take income entries between.

"Programmer", "Help", and "About" buttons open HTML report templates I have created.

## Database Structure

### Table Building

**building : Tablo**

Alan Adı	Veri Türü
id	Otomatik Sayı
name	Metin

Alan Özellikleri

Genel | Arama

Alan Boyutu	50
Biçim	
Giriş Maskesi	
Resim Yazısı	
Varsayılan Değer	
Geçerlilik Kuralı	
Geçerlilik Metni	
Gerekli	Hayır
Sıfır Uzunluk İzni	Evet
Sıralı	Hayır
Unicode Sıkıştırma	Evet
IME Modu	Denetim Yok
IME Tümce Modu	Hiçbiri
Akıllı Etiketler	

### Table Customer

**customer : Tablo**

Alan Adı	Veri Türü
id	Otomatik Sayı
name	Metin
surname	Metin
idcard	Metin
nationality	Metin
arrived	Tarih/Saat
departed	Tarih/Saat
roomservice	Para Birimi
roomprice	Para Birimi
paymenttype	Metin
room	Sayı

Alan Özellikleri

Genel | Arama

Alan Boyutu	50
Biçim	
Giriş Maskesi	
Resim Yazısı	
Varsayılan Değer	
Geçerlilik Kuralı	
Geçerlilik Metni	
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Sıfır Uzunluk İzni	Evet
Sıralı	Hayır
Unicode Sıkıştırma	Evet
IME Modu	Denetim Yok
IME Tümce Modu	Hiçbiri
Akıllı Etiketler	



## Floor Table

floor : Tablo	
Alan Adı	Veri Türü
id	Otomatik Sayı
name	Metin
building	Sayı

Alan Özellikleri

Genel | Arama

Alan Boyutu 50

Biçim

Giriş Maskesi

Resim Yazısı

Varsayılan Değer

Geçerlilik Kuralı

Geçerlilik Metni

Gerekli Hayır

Sıfır Uzunluk İzni Evet

Sıralı Hayır

Unicode Sıkıştırma Evet

IME Modu Denetim Yok

IME Tümce Modu Hiçbiri

Akıllı Etiketler

## Room Table

room : Tablo	
Alan Adı	Veri Türü
id	Otomatik Sayı
number	Metin
floor	Sayı
type	Metin
airconditionar	Evet/Hayır
bathroom	Evet/Hayır
tv	Evet/Hayır
jakuzi	Evet/Hayır
seaview	Evet/Hayır
dailyprice	Para Birimi
customer	Sayı

Alan Özellikleri

Genel | Arama

Alan Boyutu 50

Biçim

Giriş Maskesi

Resim Yazısı

Varsayılan Değer

Geçerlilik Kuralı

Geçerlilik Metni

Gerekli Hayır

Sıfır Uzunluk İzni Evet

Sıralı Evet (Yineleme \

Unicode Sıkıştırma Evet

IME Modu Denetim Yok

IME Tümce Modu Hiçbiri

Akıllı Etiketler

roomtype : Tablo

?

id

Otomatik Sayı

▶

name

Metin

Alan Özellikleri

Genel

Arama

Alan Boyutu

50

Biçim

Giriş Maskesi

Resim Yazısı

Varsayılan Değer

Geçerlilik Kuralı

Geçerlilik Metni

Gerekli

Hayır

Sıfır Uzunluk İzni

Evet

Sıralı

Hayır

Unicode Sıkıştırma

Evet

IME Modu

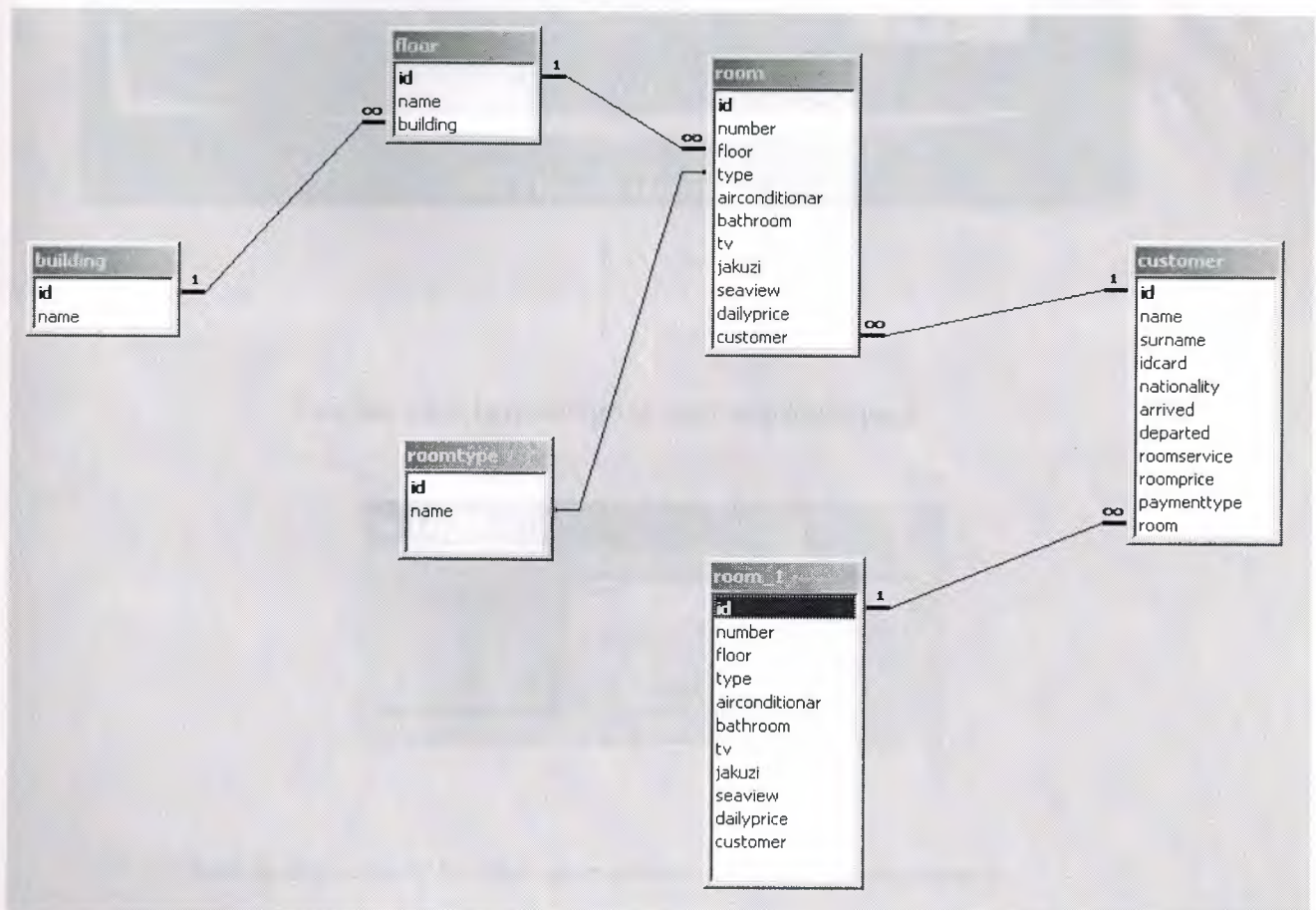
Denetim Yok

IME Tümce Modu

Hiçbiri

Akıllı Etiketler

## Relationship Between Tables





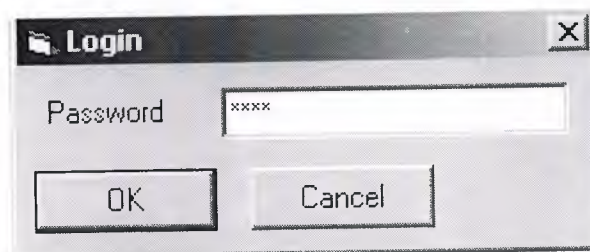
## User Manual

Here I will explain in detail how the system works as the user moves from process to process.  
The system begins with the main menu that is explained below

When you click to starting Hotel Reservation Service programme , first screen is follow ;



You can click here and go to next step login page.



And then you have to enter your password to access programme ;

Our programme is starting and main menu is given below ;



Initial screen of programme has include 14 buttons. Each one has diffrent work and diffrent pages.And we can explain each one below.



## **BUILDINGS BUTTON**

If you enlargement your business buildings, you can add new building using BUILDINGS button

The screenshot displays a software window titled "Buildings" with a menu bar and a data table. The menu bar includes options: Buildings, Floors, Room Types, Rooms, Status, Exit, Buildings, Rooms, Occupied, Customers, Income, Room Types, Programmer, and About. The table lists building information with columns for ID and Name. The first three rows are visible: ID 3 (A Block), ID 6 (B Block), and ID 7 (C Block). Navigation buttons (Previous, First, Last, Next) are located at the top right of the table area. At the bottom of the window are buttons for Add, Delete, and Close.

ID	Name
3	A Block
6	B Block
7	C Block



## FLOORS BUTTON

You can add new floors at your buildings using FLOORS button

<u>B</u> uildings	<u>F</u> loors	<u>R</u> oom <u>T</u> ypes	<u>R</u> ooms	<u>S</u> tatus	<u>E</u> xit
<u>B</u> uildings	<u>R</u> ooms	<u>O</u> ccupied	<u>C</u> ustomers	<u>I</u> ncome	<u>R</u> oom <u>T</u> ypes
<u>P</u> rogrammer		<u>A</u> bout			

Floors			
ID	Name	Building	
1	1st Floor	A Block	
3	2nd floor	A Block	
4	3rd floor	A Block	
5	4th floor	A Block	
6	5th floor	A Block	
7	1st floor	B Block	
8	2nd floor	B Block	
9	3rd floor	B Block	
10	4th floor	B Block	
11	5th floor	B Block	
12	1st floor	C Block	
13	2nd floor	C Block	
14	3rd floor	C Block	
15	4th floor	C Block	
16	5th floor	C Block	

Add	Delete	Close
-----	--------	-------

## ROOM TYPES BUTTON

You can add new types of rooms in your hotel by using ROOM TYPES button

Buildings	Floors	Room Types	Rooms	Status	Exit
Buildings	Rooms	Occupied	Customers	Income	Room Types
		Programmer	About		

Room Types	
ID	Name
1	Junior Suit One Person
3	Family Suit Two Person
4	Executive Suit Three Person
5	King Suit Four Person

Add	Delete	Close
-----	--------	-------



## ROOMS BUTTON

Using ROOMS button, you can complete customers check in and check out operations .And you can get information about customers, like ; name , nationality, entrance date ,room price, occupied rooms and empty rooms.

Buildings	Floors	Room Types	Rooms	Status	Exit
Buildings	Rooms	Occupied	Customers	Income	Room Types
Programmer			About		

**Rooms**

All Rooms ▼

Search Customer ▶

▶	Number	Customer	Floor	Building	Type	▲
	R01		1st Floor	A Block	Executive Suit	
	R02		1st Floor	A Block	Junior Suit One	
	R03		1st Floor	A Block	Family Suit Two	
	R04	JANE SIMPSON	1st Floor	A Block	Executive Suit	
	R05		1st Floor	A Block	King Suit Four F	
	R06	YUSUF PEKEL	1st Floor	A Block	Junior Suit One	
	R07		1st Floor	A Block	Famiy Suit Two	
	R08	DARISU CATE	2nd floor	A Block	Junior Suit One	
	R09	MALENIE JACKSON	2nd floor	A Block	Family Suit Two	
	R10	NICOLE KING	2nd floor	A Block	Executive Suit	
	R11		2nd floor	A Block	King Suit Four F	
	R12		2nd floor	A Block	Family Suit Two	
	R13	PETER SUN	3rd floor	A Block	Junior Suit One	
	R14	NUR ESER	3rd floor	A Block	Family Suit Two	
	R15	JASON FRODE	3rd floor	A Block	Executive Suit	
	R16	LEONEL PARDO	3rd floor	A Block	King Suit Four F	
	R17		4th floor	A Block	Junior Suit One	
	R18		4th floor	A Block	Family Suit Two	
	R19	RICKY SINZ	4th floor	A Block	King Suit Four F	
	R20	KELLY WITT	5th floor	A Block	King Suit Four F	
	R21		5th floor	A Block	King Suit Four F	
	R22		5th floor	A Block	Junior Suit One	
	R23	CIHAN KUM	1st floor	B Block	Junior Suit One	
	R24	MERT ER	1st floor	B Block	Family Suit Two	
	R25	ZEYNEP EKE	1st floor	B Block	Executive Suit	
	R26	DERYA ZENGİN	1st floor	B Block	King Suit Four F	
	R27	FURKAN KARATAY	1st floor	B Block	Junior Suit One	
	R28	CENK ARI	1st floor	B Block	Family Suit Two	
	R29	CENGİZ YILMAZ	1st floor	B Block	Executive Suit	

Add
Delete
Details
Checkout

Close



## ROOMS BUTTON → DETAILS BUTTON

Using this button, we can get information room details like ; room number , daily price . And Customer Details like name, surname, nationality.

Buildings	Floors	Room Types	Rooms	Status	Exit
Buildings	Rooms	Occupied	Customers	Income	Room Types
Programmer		About			

### Room Details

Number	: RD4	Airconditionar	: Yes
Building	: A Block	Bathroom	: Yes
Floor	: 1st Floor	TV	: Yes
Type	: Executive Suit	Jakuzi	: No
Daily Price	: 150 YTL	Seaview	: No

### Customer Details

Name	JANE	Arrived	14 Eyl 2008
Surname	SIMPSON	Room Service	0 YTL
ID Card	123432	Room Price	150 YTL
Nationality	English	<input type="button" value="Add Room Service"/>	

**ROOMS BUTTON → DETAILS BUTTON →ADD ROOM SERVICE  
BUTTON**

When customer want to buy extra service in their room , Service charge is going to add by using ADD ROOM SERVICE buton.

The screenshot displays a software interface for hotel reservations. The main window, titled "Hotel Reservation - [Room Details]", features a menu bar with options: Buildings, Floors, Room Types, Rooms, Status, and Exit. Below this is a sub-menu bar with: Buildings, Rooms, Occupied, Customers, Income, Room Types, Programmer, and About. The main content area is divided into two sections: "Room Details" and "Customer Details".

**Room Details**

Number	: R04	Airconditioner	: Yes
Building	: A Block	Bathroom	: Yes
Floor	: 1st Floor	TV	: Yes
Type	: Executive Suit	Jakuzi	: No
Daily Price	: 150 YTL	Seaview	: No

**Customer Details**

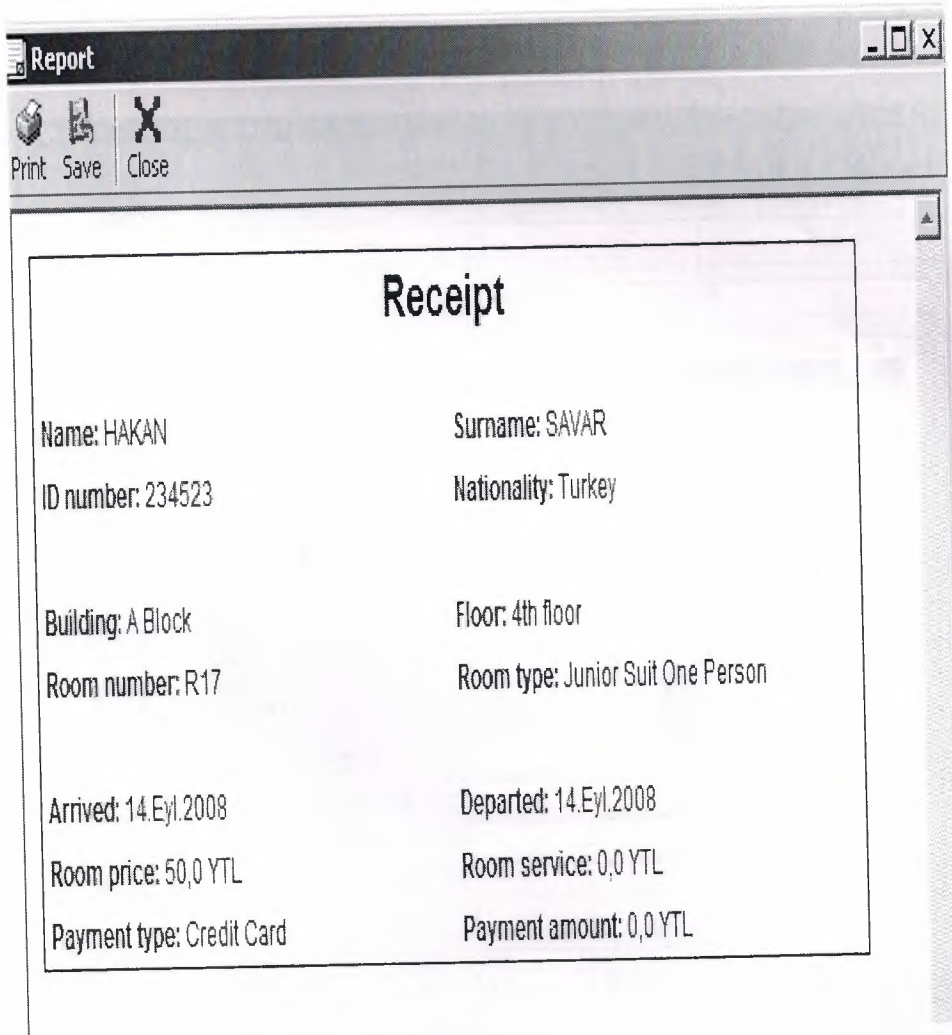
Name	JANE	Arrived	14 Eyl 2008
Surname	SIMPSON	Room Service	0 YTL
ID Card	123432	Room Price	150 YTL
Nationality	English		

At the bottom of the Customer Details section is a button labeled "Add Room Service". A "Close" button is located at the bottom right of the main window.

Overlaid on the right side of the main window is a smaller dialog box titled "Room Service". It contains the text "Please enter the amount of the sale." followed by a text input field. To the right of the input field are two buttons: "OK" and "Cancel".

## ROOMS BUTTON → CHECK IN BUTTON

When customer want to leave or want to learn about details ,We can click check in button and report will be display like below.



The screenshot shows a software window titled 'Report' with standard Windows window controls (minimize, maximize, close) in the top right corner. Below the title bar is a toolbar with three icons: a printer (labeled 'Print'), a floppy disk (labeled 'Save'), and a red 'X' (labeled 'Close'). The main content area of the window is titled 'Receipt' and contains a list of customer and stay details arranged in two columns.

Name: HAKAN	Surname: SAVAR
ID number: 234523	Nationality: Turkey
Building: A Block	Floor: 4th floor
Room number: R17	Room type: Junior Suit One Person
Arrived: 14.Eyl.2008	Departed: 14.Eyl.2008
Room price: 50,0 YTL	Room service: 0,0 YTL
Payment type: Credit Card	Payment amount: 0,0 YTL



## ROOMS BUTTON → CHECK OUT BUTTON

Using check out button , we register customer in our hotel. We add customer information in this part like customer name, surname, ID Card and nationality .

Number	Customer	Floor	Building	Type
R01		1st Floor	A Block	Executive Suit
R02		1st Floor	A Block	Junior Suit One
R03		1st Floor	A Block	Family Suit Two
R04	JANE SIMPSON	1st Floor	A Block	Executive Suit
R05		1st Floor	A Block	King Suit Four F
R06		1st Floor	A Block	Junior Suit One
R07		1st Floor	A Block	Family Suit Two
R08	DARISU CATE	2nd floor	A Block	Junior Suit One
R09	MALEN			Junior Suit Two
R10	NICOLE			Executive Suit
R11				Four F
R12				Junior Suit Two
R13	PETER			Junior Suit One
R14	NUR ES			Junior Suit Two
R15	JASON			Executive Suit
R16	LEONE			Four F
R17				Junior Suit One
R18				Junior Suit Two
R19	RICKY			Four F
R20	KELLY			Four F
R21				Four F
R22				Junior Suit One
R23	CIHAN			Junior Suit One
R24	MERT			Junior Suit Two
R25	ZEYNE			Executive Suit
R26	DERYA			Four F
R27	FURKAN KARATAY	1st floor	B Block	Junior Suit One
R28	CENKARI	1st floor	B Block	Family Suit Two
R29	CENGİZ MUSTAFA	1st floor	B Block	Executive Suit

## STATUS BUTTON

Using STATUS button, you can get information occupied and empty rooms at the different building. Using different colors, we can separate occupied and empty rooms.

The screenshot shows a window titled "Hotel Reservation - [Status]". It has a menu bar with "Buildings", "Floors", "Room Types", "Rooms", "Status", and "Exit". Below the menu bar is a sub-menu bar with "Buildings", "Rooms", "Occupied", "Customers", "Income", and "Room Types". There are also buttons for "Programmer" and "About".

The main area of the window has a "Building" label and a dropdown menu showing "A Block". To the right of the dropdown is a "Close" button.

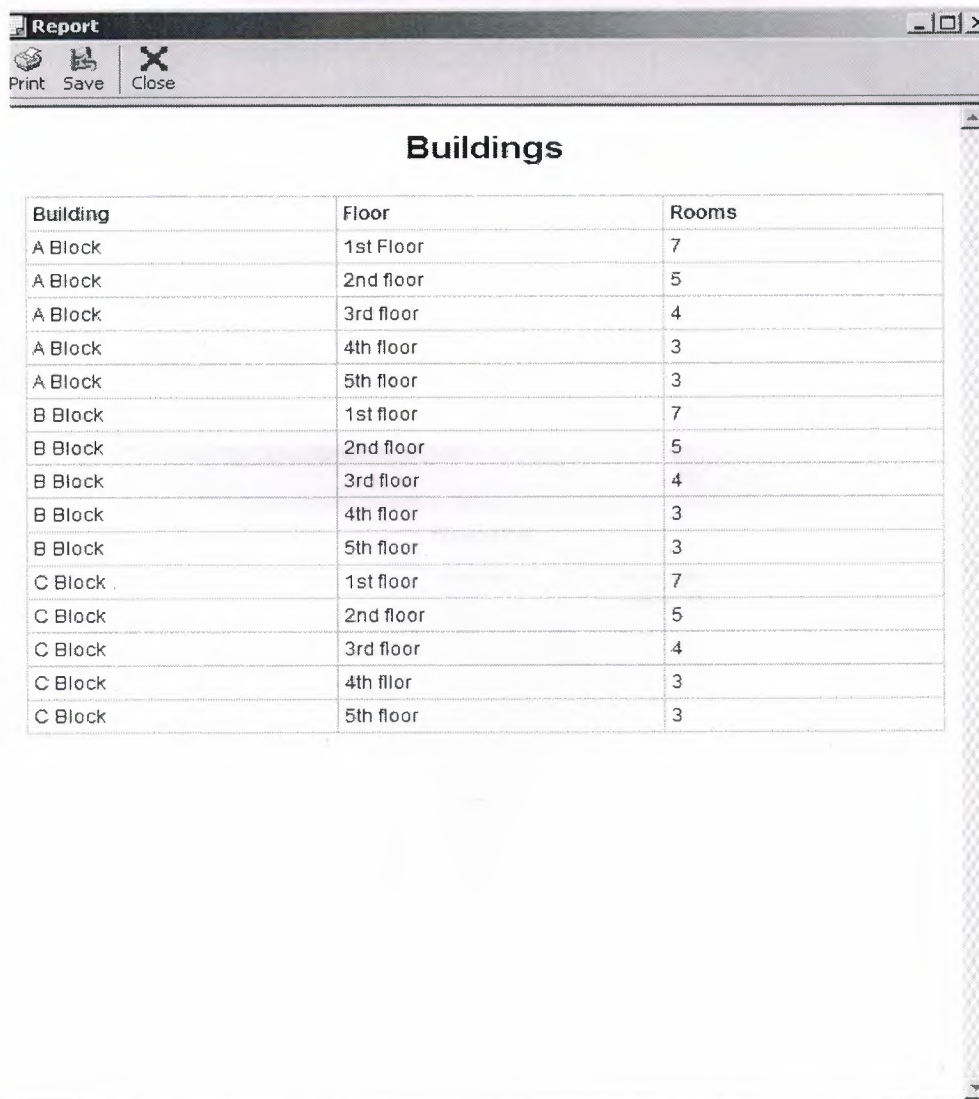
Below the dropdown menu, there is a list of rooms and their status, organized into five groups:

R20	R21	R22				
King Suit	King Suit	Junior Suit				
R17	R18	R19				
Junior Suit	Family Suit	King Suit				
R13	R14	R15	R16			
Junior Suit	Family Suit	Executive	King Suit			
R08	R09	R10	R11	R12		
Junior Suit	Family Suit	Executive	King Suit	Family Suit		
R01	R02	R03	R04	R05	R06	R07
Executive	Junior Suit	Family Suit	Executive	King Suit	Junior Suit	Family Suit

## **REPORT BUTTONS**

### **BUILDINGS REPORT BUTTONS**

Buildings, floors and rooms at the floors and rooms at the buildings, can be easily shown at report types, If you want, you can be save or print by the using building report button.



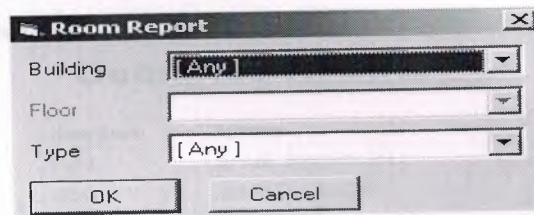
The screenshot shows a software window titled 'Report'. It has a menu bar with 'Print', 'Save', and 'Close' options. Below the menu bar, the title 'Buildings' is centered. A table with three columns: 'Building', 'Floor', and 'Rooms' is displayed. The table lists data for three blocks (A, B, and C), each with five floors. The number of rooms per floor is 7 for the 1st floor, 5 for the 2nd, 4 for the 3rd, and 3 for the 4th and 5th floors.

Building	Floor	Rooms
A Block	1st Floor	7
A Block	2nd floor	5
A Block	3rd floor	4
A Block	4th floor	3
A Block	5th floor	3
B Block	1st floor	7
B Block	2nd floor	5
B Block	3rd floor	4
B Block	4th floor	3
B Block	5th floor	3
C Block	1st floor	7
C Block	2nd floor	5
C Block	3rd floor	4
C Block	4th floor	3
C Block	5th floor	3



## ROOM REPORT BUTTON

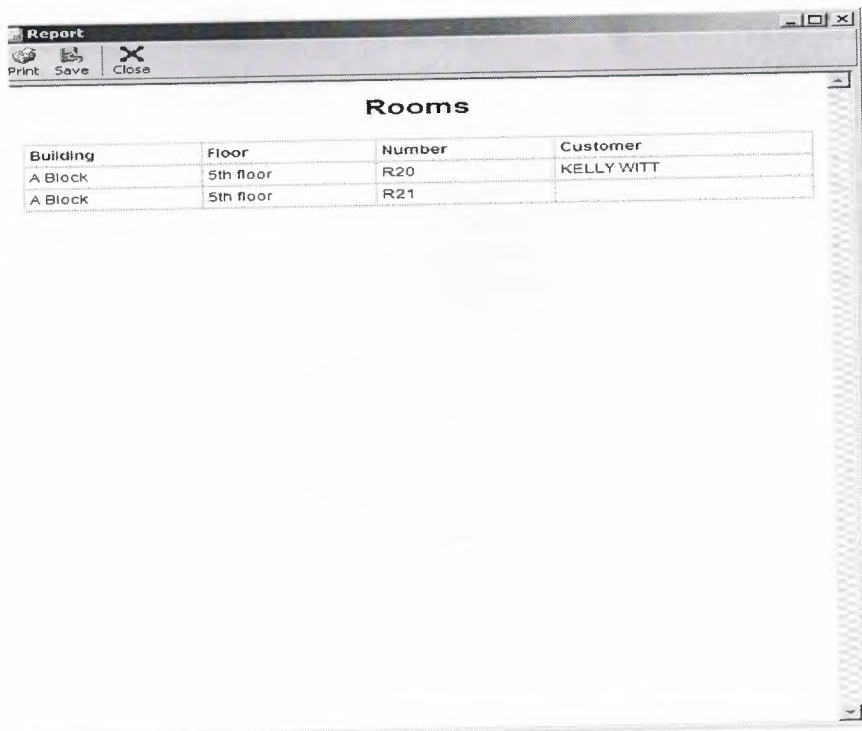
Using rooms report button , building floor and room type can be select. And you can get information at report form include which customer stay at which building ,which floor ,which room and you can save and print these information.



A dialog box titled "Room Report" with a close button (X) in the top right corner. It contains three dropdown menus: "Building" with "[ Any ]" selected, "Floor" with an empty selection, and "Type" with "[ Any ]" selected. At the bottom are "OK" and "Cancel" buttons.



We choose building, floor and room and then click ok report can be display below ;



A window titled "Report" with a menu bar containing "Print", "Save", and "Close". Below the menu bar is a table titled "Rooms". The table has four columns: "Building", "Floor", "Number", and "Customer". It contains two rows of data.

Building	Floor	Number	Customer
A Block	5th floor	R20	KELLY WITT
A Block	5th floor	R21	

## OCCUPIED REPORT BUTTON

Using occupied rooms button, you can get information about which room occupied, customer name, room number and can be display at report format. You can save and print these reports.



Building	Floor	Number	Name	Arrived
A Block	1st Floor	R04	JANE SIMPSON	14 Eyl 2008
A Block	2nd floor	R08	DARISU CATE	14 Eyl 2008
A Block	2nd floor	R09	MALENIE JACKSON	14 Eyl 2008
A Block	2nd floor	R10	NICOLE KING	14 Eyl 2008
A Block	3rd floor	R13	PETER SUN	14 Eyl 2008
A Block	3rd floor	R14	NUR ESER	14 Eyl 2008
A Block	3rd floor	R15	JASON FRODE	14 Eyl 2008
A Block	3rd floor	R16	LEONEL PARDO	14 Eyl 2008
A Block	4th floor	R19	RICKY SINZ	14 Eyl 2008
A Block	5th floor	R20	KELLY WITT	14 Eyl 2008
B Block	1st floor	R23	CIHAN KUM	14 Eyl 2008
B Block	1st floor	R24	MERT ER	14 Eyl 2008
B Block	1st floor	R25	ZEYNEP EKE	14 Eyl 2008
B Block	1st floor	R26	DERYA ZENGİN	14 Eyl 2008
B Block	1st floor	R27	FURKAN KARATAY	14 Eyl 2008
B Block	1st floor	R28	CENK ARI	14 Eyl 2008
B Block	1st floor	R29	CENGİZ VUSLAT	14 Eyl 2008
B Block	2nd floor	R30	SEHER ATA	14 Eyl 2008
B Block	2nd floor	R31	DERYA UZUN	14 Eyl 2008
B Block	2nd floor	R32	GAMZE KARA	14 Eyl 2008
B Block	2nd floor	R33	BEGUM SINI	14 Eyl 2008
B Block	2nd floor	R34	CEM DEVA	14 Eyl 2008
B Block	3rd floor	R35	YALCIN OZ	14 Eyl 2008
B Block	3rd floor	R36	YAVUZ KOSE	14 Eyl 2008
B Block	3rd floor	R37	MUSA SEVER	14 Eyl 2008
B Block	3rd floor	R38	AYKUT UNVER	14 Eyl 2008

## CUSTOMER REPORT BUTTON

Using Customer report button; you can get information about; customer's name, nationality, date of arrived .These information can be shown at report format, save and print

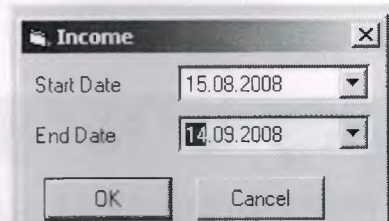


Name	Surname	Nationality	Arrived
AHMET	ASLAN	TRNC	14 Eyl 2008
ASLI	CAKIR	English	14 Eyl 2008
AYKUT	UNVER	Turkey	14 Eyl 2008
AYSUN	GUNES	Turkey	14 Eyl 2008
BARIS	SONMEZ	Turkey	14 Eyl 2008
BEGUM	SINI	Turkey	14 Eyl 2008
BETUL	KESER	Turkey	14 Eyl 2008
BEYZA	GONCU	Turkey	14 Eyl 2008
BUSRA	UNUVAR	English	14 Eyl 2008
CANAN	SEVER	Turkey	14 Eyl 2008
CANSU	KIS	Turkey	14 Eyl 2008
CEM	DEVA	TRNC	14 Eyl 2008
CENGIZ	VUSLAT	Turkey	14 Eyl 2008
CENK	ARI	Turkey	14 Eyl 2008
CESUR	AGA	Turkey	14 Eyl 2008
CIHAN	KUM	Turkey	14 Eyl 2008
DARIUS	VANDERWOCK	French	14 Eyl 2008
DERYA	UZUN	Turkey	14 Eyl 2008
DERYA	ZENGİN	Turkey	14 Eyl 2008
DUYGU	KAYA	Turkey	14 Eyl 2008
ESRA	EKE	Turkey	14 Eyl 2008
FURKAN	KARATAY	Turkey	14 Eyl 2008
GAMZE	KARA	Turkey	14 Eyl 2008
GULSAH	ALBORA	English	14 Eyl 2008
HAKAN	SAVAR	Turkey	14 Eyl 2008
HASAN	KORKMAZ	TRNC	14 Eyl 2008



### **INCOME REPORT BUTTON:**

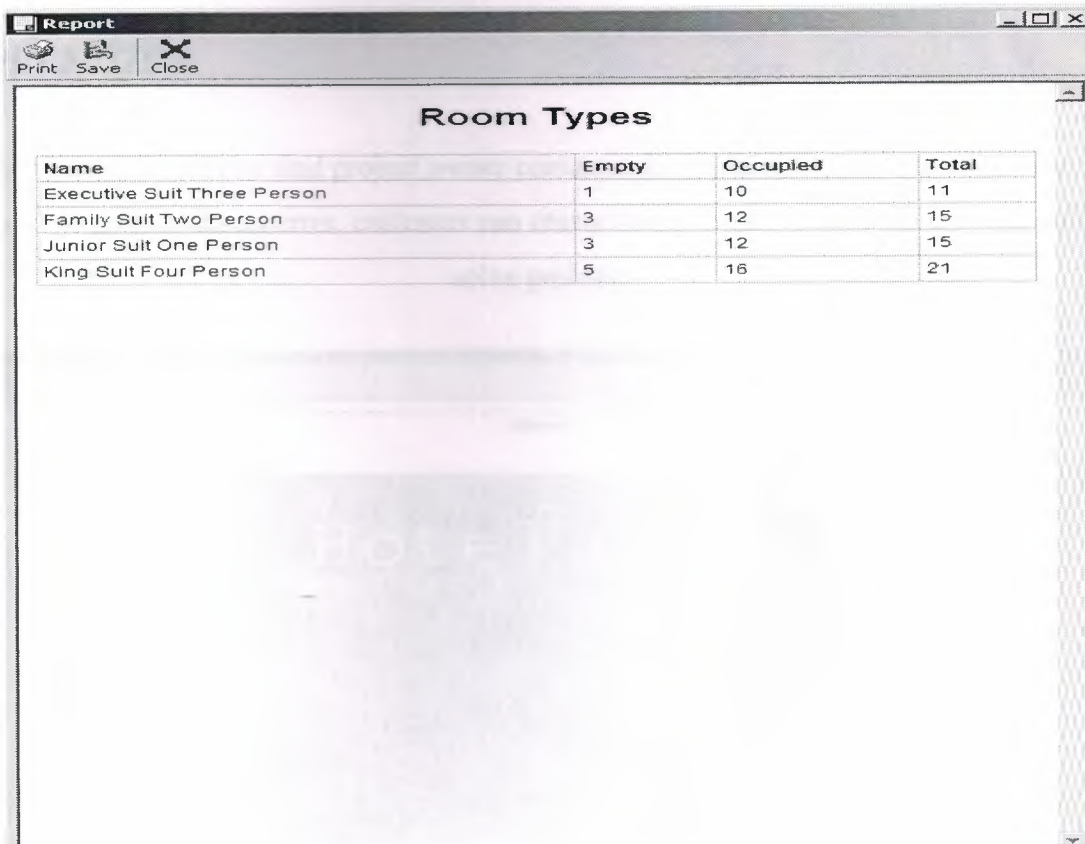
Using income button; we select start date and end date, and then we can access to customers information like; how many days did customers stay in our hotel, room price, and service charge. We can display total report .This report can be save and print.



A small dialog box titled "Income" with a close button (X) in the top right corner. It contains two date selection fields: "Start Date" with the value "15.08.2008" and "End Date" with the value "14.09.2008". Both fields have dropdown arrows. At the bottom, there are two buttons: "OK" and "Cancel".

### **ROOM TYPES REPORT BUTTON**

Using Room type report button; According to room type, we can get report including, which room occupied or empty .We can print or save this report

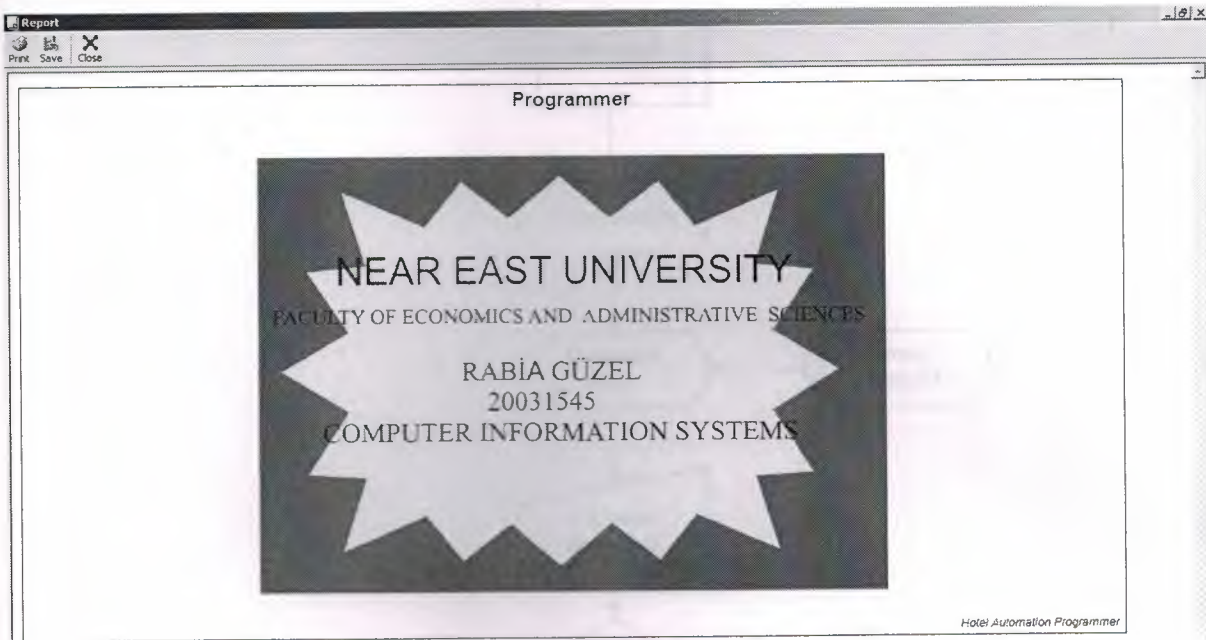


A window titled "Report" with a menu bar containing "Print", "Save", and "Close" (with a close icon). The main content area is titled "Room Types" and contains a table with the following data:

Name	Empty	Occupied	Total
Executive Suit Three Person	1	10	11
Family Suit Two Person	3	12	15
Junior Suit One Person	3	12	15
King Suit Four Person	5	16	21

## PROGRAMMER BUTTON

Using programmer button, we can display information about programme owner. We can save and print this information



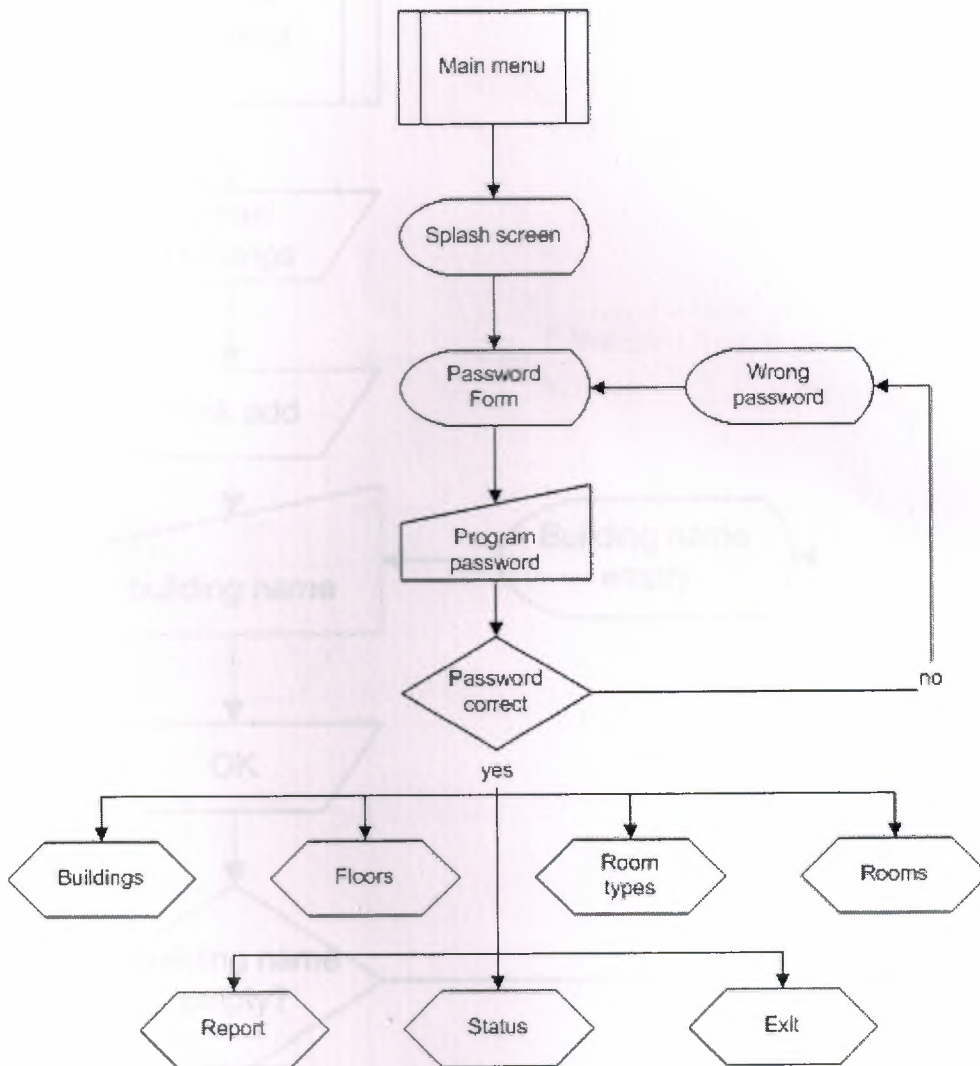
## ABOUT BUTTON

At this part, there can be find project owner contact info, like address and phone number. If it is need or project has an error, customer can create connection to programme owner and can solve problem.



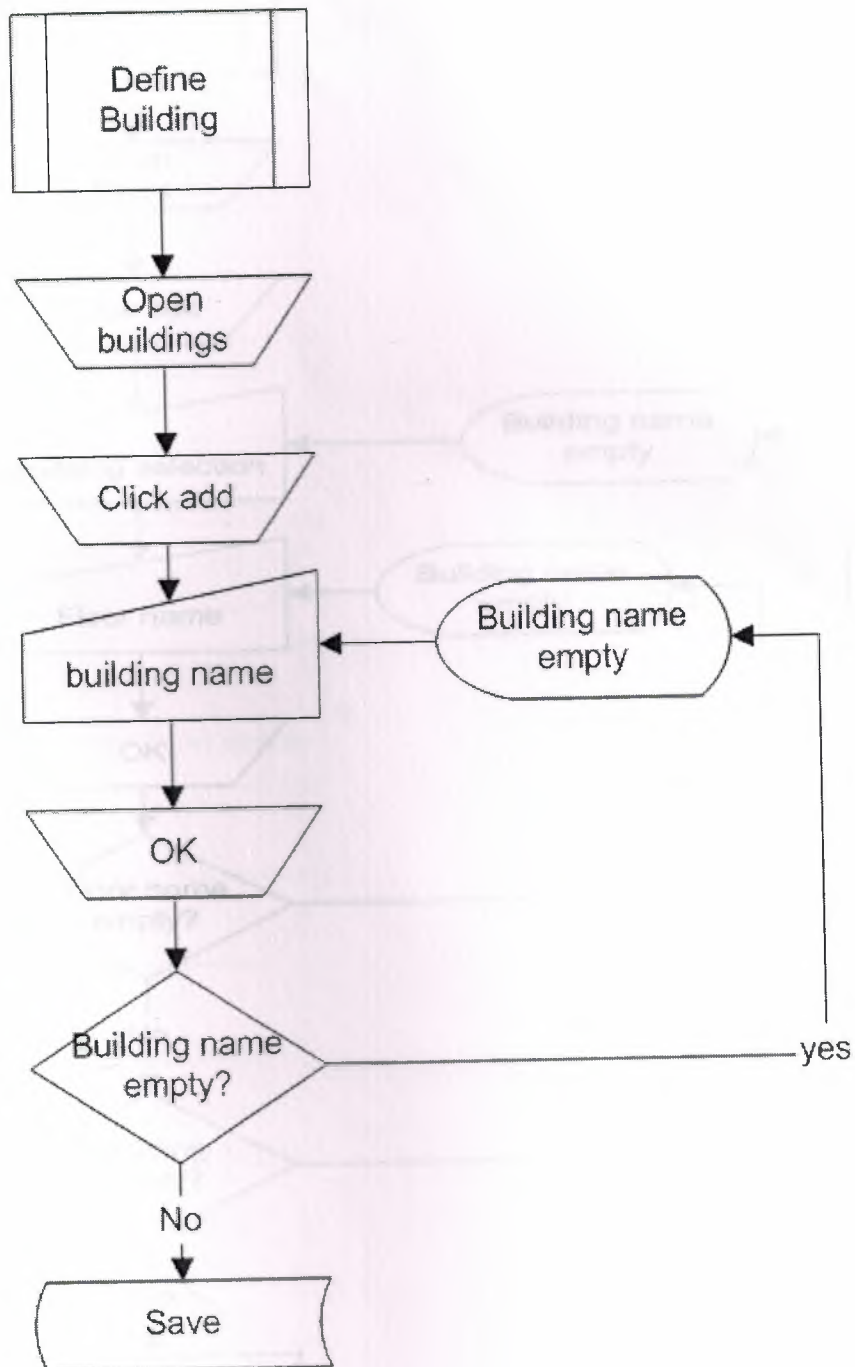
## User Flowcharts

### MAIN MENU

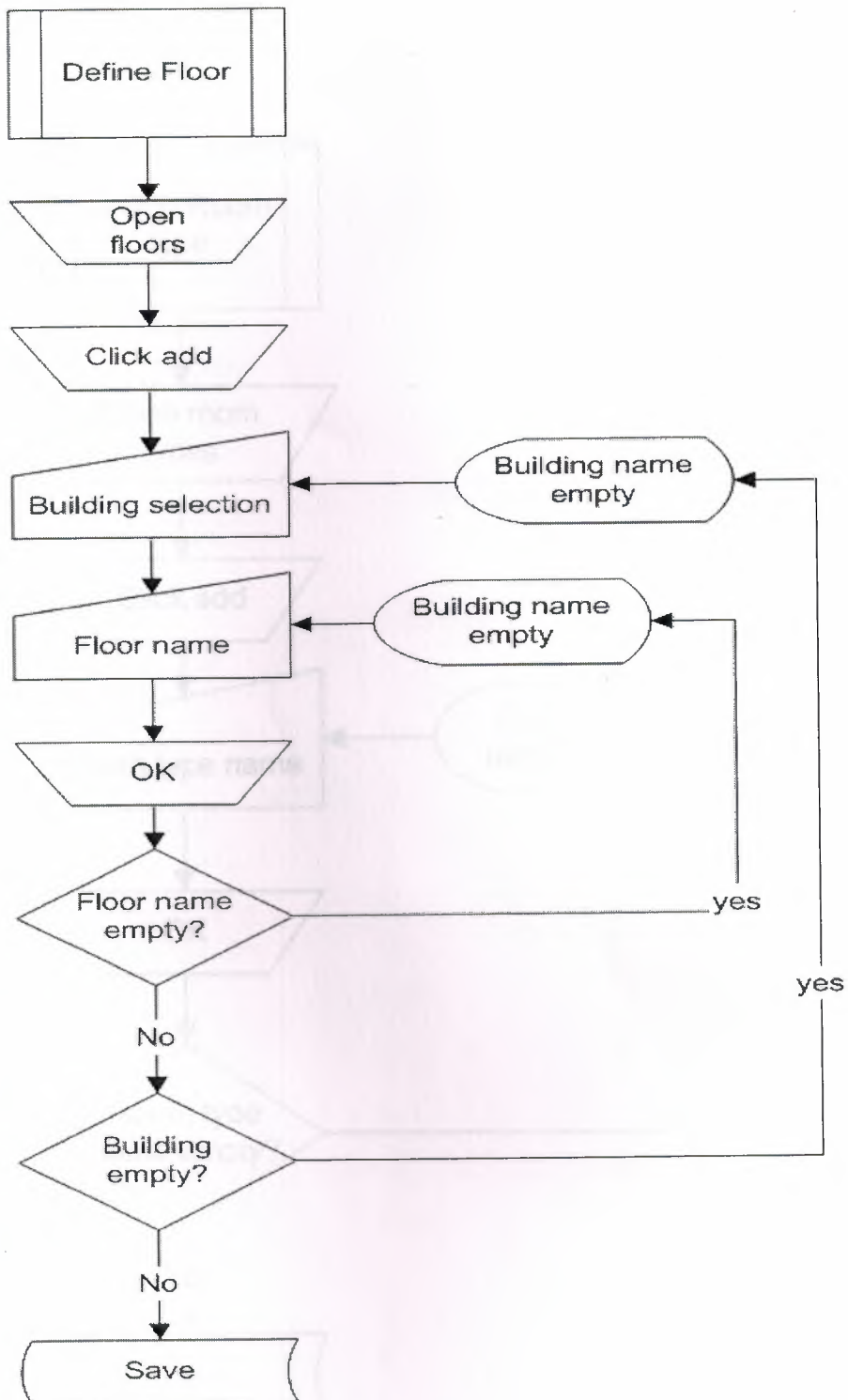




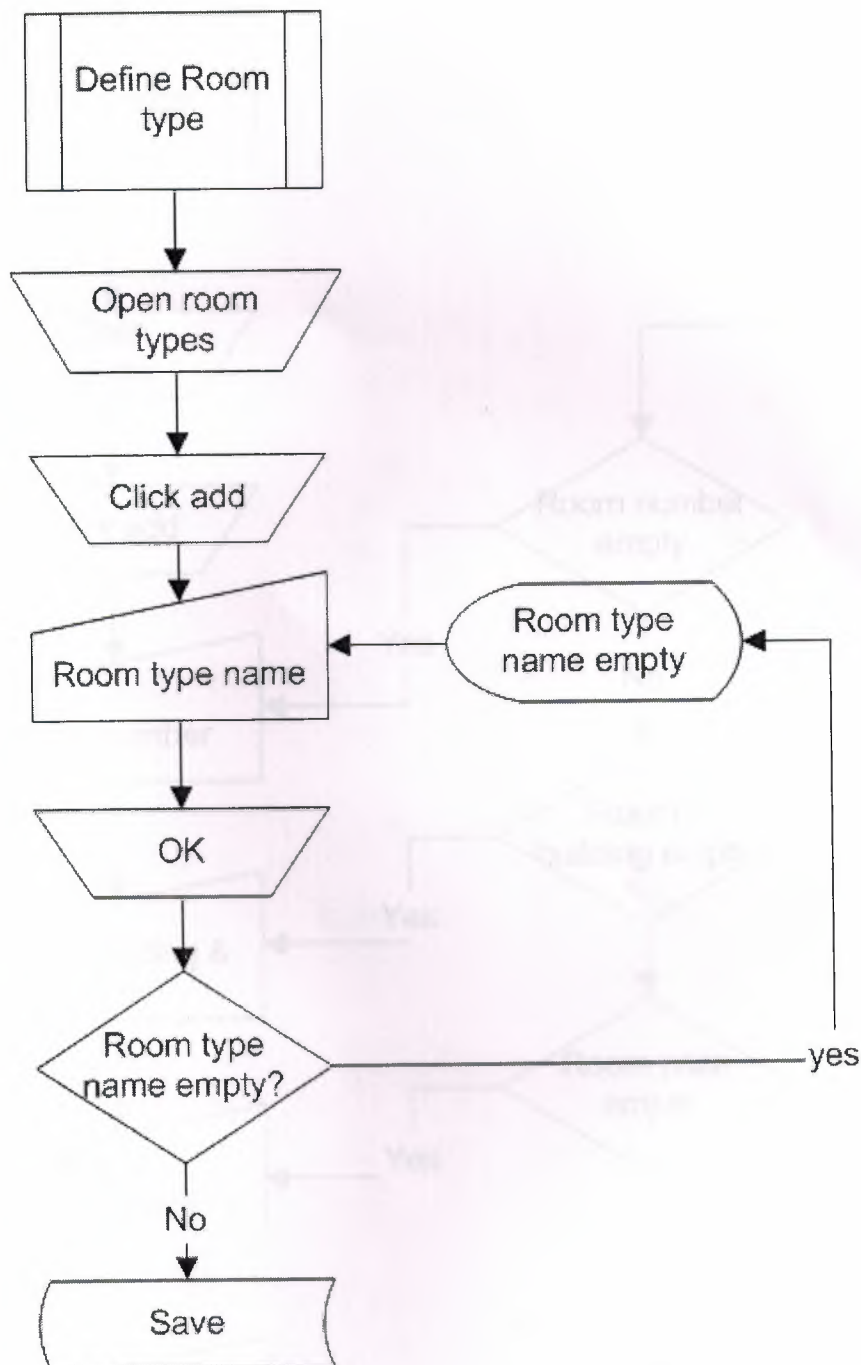
## BUILDING



## FLOORS

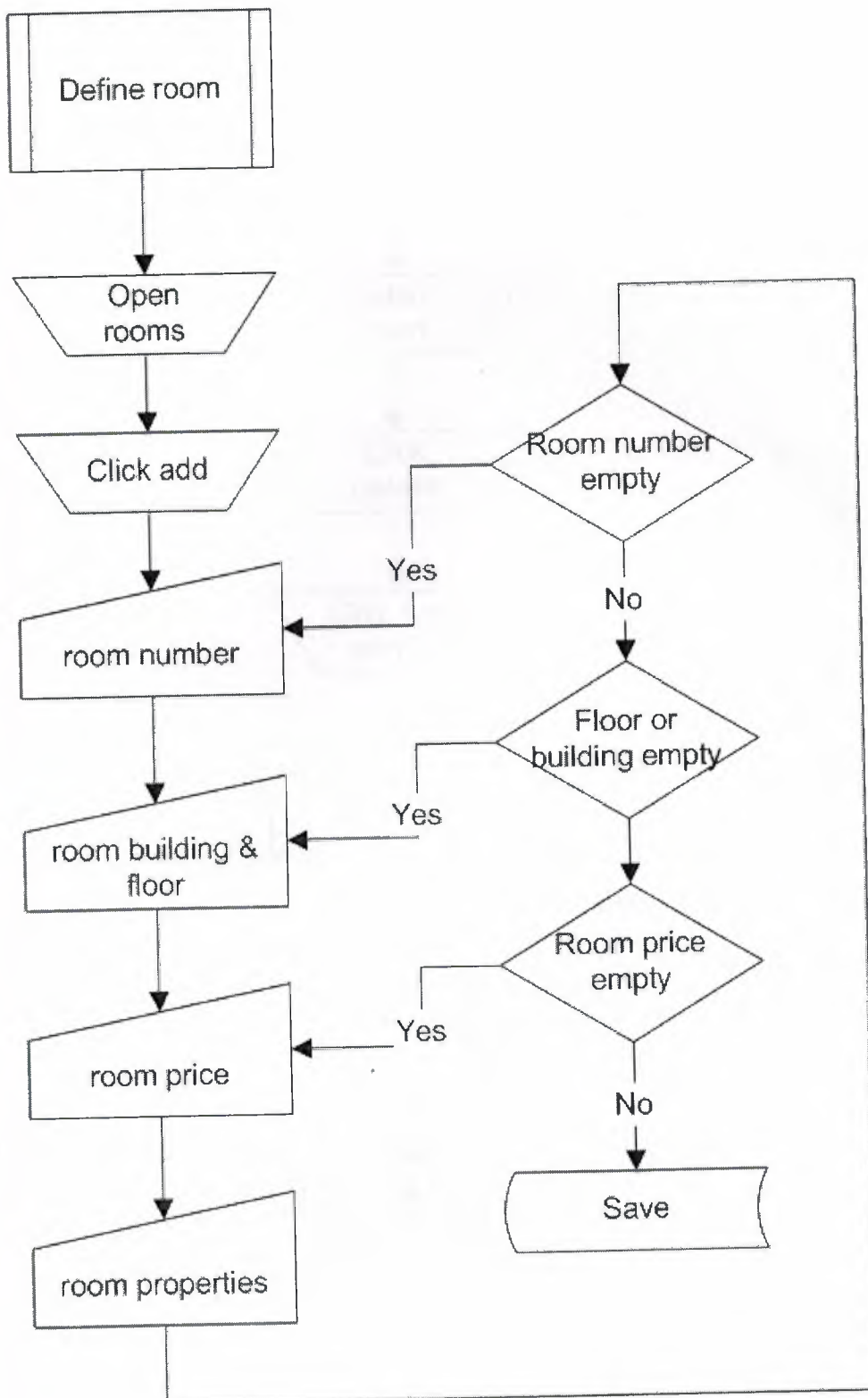


## *ROOM TYPES*

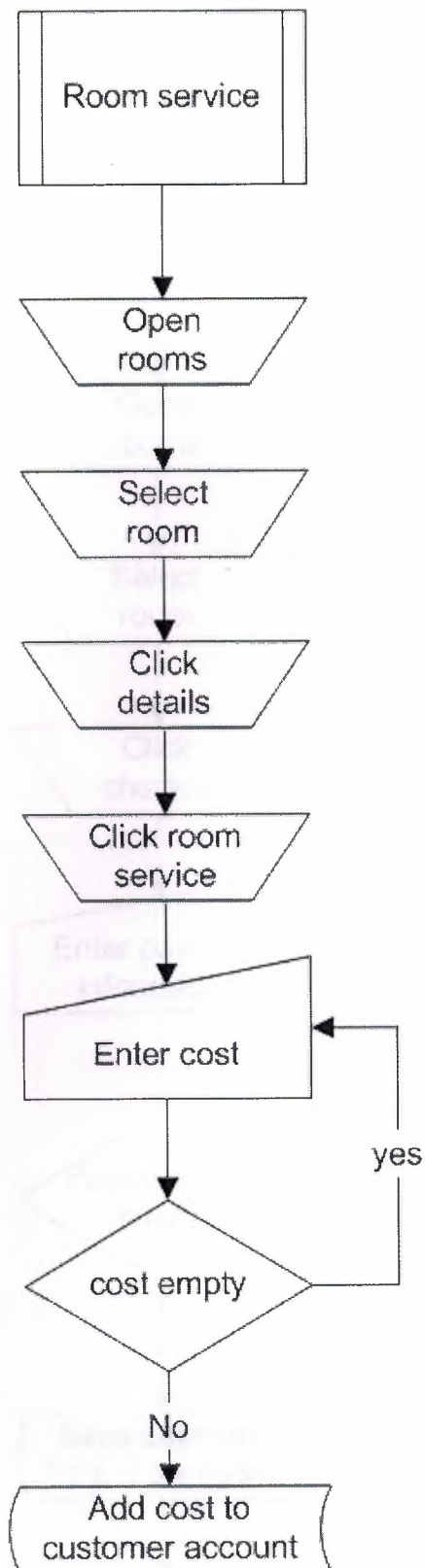




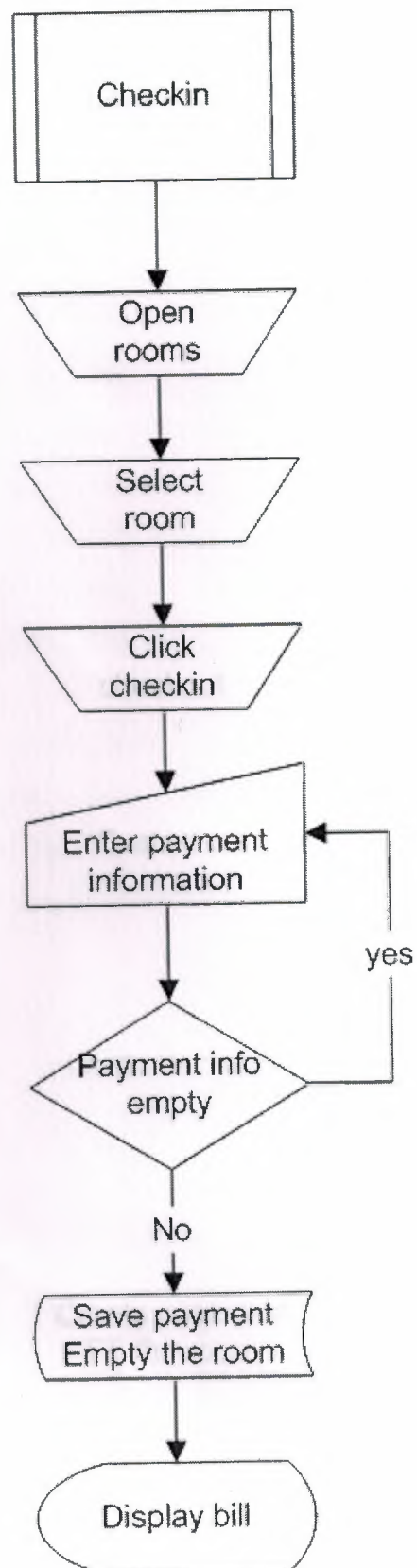
## ROOMS



## ***ROOM SERVICE***

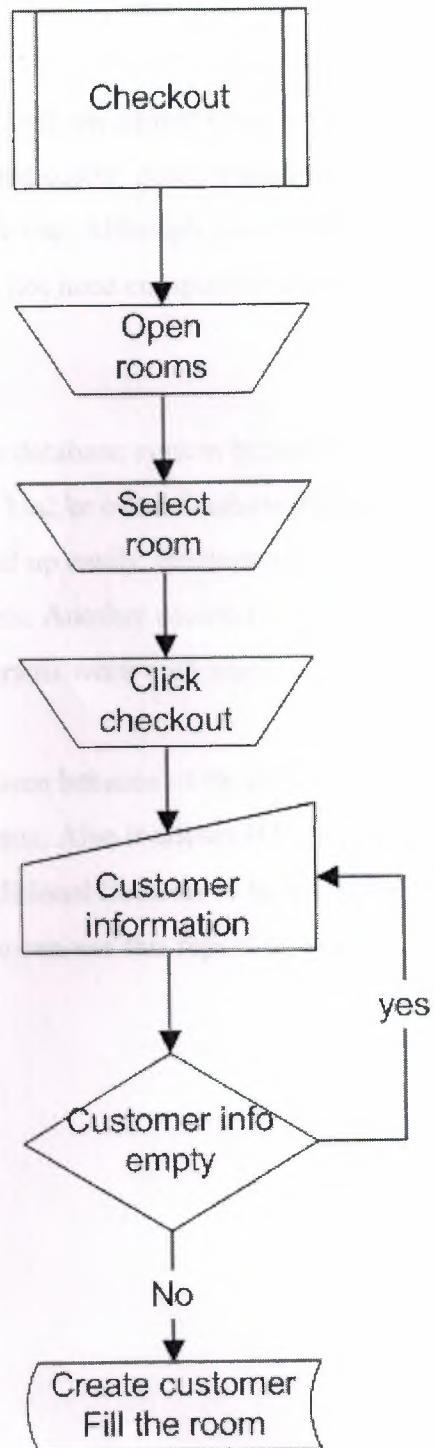


## *CHECK IN*





## CHECK OUT



## ***Language, Database, and Reporting Tool Selection***

Hotel Reservation System is written in Microsoft Visual Basic 6.0 and it uses Microsoft Access XP as database engine. Visual Basic is chosen because it has many advantages. First of all, Visual Basic programs work on almost every computer. Some computers require installation which can be created easily. Also, Visual Basic programs work reliable and stable, an important factor for real life use. Although Visual Basic is said to be slow, database applications of this scale does not need computational power a lot, therefore, speed will not be a problem.

Microsoft Access is chosen as database system because it does not require any application to be installed in users machine. Unlike other database systems, access works within a single file which can be moved or backed up easily. Because of the database scale, speed problems of Access will not cause problems. Another reason to choose Access was its ease of use within Visual Basic. These two programs work well together.

HTML Reports System is chosen because of its abilities. It can display record sets as reports without any need of adjustments. Also it allows HTML templates to be used. This system is open and does not require additional libraries to be used. There are two files, when these files are added to your project; you can use this reporting system

## Reference

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- 3- Carter John 'Database design and Programming' Mcgrawhill Book company 2003
- 4- Suraski, Zeev, "Basics of Visual Basic", edition No. 1, published by PEARSON, 2001
- 5- [www.access-programmers.com](http://www.access-programmers.com)
- 6- Callahan Evan 'Access 2003 visual basic' Microsoft published ,2003