Web Programming
Design a Hotel Website
Group Homework

Group Members:

Bahadır Enes AY - 20180808044

Mustafa Nur KANLI - 20180808010

Murat EŞ - 20180808027

Fatih Furkan AYDEMİR – 20190808043

1. Functionality Requirements

-Manager can create reservations, view reservations, view reservation details, edit reservation details

-Manager can extend reservation time, cancel a reservation

-Manager can view customers, customer details, customer notes

-Manager can take notes on customer and stay

-Manager can view rooms, view room details, view room rates and reviews, delete room reviews

-Manager can create/delete rooms and edit room details, edit room prices

-Manager can get a report for income for a period of time

-Manager can get a report of a customer

-Manager can search rooms, search empty rooms for a period of time

-Manager can create/delete users, view users

-Manager can view hotel occupancy for a period of time

-System records customer's first name, last name, phone number, e-mail

-System records customer's check-in, check-out dates

-System records customer reviews

-System records rooms, room details, room rates, room reviews

-System can give a report of income for a period of time

-System can give a report for a customer

-System records notes for customers

-System records reservations

-System records payment/income data

-Users can sign up and login to website

-Users can view room types, prices

-Users can make reservations, view reservations, cancel reservations, extend reservations

-Users can view room details, room rates, room reviews

-Users can pay online

-Users can make reviews about rooms and give a rate, users can edit, delete their own reviews

-Users can change their personal information

-There are 3 room status: booking rooms, booked rooms, empty rooms. When the reservation date comes the room automatically signed as booked room and deleted from booking rooms list.
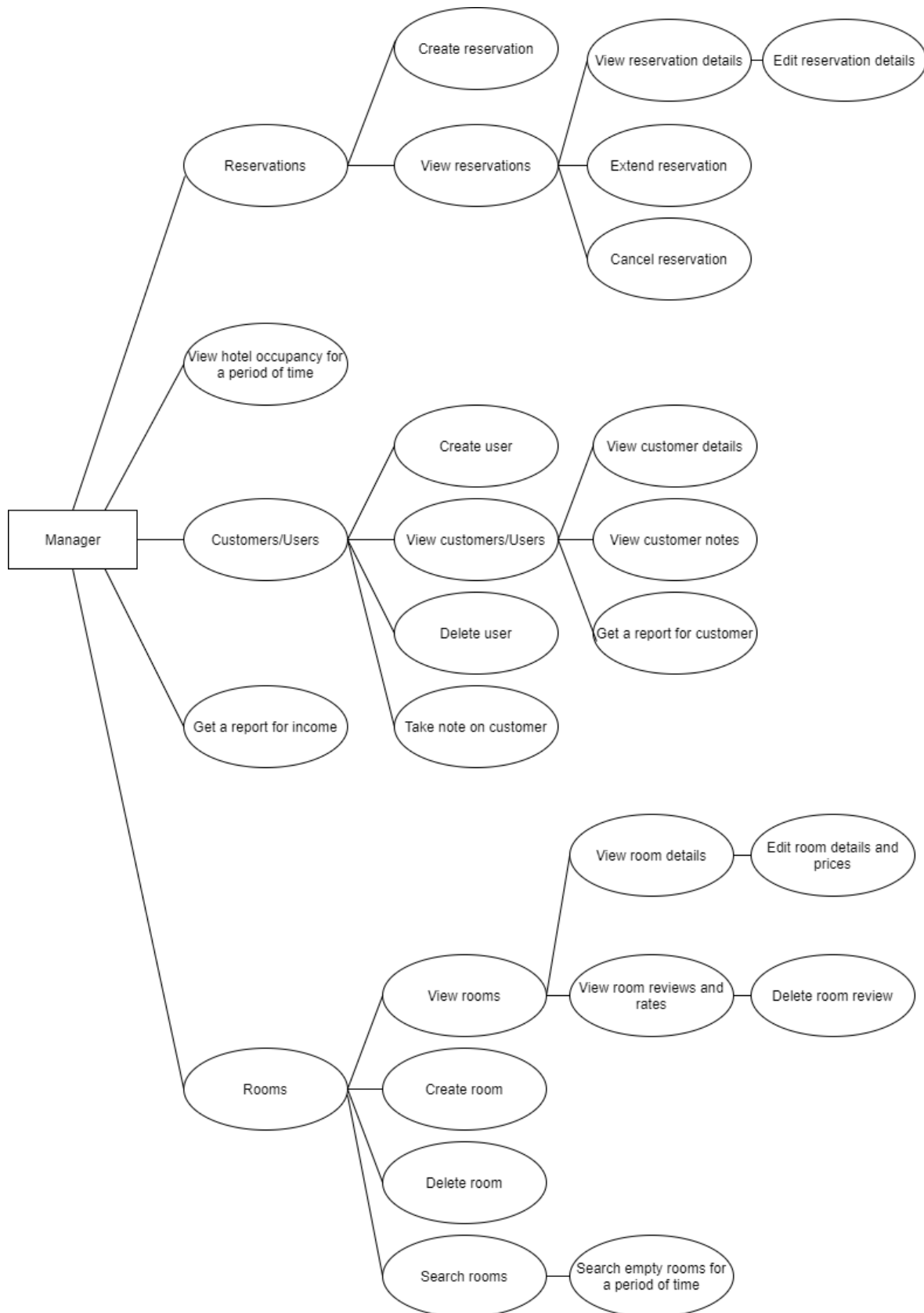
2. Use Case Models

2.1 Customer Use Case Model

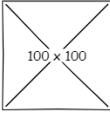**2.2 System Use Case Model**
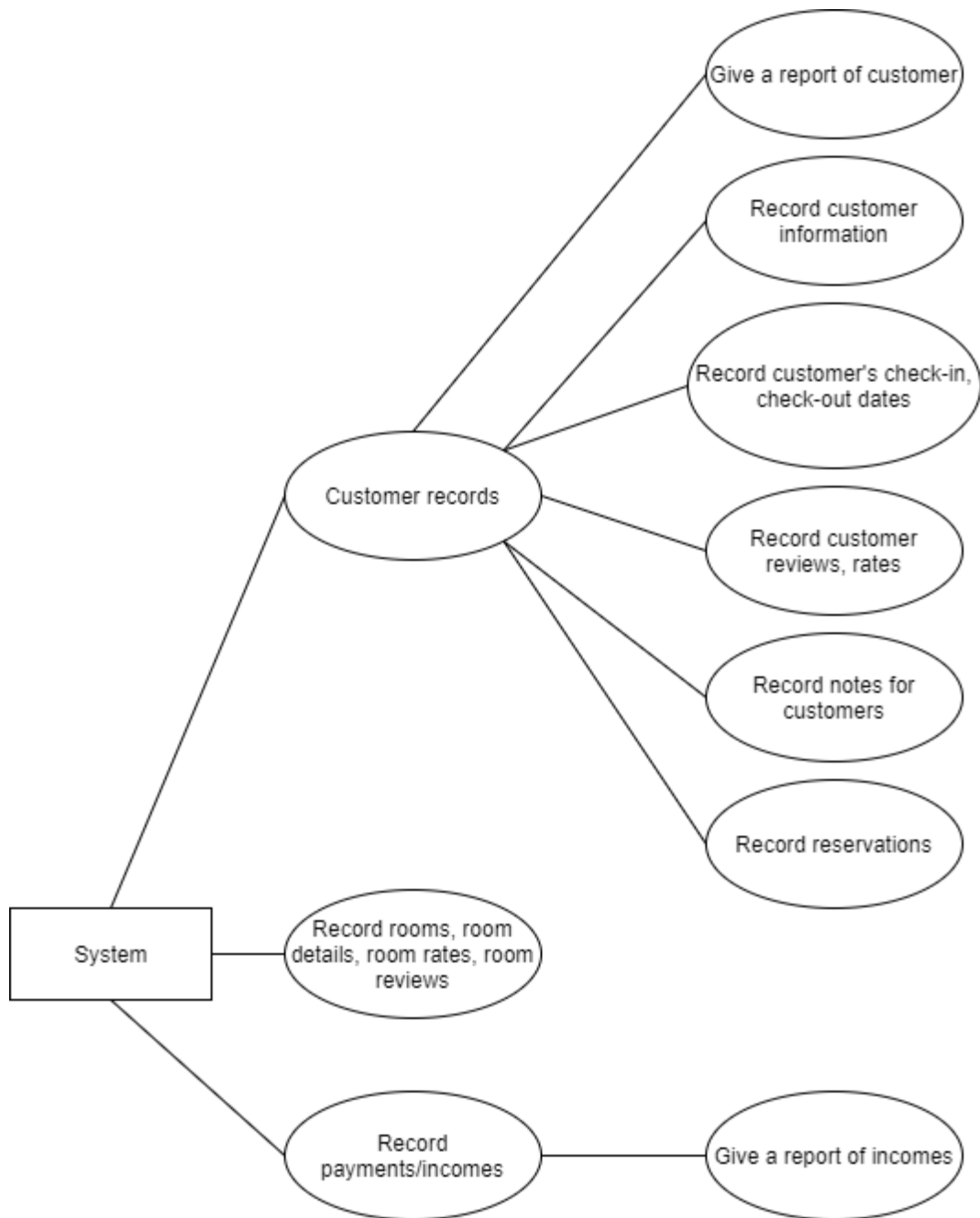
2.3 Manager Use Case Model

3. Wireframes

3.1 Home Page and Customer Pages

| 49 x 49 | **Lara Hotel** | | Home | Gallery | Rooms | Contact | ⊙ |

| 100 x 100 | VIP Room | | | | |
| | xxx Try/Day ★★★⯪☆ | | | | |

Select Room Type ▼   Select Number of Person ▼
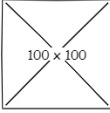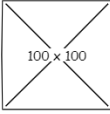
| 100 x 100 | Family Room | | | | |
| | xxx Try/Day ★★★⯪☆ | | | | |

Check-in Date ▼
AUG - 2016
S M T W T F Sa
31 1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31 1 2 3
4 5 6 7 8 9 10

Check-out Date ▼
AUG - 2016
S M T W T F Sa
31 1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31 1 2 3
4 5 6 7 8 9 10
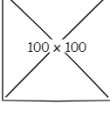
| 100 x 100 | Double Room | | | | |
| | xxx Try/Day ★★★⯪☆ | | | | |

| 100 x 100 | Single Room | | | | |
| | xxx Try/Day ★★★⯪☆ | | | | |

Book

| 49 x 49 | **Lara Hotel** | | Home | Gallery | Rooms | Contact | ⊙ |

You can contact with us these ways:

✉ mustafakanli98@gmail.com
furkanaydemir6@gmail.com
benes21@hotmail.com
murates.tr@gmail.com

📞 +90 123 456 78 90

📍 Lara / Antalya

VIP Rooms

★★★★★

Room Details

- ◉ City/Sea View
- ◉ Double Bed
- ◉ Shower
- ◉ Bathroom
- ◉ Room Services
- ◉ Balcony
- ◉ Satellite Channels
- ◉ Free Wifi
- ◉ Study Desk
- ◉ Telephone
- ◉ Mini Bar
- ◉ Terrace

450 Try per Day

[Book]

Family Rooms

★★★★½

Room Details

- ◉ City View
- ◉ Double Bed
- ◉ Shower
- ◉ Bathroom
- ◉ Room Services
- ◉ Satellite Channels
- ◉ Free Wifi
- ◉ Study Desk
- ◉ Telephone
- ◉ Single Bed

400 Try per Day

[Book]

DoubleRooms

★★★★½

Room Details

- ◉ City View
- ◉ Double Bed
- ◉ Shower
- ◉ Bathroom
- ◉ Room Services
- ◉ Satellite Channels
- ◉ Free Wifi
- ◉ Study Desk
- ◉ Telephone

250 Try per Day

[Book]

Single Rooms

★★★★½

Room Details

- ◉ City View
- ◉ Single Bed
- ◉ Shower
- ◉ Bathroom
- ◉ Room Services
- ◉ Satellite Channels
- ◉ Free Wifi
- ◉ Study Desk
- ◉ Telephone

150 Try per Day

[Book]

Gallery
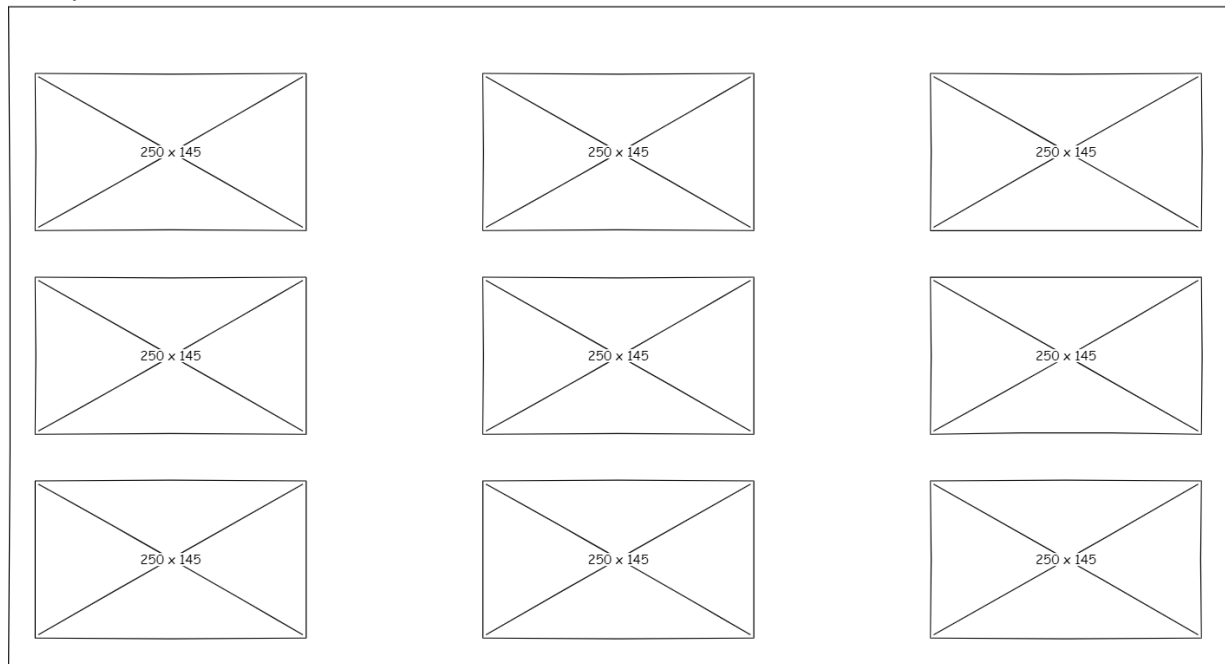
Gallery
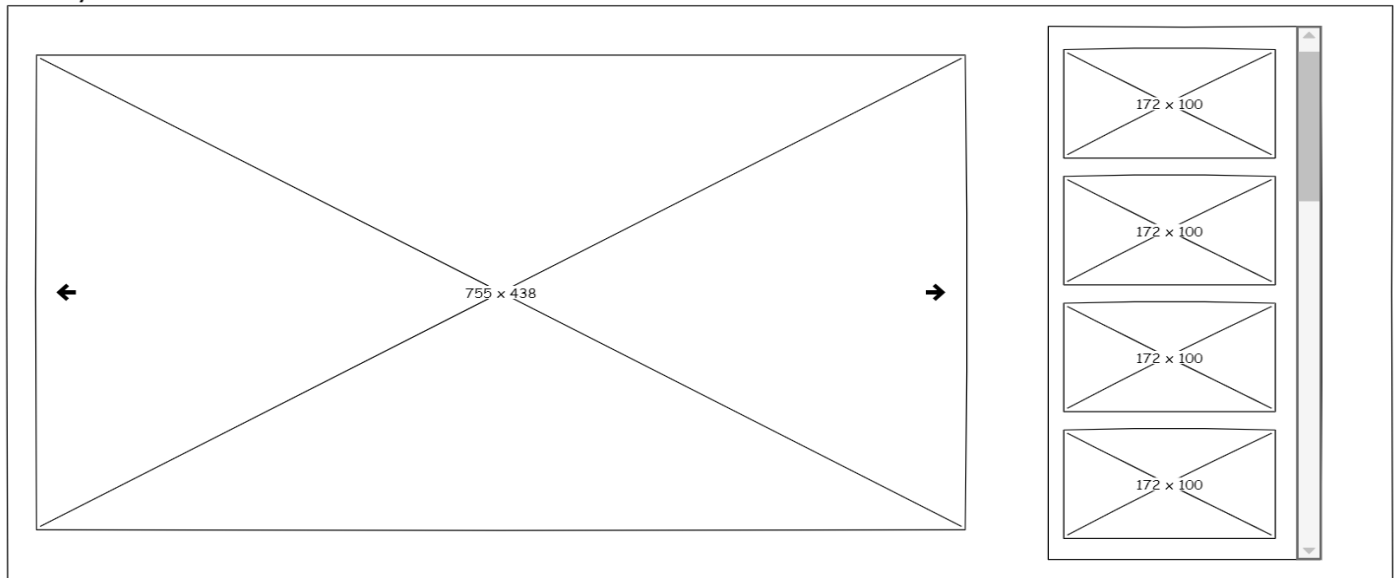
Customer Information

Name
| text |

Surname
| text |

Phone Number
| text |

E-mail
| text |

Payment Information

Name on the Card
| text |

Card Number
| text |

Date
| text |

CVC
| text |

Reservation Information
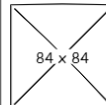
84 x 84

This room has; city and sea view, fhd tv and premium satellite channels, double bed, single bed, free wifi, shower, bathroom telephone, premium room services, mini bar, balcony, terrace

Details	
Check-in Date	01.01.2021
Check-out Date	07.01.2021
Room Type	Vip Room
Price	450 Try

Book Now

Customer Information

Name
text

Surname
text

Phone Number
text

E-mail
text

Reservation Information

84 x 84

This room has; city and sea view, fhd tv and premium satellite channels, double bed, single bed, free wifi, shower, bathroom telephone, premium room services, mini bar, balcony, terrace

01.01.2021
07.01.2021
Vip Room
450 Try

Booking   _ □ ✕

?   **Do you want to continue?**

Cancel   OK

Payment Information

Name on the Card
text

Date
text

Book Now

E-Mail
text

Password
****

Don't you have an account? **Create an account**

Login

Sign Up

Name

text

Surname

text

ID

text

Phone Number

text

E-mail

text

Password

****

- At least 8 characters - the more characters better
- A mixture of both uppercase and lowercase letters
- A mixture of numbers and letters
- Inclusion of at least one special character, e.g., ! @ # ?]
Note: Don't use < or > in your password, as both can cause problems in web browsers

Save

Account Details

Account Details

Reservations

Change Password

Name

text

Surname

text

ID

text

Phone Number

text

E-mail

text

Save Changes

Change Password

Account Details

Reservations

Change Password

Change Password

Old Password

`**********`

New Password

`**********`

New Password Again

`**********`

- At least 8 characters - the more characters better
- A mixture of both uppercase and lowercase letters
- A mixture of numbers and letters
- Inclusion of at least one special character, e.g., ! @ # ?]
Note: Don't use < or > in your password, as both can cause problems in web browsers

Save Changes

Account Details

Reservations

Change Password

Reservations
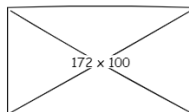
Reservation Continues
Family Room
01.01.2021-07.01.2021
2 days left

Extend/Cancel
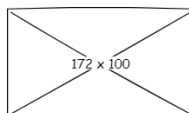
Reservation Ended
Double Room
01.01.2020-07.01.2020

See the Details

Reservations

Account Details

Reservations

Change Password

172 x 100

Reservation Continues
Family Room
01.01.2021-07.01.2021
2 days left

Select the new check-out date

text goes here ▼

◄		AUG - 2016				►
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Save

Cancel the Reservation

Reservations

Account Details

Reservations

Change Password

Reservation Continues

Cancel the Reservation   — □ ✕

? **Do you want to cancel the reservation?**
This step can not undo!

Cancel   **OK**

21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Save

Cancel the Reservation

Reservations

Reservation Continues

Extend the Reservation   _ □ ✕

? **Do you want to extend the reservation?**

Cancel   **OK**

21 22 23 24 25 26 27
28 29 30 31   1   2   3   Save   Cancel the Reservation
 4   5   6   7   8   9 10

Account Details

Reservations

Change Password

Reviews

Reviews

★★★★★   Very nice hotel   👤 Furkan Aydemir
        👍 👎   🗑 ✏

★★★★★   Very nice hotel   👤 Furkan Aydemir
        👍 👎   🗑 ✏

★★★★★   Very nice hotel   👤 Furkan Aydemir
        👍 👎   🗑 ✏

3.2 Admin/Manager Control Panel

Lara Hotel ☰   👤 ⋮

☰ Information
🔑 Change password
🔁 Logout

Mustafa KANLI

- 📊 Dashboard
- ☑ Bookings
- 🛏 Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management →
- ☰ Reports
- ⭐ Comments

Customers

$ Revenue 25000

👥 Customers 400

Weeks

$ Expense 5000

🏠 Rooms 250

⭐ Reviews 4.7

Lara Hotel ☰   👤 ⋮

Mustafa KANLI

- 📊 Dashboard
- ☑ Bookings
- 🛏 Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management →
- ☰ Reports
- ⭐ Comments

🏠 Total Rooms 250

🏠 Booking Rooms 50

🏠 Booked Rooms 100

🏠 Free Rooms 100

Room Id	Room Type	Customer Id	Customer Name	Customer Surname	Check-in Date	Check-out Date	Price(Try)
15	Family Room	123456	Bahadır	Ay	29.04.2021	03.05.2021	1850
55	VIP Room	456798	Fatih	Aydemir	04.05.2021	06.05.2021	1100
24	Single Room	133256	Murat	Eş	01.05.2021	07.05.2021	1200
63	Double Room	546789	Mustafa	KANLI	02.05.2021	02.05.2021	450
48	Single Room	456213	Enes	Ay	30.05.2021	02.06.2021	400
13	Single Room	159263	Furkan	Aydemir	05.05.2021	07.05.2021	350

Lara Hotel ☰ 👤⋮

👤 **Mustafa KANLI**

- 📊 Dashboard
- ☑ Bookings
- 🛏 Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management →
- ☰ Reports
- ⭐ Comments

🏠 **Total Rooms** 250

🏠 **Booking Rooms** 50

🏠 **Booked Rooms** 100

🏠 **Free Rooms** 100

Room Id	Room Type	Customer Id	Customer Name	Customer Surname	Check-in Date	Check-out Date	Price(Try)
68	Double Room	546789	Mustafa	KANLI	01.04.2021	01.04.2021	450
18	Family Room	123456	Bahadır	Ay	29.03.2021	03.04.2021	1850
25	Single Room	159263	Furkan	Aydemir	05.04.2021	07.04.2021	350
62	VIP Room	456798	Fatih	Aydemir	04.04.2021	06.04.2021	1100
43	Single Room	456213	Enes	Ay	30.03.2021	02.04.2021	400
29	Single Room	133256	Murat	Eş	01.04.2021	07.04.2021	1200

Lara Hotel ☰ 👤⋮

👤 **Mustafa KANLI**

- 📊 Dashboard
- ☑ Bookings
- 🛏 Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management →
- ☰ Reports
- ⭐ Comments

🏠 **Total Rooms** 250

🏠 **Booking Rooms** 50

🏠 **Booked Rooms** 100

🏠 **Free Rooms** 100

Room Id	Room Type	Floor	Door Number	Price
1	Single Room	2	201	250
4	Single Room	2	204	250
8	Single Room	2	208	250
9	Single Room	2	209	250
10	Single Room	2	210	250
13	Single Room	2	213	250
16	Single Room	2	216	250
17	Single Room	2	217	250
18	Single Room	2	218	250

Screen 1

Lara Hotel ☰

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management ↓
  - Rooms
  - Customers
  - Reservations
- Reports
- Comments

Total Rooms	Booking Rooms	Booked Rooms	Free Rooms
250	50	100	100

Add new room

Room Id	Room Type	Floor	Door Number	Price	Status	Edit / Delete
1	Single Room	2	201	250	Empty	✏ ✖
2	Single Room	2	202	250	Full	✏ ✖
3	Single Room	2	203	250	Full	✏ ✖
4	Single Room	2	204	250	Full	✏ ✖
5	Single Room	2	205	250	Empty	✏ ✖
6	Single Room	2	206	250	Empty	✏ ✖
7	Single Room	2	207	250	Full	✏ ✖
8	Single Room	2	208	250	Empty	✏ ✖
9	Single Room	2	209	250	Full	✏ ✖

Screen 2

Lara Hotel ☰

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management
  - Rooms
  - Customers
  - Reservations
- Reports
- Comments

Total Rooms	Booking Rooms	Booked Rooms	Free Rooms
250	50	100	100

Cancel ✖

Edit Photos ✏ ✖

257 x 150

Choose Room Type
text goes here ▼

Choose Floor
text goes here ▼

Choose Door Number
text goes here ▼

Choose Status
text goes here ▼

Write Price
text

Save

4	Single Room	2	204	250	Full	✏ ✖
5	Single Room	2	205	250	Empty	✏ ✖
6	Single Room	2	206	250	Empty	✏ ✖
7	Single Room	2	207	250	Full	✏ ✖
8	Single Room	2	208	250	Empty	✏ ✖
9	Single Room	2	209	250	Full	✏ ✖

Screen 1

Lara Hotel

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management ↓
  - ● Rooms
  - ○ Customers
  - ○ Reservations
- Reports
- Comments

Add Image

Drop files here...
+

Select Room Type
text goes here ▼

Select Services
text goes here ▼

Write Price
text

Select Floor
text goes here ▼

Select Door Number
text goes here ▼

Save

Screen 2

Lara Hotel

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management ↓
  - ○ Rooms
  - ● Customers
  - ○ Reservations
- Reports
- Comments

Total Customers 850

In the hotel 400

Out the hotel 450

≡+ Add new customer

Customer Id	Customer Name	Customer Surname	Customer Phone Number	Status	Total Payments (Try)	Remaining Days	Edit / Delete
123456	Bahadır	Ay	+90 123546879	In	4500	6	✏ ✖
456879	Enes	Ay	+90 15687465	Out	1650	0	✏ ✖
546534	Fatih	Aydemir	+90 1235879	In	12500	3	✏ ✖
564879	Furkan	Aydemir	+90 1564897	In	900	1	✏ ✖
156484	Murat	Eş	+90 1554632	In	4800	7	✏ ✖
895156	Mustafa	KANLI	+90 1564879	Out	9800	0	✏ ✖

Lara Hotel — Mustafa KANLI

Navigation:
- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management ↓
  - ○ Rooms
  - ● Customers
  - ○ Reservations
- Reports
- Comments

Dashboard cards

Total Customers	In the hotel	Out the hotel
850	400	450

Add new customer

Cancel ✕

Edit Id	Select status
text	text goes here ▼

Edit name	Edit remaining days
text	text

Edit surname	
text	

Edit phone number	
text	

Save

						Remaining Days	Edit / Delete
564879	Furkan	Aydemir	+90 1564897	In	900	1	✏ ✕
156484	Murat	Eş	+90 1554632	In	4800	7	✏ ✕
895156	Mustafa	KANLI	+90 1564879	Out	9800	0	✏ ✕

Lara Hotel — Mustafa KANLI

Navigation:
- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management ↓
  - ○ Rooms
  - ● Customers
  - ○ Reservations
- Reports
- Comments

Add Customer

Cancel ✕

Edit Id	Select status
text	text goes here ▼

Edit name	Edit mail
text	text

Edit surname	Edit remaining days
text	text

Edit phone number	
text	

Save

Screen 1

Lara Hotel ☰ 👤⋮

👤 **Mustafa KANLI**

- 📊 Dashboard
- ☑️ Bookings
- 🛏️ Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management ↓
  - ⭕ Rooms
  - ⭕ Customers
  - ⬤ Reservations
- ☰ Reports
- ⭐ Comments

📄 **Total Reservations**
450

☰+ Add new reservation

Reservation Id	Customer Name	Customer Surname	Room Id	Check-in Date	Check-out Date	Price (Try)	Edit / Delete
4568	Bahadır	Ay	14	01.04.2021	02.04.2021	250	✏️ ❌
4579	Enes	Ay	48	06.04.2021	08.04.2021	850	✏️ ❌
5634	Fatih	Aydemir	53	29.03.2021	01.04.2021	1500	✏️ ❌
5489	Furkan	Aydemir	28	03.03.2021	04.03.2021	450	✏️ ❌
1684	Murat	Eş	17	07.04.2021	10.04.2021	750	✏️ ❌
8915	Mustafa	KANLI	64	06.04.2021	06.04.2021	850	✏️ ❌

Screen 2

Lara Hotel ☰ 👤⋮

👤 **Mustafa KANLI**

- 📊 Dashboard
- ☑️ Bookings
- 🛏️ Booked Rooms
- 🏠 Empty Rooms
- 📶 Hotel Management ↓
  - ⭕ Rooms
  - ⭕ Customers
  - ⬤ Reservations
- ☰ Reports
- ⭐ Comments

📄 **Total Reservations**
450

Edit Reservation Cancel ❌

Select check-in date
Check-in Date ▼

AUG - 2016 ◄ ►
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Select check-out date
Check-out Date ▼

AUG - 2016 ◄ ►
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Select room
Room ▼

Save

5489	Furkan	Aydemir	28	03.03.2021	04.03.2021	450	✏️ ❌
1684	Murat	Eş	17	07.04.2021	10.04.2021	750	✏️ ❌
8915	Mustafa	KANLI	64	06.04.2021	06.04.2021	850	✏️ ❌

Screen 1 — Add Reservation

Lara Hotel

☰   👤 ⋮

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management   ↓
  - ○ Rooms
  - ○ Customers
  - ● Reservations
- Reports
- Comments

Add Reservation   Cancel ⊗

Name
`text`

Phone Number
`text`

Surname
`text`

Room Id
`text`

Check-in date
`text goes here` ▼

◄		AUG - 2016				►
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Check-out date
`text goes here` ▼

◄		AUG - 2016				►
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

[Save]

Screen 2 — Reports

Lara Hotel

☰   👤 ⋮

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management   →
- Reports
- Comments

Total Reports
45

≡₊ Get a new report

Report Id	Starting Date	End Date	Revenue	Expense	Total Customer	Total Rooms	Empty Roms	Full Rooms	Delete
4568	01.03.2021	02.04.2021	85000	25000	150	400	250	150	⊗
4579	06.02.2021	08.04.2021	155000	50000	400	400	220	180	⊗
5634	29.01.2021	01.02.2021	15000	4500	20	400	370	30	⊗
5489	03.01.2021	25.03.2021	95000	15000	155	400	304	96	⊗
1684	07.11.2020	10.12.2020	75000	25000	98	400	316	84	⊗
8915	06.10.2020	06.011.2020	98000	35000	89	400	370	30	⊗

Screen 1

Lara Hotel

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management →
- Reports
- Comments

Total Reports

45

New report　　　　　　　　　　Cancel ⊗

Select start date

Select start date ▼

AUG - 2016
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Select end date

Select end date ▼

AUG - 2016
S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Save

Get a new report

							Full Rooms	Delete
							150	⊗
							180	⊗
							30	⊗
							96	⊗
1684	07.11.2020	10.12.2020	75000	25000	98	400	316	84	⊗
8915	06.10.2020	06.011.2020	98000	35000	89	400	370	30	⊗

Screen 2

Lara Hotel

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management →
- Reports
- Comments

Total Comments

150

Average of Rates

4.78

★★★★★　Very nice hotel, there are beautiful views　👤 Fatih Aydemir
👍 👎 🗑

★★★★★　Very nice hotel　👤 Furkan Aydemir
👍 👎 🗑

★★★★★　Very nice hotel　👤 Bahadır Ay
👍 👎 🗑

★★★★☆　Very nice hotel　👤 Enes Ay
👍 👎 🗑

★★★★☆　Very nice hotel　👤 Murat Eş
👍 👎 🗑

Mustafa KANLI

- Dashboard
- Bookings
- Booked Rooms
- Empty Rooms
- Hotel Management →
- Reports
- Comments

Mustafa KANLI

Birth Date: 05.05.1990

Phone number: +90 123546879

Mail: mustafakanli98@gmail.com