

## SNAPSHOTS OF THE APPLICATION

The following are the important snapshots taken from the application.

1. The homepage of the application displayed to users.

The screenshot shows the homepage of the 'HOTEL BOOKING' application. At the top, there is a navigation bar with the logo on the left, and links for HOME, LOGIN, REGISTER, and CONTACTS in the center. On the right, a red button displays a phone icon and the number 128683134. Below the navigation bar is a large banner image of a hotel lobby. Underneath the banner is a search section titled 'Search hotels'. It contains a text input field with 'Atlanta', two date pickers set to '2017-12-26' and '2017-12-28', and a dropdown menu showing '1'. A blue 'Find Hotel' button is to the right of the dropdown. At the bottom, there is a dark footer section. On the left is the logo and the text 'One of the best and hassle free booking system.' and 'United States, Chicago'. In the center, under 'Quick Links', are links for 'Contact Us', 'About Us', and 'Complaints'. On the right, under 'We Are Global', is a world map.

2. The homepage with search bar where the user is searching for the hotel (auto-predictive too)

This screenshot shows the same homepage as the first one, but with search results displayed in the search bar. The text input field now contains 'n', and a dropdown menu shows three suggestions: 'New Castle', 'New York', and 'Newline Continental'. The date pickers and the 'Find Hotel' button remain the same. The footer section is also visible at the bottom, showing the logo, navigation links, and the 'We Are Global' section with a world map.

- The list of hotels displayed once the search is done.

Filters

Search Query:

Atlanta

Check In:

2017-12-26

Check Out:

2017-12-28

Required Room:

1

Min Price:

0

Max Price:


9999999

Rating:

-1

Refine

Hotel List




FACADE

Premium Luxury for Getaway

Price: 300.0

Rating: 3.8




SERENIS

Eat, Relax and Enjoy

Price: 500.0

Rating: 3.95



AMIRA GRAND

Premium Luxury for Getaway

Price: 250.0

Rating: 4.1

- Once the user land on this page the user can view hotels based on filters displayed on the left hand side of the application.

Filters

Search Query:

Atlanta

Check In:

2017-12-26

Check Out:

2017-12-28

Required Room:

1

Min Price:

100

Max Price:


300

Rating:

3

Refine

Hotel List




FACADE

Premium Luxury for Getaway

Price: 300.0

Rating: 3.8




AMIRA GRAND


Premium Luxury for Getaway

Price: 250.0

Rating: 4.1

5. Login page for customer.



HOME  LOGIN REGISTER CONTACTS 

128683134

Login


Email

govindmaheshwari94@gmail.com


Password

\*\*\*\*\*

Login



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6. If you are not a registered customer, you need to first register yourself as a customer and enter your details to register yourself.



HOME  LOGIN REGISTER CONTACTS 

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Create Account

Email Id


Mobile Number

Passsword

Register



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7. The about us page of the application with contact details.



HOME  LOGIN REGISTER CONTACTS


128683134

TELEPHONE NO


128683134

ADDRESS

City Hall  
121 N. LaSalle Street  
Chicago, Illinois 60602




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8. The customers can give reviews to the hotel based on their experience during their stay.

AMIRA GRAND



Premium hotel in the heart of the city!

Book Room

☒ Grand for 250.0

Book Now

Review

Amazing Hotel with Great Service

4

Submit

9. Once the review has been submitted by the customer, it can be seen added to the list where the reviews are displayed. If initially there are no reviews given to the hotel it displays “No reviews”.

#### AMIRA GRAND



Premium hotel in the heart of the city!

#### Book Room

Grand for 250.0

Book Now

#### Review

Give Review

Amazing Hotel with Great Service

Rating 4

10. Once the user selects a hotel it can book it. So to book you need to enter the details like I the below page and click on booking. Customer can also add promotional codes to get discount on their booking. The promo codes are shown in a carrousel.



HOME

LOGOUT

MY ACCOUNT

CONTACTS

128683134

Hotel

AMIRA GRAND

Rooms

2

Check In

2017-12-26

Check Out

2017-12-27

Name

Govind Maheshwari

Mobile

6122035678

Promo Code PROMO2

Confirm Booking

Total Price 500.0


**Bonus Offer**

**\$50 off**

Avail discount of 50 USD.  
Use code PROMO2

REDEEMABLE AT:  
Code PROMO2

11. When the booking is confirmed. It displays a message to the user.



HOME ▾LOGOUTMY ACCOUNTCONTACTS128683134

Success!Booking confirmed

Hotel

AMIRA GRAND

Check In

2017-12-26

Name

Enter guest name

Promo Code

Get Discount

Confirm Booking

Total Price500.0

Rooms

2


Check Out

2017-12-27

Mobile

Enter Mobile number

12. The customer can view the newly generated booking in their accounts. The customer bookings from previous times are also displayed here.




HOME ▾LOGOUTMY ACCOUNTCONTACTS128683134

Available Redeemed Points

1

Bookings

Hotel	Check In Date	Check Out Date	Room Type	No of Rooms	Price	Discount	Redeemed Price	Billing Amount
AMIRA GRAND	2017-12-26	2017-12-27	Grand	2	500.0	50.0	0	450.0



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13. Now, if you login as a staff the following page is displayed where they can perform various actions.


 HOTEL  
BOOKING

HOME LOGOUTMANAGEMENTMY ACCOUNTCONTACTS128683134


---

Hotel List


---



CONGRESS PLAZA  
*Located in the Chicago Loop, Congress Plaza Hotel is 600 metres from the Chicago Board of Trade Building and Willis Tower. The hotel features 23 meeting and event spaces for all group sizes and complimentary WiFi throughout the property.*  
Price: 718.0Rating: 4.0



HYATT REGENCY MCCORMICK PLACE  
*Chicago McCormick Place Hotel on the Waterfront*  
Price: 400.0Rating: 4.4




INN OF CHICAGO

14. The staff member can add a hotel image along with the other information like prices of the rooms displayed earlier, also it can add new rooms to hotels.

Hotel Info

---



Delete Image

Choose File

No file chosen

Add Image

---

Price Management

250.0

Grand

50

Delete Price

Add New Price

Room Name

15. Once the hotel information is given, the staff can click on update to save the changes.

**Overview:**

Premium Luxury for Getaway

**Display Price:**

250.0

**Address:**

123 SEA ROAD

**Area:**

ATLANTA

**City:**

ATLANTA

**Country:**

USA

**Check In Time:**


12:00

**Check Out Time:**

10:00

Update Hotel

16. If the user logs in with the admin credentials the following page is displayed.

 **HOTEL**  
BOOKING

HOME ▾ LOGOUT MANAGEMENT MY ACCOUNT CONTACTS

128683134

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts


Staff Management

Manage Promo

Analytics

Trending


## Hotel List



### CONGRESS PLAZA

Located in the Chicago Loop, Congress Plaza Hotel is 600 metres from the Chicago Board of Trade Building and Willis Tower. The hotel features 23 meeting and event spaces for all group sizes and complimentary WiFi throughout the property.

Price: 718.0 Rating: 4.0



### HYATT REGENCY MCCORMICK PLACE

Chicago McCormick Place Hotel on the Waterfront

Price: 400.0 Rating: 4.4



17. Admin can add a new hotel with all the details. Once the information is given the admin can click on save to save the new hotel which will be displayed in the hotel list.

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts

Staff Management

Manage Promo

Analytics

Trending

Hotel Main Image

Choose FileSafari-Court...el-Pool.jpg

Hotel Name:

Mariott

Overview Summary:

Nice Hotel in heart of Downtown

Overview:

Great view with Amazing Food





Display Price:

360


Address:

chicago

18. New hotel being displayed in the hotel list.

	<div>AMIRA GRAND</div> <div>Premium Luxury for Getaway</div> <div>Price: 250.0</div> <div>Rating: 4.05</div>
	<div>NEWLINE CONTINENTAL</div> <div>Premium Hotel in the heart of New York Downtown</div> <div>Price: 350.0</div> <div>Rating: 4.3</div>
	<div>NEW CASTLE</div> <div>Cheap, Superior and All Luxury</div> <div>Price: 150.0</div> <div>Rating: 3.8</div>
	<div>MARIOTT</div> <div>Nice Hotel in heart of Downtown</div> <div>Price: 360.0</div> <div>Rating: 0.0</div>

19. Admin can even delete a hotel. If the admin selects a hotel it will be deleted from the hotel list displayed.



HOME LOGOUTMANAGEMENTMY ACCOUNTCONTACTS128683134

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts

Staff Management


Manage Promo

Analytics

Trending

Hotel deleted successfully


Hotel List



CONGRESS PLAZA

Located in the Chicago Loop, Congress Plaza Hotel is 600 metres from the Chicago Board of Trade Building and Willis Tower. The hotel features 23 meeting and event spaces for all group sizes and complimentary WiFi throughout the property.

Price: 718.0Rating: 4.0

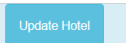


HYATT REGENCY MCCORMICK PLACE

Chicago McCormick Place Hotel on the Waterfront

Price: 400.0Rating: 4.4

20. Admin also the feature to add users (customers, staff, admins). Along at the end the entire user list is displayed where the admin can delete or update a particular user details.



HOME LOGOUTMANAGEMENTMY ACCOUNTCONTACTS128683134

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts

Staff Management

Manage Promo

Analytics

Trending

User List

Add User

Email:

Password:

Mobile:

Role: ☐ Admin ☐ Staff ☒ Customer

Add Member

Email	Role	Mobile	Action
admin@admin.com	Admin	979788	<div>DeleteUpdate</div>
govindmaheshwari94@gmail.com	Customer	612-203-4100	<div>DeleteUpdate</div>
salcha@gmail.com	Staff	312456523434	<div>DeleteUpdate</div>
rohanj.0606@gmail.com	Customer	65576576576	<div>DeleteUpdate</div>

21. This is how a admin can add new customer/admin/staff to give access to the application.

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts

Staff Management

Manage Promo

Analytics

Trending

HOME

LOGOUT

MANAGEMENT

MY ACCOUNT

CONTACTS

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User List

Add User

Email:

demo

Password:

demo

Mobile:

123456789

Role:

☐ Admin

☐ Staff

☒ Customer

Add Member

22. Admin can add promotional codes from time to time for the application. Add the image to be displayed as promotional code reference for customers and add the value of discount and save changes.

Update Hotel

Add Hotel

Delete Hotel

Delete Accounts

Staff Management

Manage Promo

Analytics

Trending

HOME

LOGOUT

MANAGEMENT

MY ACCOUNT

CONTACTS

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SPECIAL OFFER

\$10 off

Special Offer

10% OFF

10% OFF

10

Delete Image

Bonus Offer

\$50 off

Bonus Offer

50% OFF

50% OFF

50

Delete Image

Promo Image

Choose File

PROMO.jpg

Promo Code:

PROMO3

Discount Amount:

30

Add Promo

23. Once the promo code is added it will be shown on the same page.

[HOME](#)
[LOGOUT](#)
[MANAGEMENT](#)
[MY ACCOUNT](#)
[CONTACTS](#)
+ 128683134

Update Hotel
Add Hotel
Delete Hotel
Delete Accounts
Staff Management
Manage Promo
Analytics
Trending

SPECIAL OFFER

\$10 off

Special Offer

Available at:

About \$10 off base code  
PROMO

10

Delete Image

Bonus Offer

\$50 off

Bonus Offer

Available at:

About \$50 off base code  
PROMO

50

Delete Image

099XX1

30

Delete Image

Promo Image

Choose File No file chosen

Promo Code:


Promo Code

Discount Amount:


summary

Add Promo

24. Admin has the facility to view the chart generated with the information that can benefit them to keep track of application and their sales.




[HOME](#)
[LOGOUT](#)
[MANAGEMENT](#)
[MY ACCOUNT](#)
[CONTACTS](#)


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ANALYTICS PART

Chart 1 - Hotel Name vs Room Count

Chart 2 - Total Sales of Hotels



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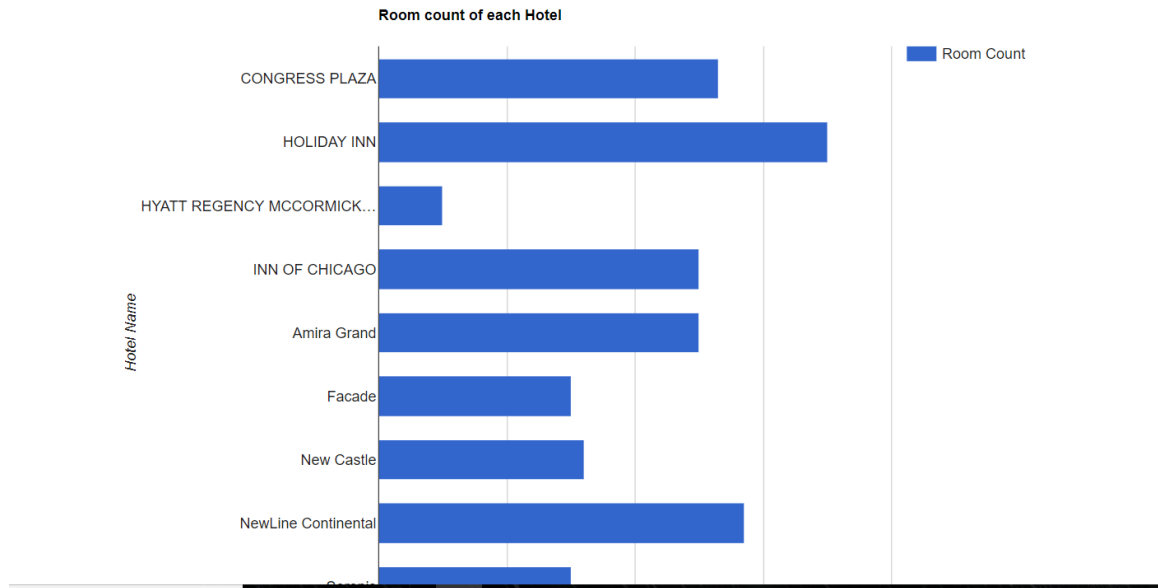
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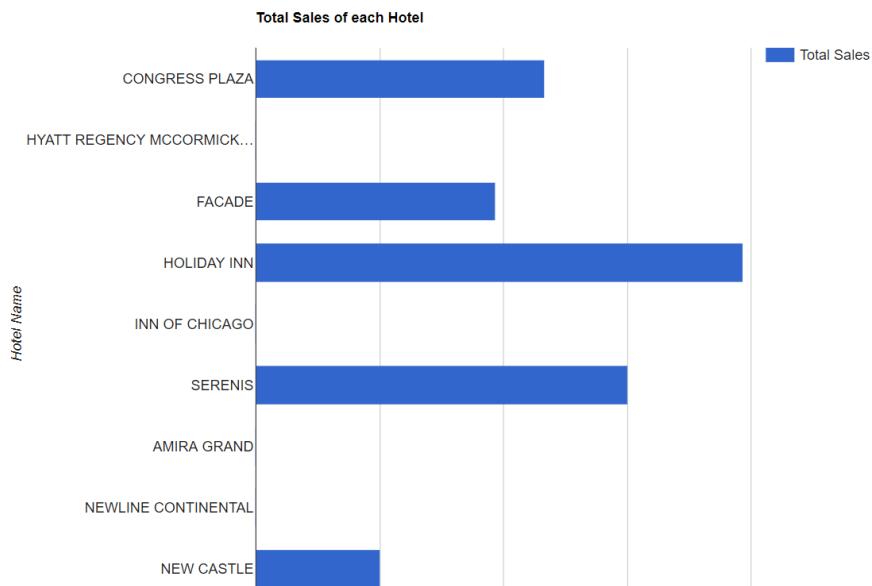
25. Chart 1 – Displays the count of rooms in hotels that are enlisted in the application.

CHART 1 - HOTEL VS ROOM COUNT





26. Chart 2 – Shows the sales of each hotel in totality.

CHART 2 - TOTAL SALES OF EACH HOTELS



27. Admin also can be benefitted from, if they view some trending data based on their application usage by customers.




HOME LOGOUTMANAGEMENTMY ACCOUNTCONTACTS

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TRENDING PART

Top 5 Hotel based on cheap rate

Most popular hotel based on the rating



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28. Table 1 – Shows the top 5 hotels on the basis of the cheaper rates that customers prefer.




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TOP 5 HOTEL BASED ON CHEAP RATE

Hotel Name	Hotel Rate
Holiday Inn	\$140.00
New Castle	\$150.00
Amira Grand	\$250.00
Inn oF Chicago	\$300.00
Facade	\$300.00



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29. Table 2 – Shows how the customers have rated hotels and based on that an average rating has been calculated and displayed here in a fashion of highest-lowest (Top 5 hotels).

#### TOP 5 POPULAR HOTELS BASED ON THE RATING

Hotel Name	Rating
Holiday Inn	4.8
INN OF CHICAGO	4.6
HYATT REGENCY MCCORMICK PLACE	4.4
Newline Continental	4.3
Amira Grand	4.1



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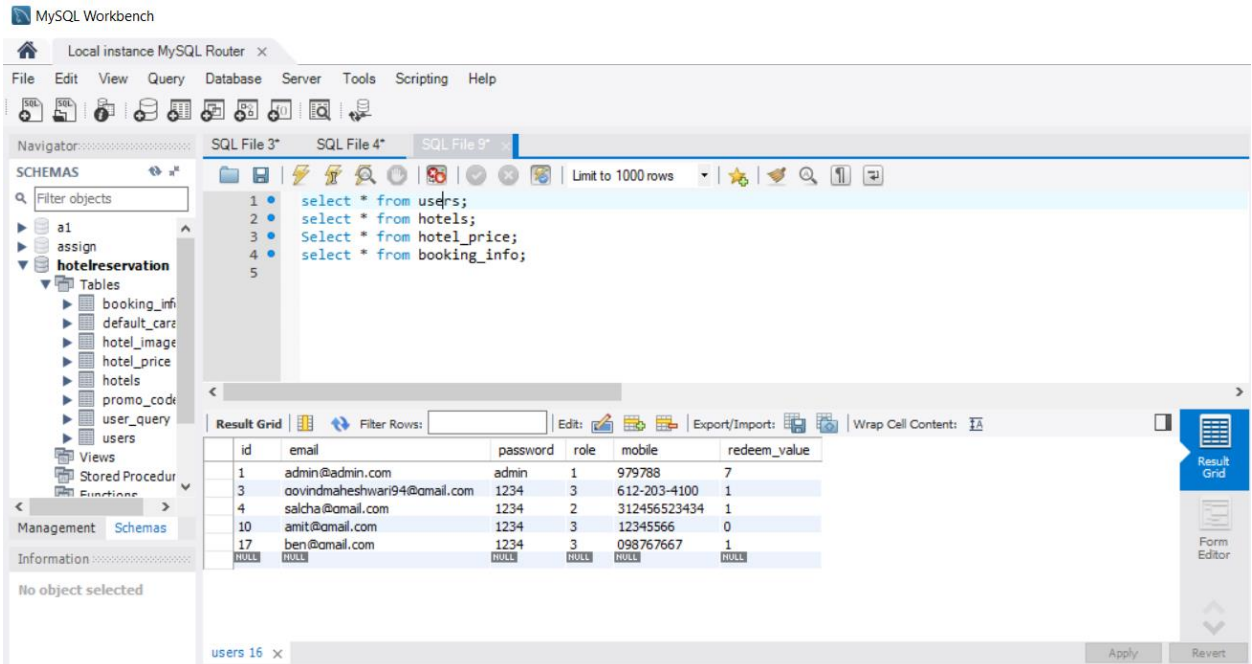
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30. MySQL "users" table for storing customer/admin/staff login.



The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'hotelreservation' database selected. The main window shows a SQL query editor with the following queries:

```

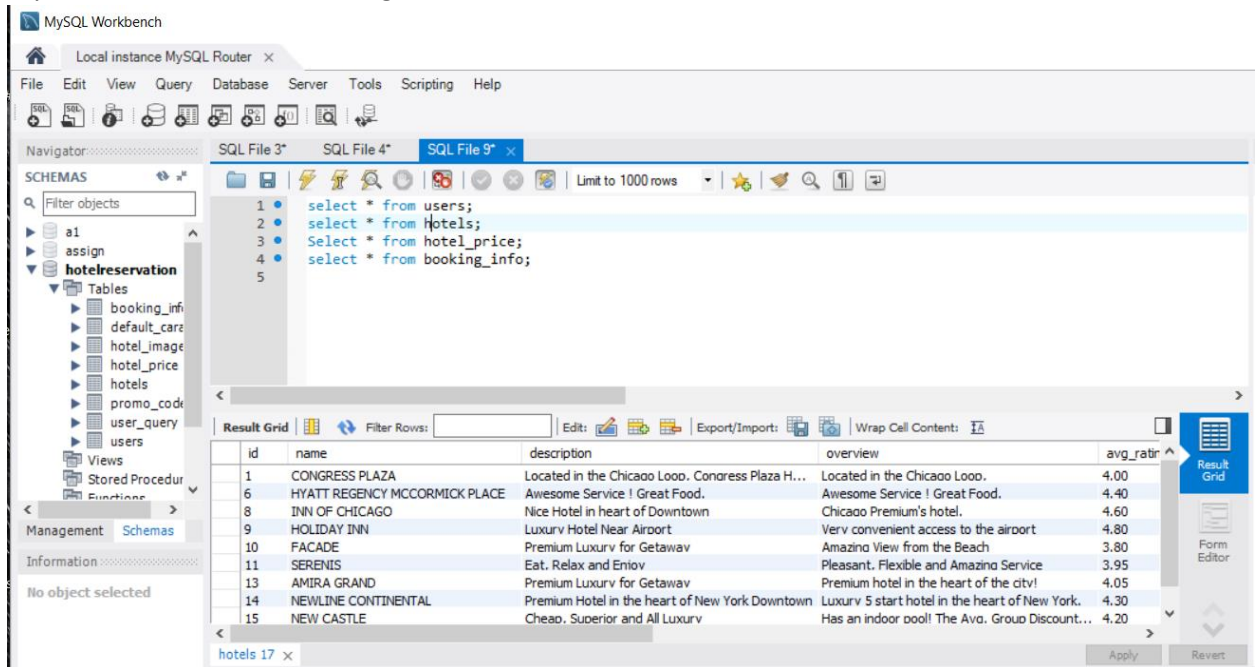
1 select * from users;
2 select * from hotels;
3 select * from hotel_price;
4 select * from booking_info;
5

```

The 'Result Grid' at the bottom displays the results of the first query, showing the 'users' table with the following data:

id	email	password	role	mobile	redeem_value
1	admin@admin.com	admin	1	979788	7
3	oovindmaheshwan94@gmail.com	1234	3	612-203-4100	1
4	salcha@gmail.com	1234	2	312456523434	1
10	amit@gmail.com	1234	3	12345566	0
17	ben@gmail.com	1234	3	098767667	1
HULL	HULL	HULL	HULL	HULL	HULL

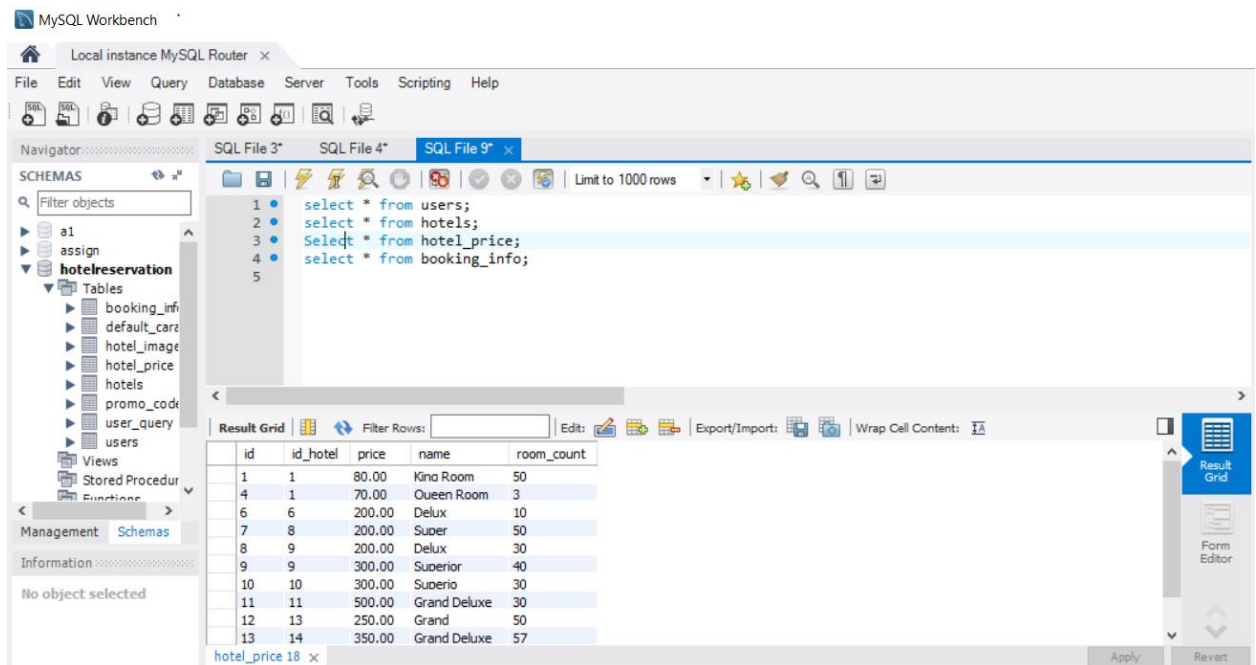
### 31. MySQL "hotels" table for storing hotel information.



The screenshot shows the MySQL Workbench interface with the 'hotelsreservation' database selected. The 'hotels' table is displayed in the Result Grid. The table has 5 columns: id, name, description, overview, and avg\_rating. The data is as follows:

id	name	description	overview	avg_rating
1	CONGRESS PLAZA	Located in the Chicago Loop, Congress Plaza H...	Located in the Chicago Loop...	4.00
6	HYATT REGENCY MCCORMICK PLACE	Awesome Service ! Great Food.	Awesome Service ! Great Food.	4.40
8	INN OF CHICAGO	Nice Hotel in heart of Downtown	Chicago Premium's hotel.	4.60
9	HOLIDAY INN	Luxury Hotel Near Airport	Very convenient access to the airport	4.80
10	FACADE	Premium Luxury for Getaway	Amazing View from the Beach	3.80
11	SERENIS	Eat, Relax and Enjoy	Pleasant, Flexible and Amazing Service	3.95
13	AMIRA GRAND	Premium Luxury for Getaway	Premium hotel in the heart of the city!	4.05
14	NEWLINE CONTINENTAL	Premium Hotel in the heart of New York Downtown	Luxury 5 star hotel in the heart of New York.	4.30
15	NEW CASTLE	Cheap, Superior and All Luxury	Has an indoor pool! The Avo. Group Discount...	4.20

### 32. MySQL "hotel\_price" table which has information regarding hotel prices, room count, id.



The screenshot shows the MySQL Workbench interface with the 'hotelsreservation' database selected. The 'hotel\_price' table is displayed in the Result Grid. The table has 5 columns: id, id\_hotel, price, name, and room\_count. The data is as follows:

id	id_hotel	price	name	room_count
1	1	80.00	Kino Room	50
4	1	70.00	Queen Room	3
6	6	200.00	Delux	10
7	8	200.00	Super	50
8	9	200.00	Delux	30
9	9	300.00	Superior	40
10	10	300.00	Superio	30
11	11	500.00	Grand Deluxe	30
12	13	250.00	Grand	50
13	14	350.00	Grand Deluxe	57



### 33. MySQL "booking\_info" which store new booking information

MySQL Workbench

Local instance MySQL Router x

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 3\* SQL File 4\* SQL File 9\* x

Filter objects

SCHEMAS

Filter objects

al

assign

hotelreservation

Tables

booking\_info

default\_car

hotel\_image

hotel\_price

hotels

promo\_code

user\_query

users

Views

Stored Procedure

Functions

Management Schemas

Information

No object selected

1 select \* from users;  
2 select \* from hotels;  
3 select \* from hotel\_price;  
4 select \* from booking\_info;  
5

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content: FA

id	id_user	id_hotel	id_price	room_count	check_in	check_out	totalPrice	bookingDate	guest_name	guest_mobile	redeem
16	1	9	9	1	2017-12-18	2017-12-20	600.00	2017-12-02	Amit Gupta	1234567812	0
17	1	1	1	1	2017-12-28	2017-12-29	80.00	2017-12-02	Govind Maheshwari	987654123	0
18	1	15	14	1	2017-12-06	2017-12-07	150.00	2017-12-02	Rohan Jain	678906124	0
19	1	11	11	1	2017-12-15	2017-12-16	500.00	2017-12-02	Saloni	123456124	0
20	1	10	10	1	2018-01-04	2018-01-05	300.00	2017-12-02	Demo	123321123	0
21	1	1	1	2	2017-12-15	2017-12-17	320.00	2017-12-02	demo1	12875359	0
29	17	15	14	1	2017-12-25	2017-12-26	150.00	2017-12-02	Rohan	123456789	0
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

bookings info 19 x

Apply Revert

### 34. MongoDB for storing user reviews.

C:\Program Files\MongoDB\Server\3.4\bin\mongo.exe

```
{ "_id" : ObjectId("5a231eedf3bc038d4eb539a1"), "id" : "14", "rating" : "4.0", "review" : "Must Visit!" }
{ "_id" : ObjectId("5a2325400375b43004631e6b"), "id" : "11", "rating" : "4.0", "review" : "Nice hotel with great facilities" }
{ "_id" : ObjectId("5a232a790375b43004631e6c"), "id" : "13", "rating" : "4", "review" : "Amazing Hotel with Great Service" }
{ "_id" : ObjectId("5a2342700375b43004c3adc8"), "id" : "15", "rating" : "4.0", "review" : "Amazing Service" }
{ "_id" : ObjectId("5a2346eb0375b43004c3adc9"), "id" : "15", "rating" : "4.0", "review" : "Great Service ! Must visit." }
> db.ReviewCollection.find()
{ "_id" : ObjectId("5a1f149f5f03dc491495f430"), "id" : "1", "rating" : "5.0", "review" : "Nice Hotel" }
{ "_id" : ObjectId("5a21bd2ceebb7f55b9f34dcf"), "id" : "1", "rating" : "4", "review" : "Amazin Hotel" }
{ "_id" : ObjectId("5a21bd57eebb7f55b9f34dd0"), "id" : "1", "rating" : "4.0", "review" : "Amazin Hotel" }
{ "_id" : ObjectId("5a21bd64eebb7f55b9f34dd1"), "id" : "2", "rating" : "4.0", "review" : "Amazin Hotel" }
{ "_id" : ObjectId("5a21ce7485f4833c044aa178"), "id" : "1", "rating" : "2", "review" : "Good Ambiance" }
{ "_id" : ObjectId("5a21d3a485f4833c044aa179"), "id" : "1", "rating" : "4.0", "review" : "Nice Service" }
{ "_id" : ObjectId("5a21f753f3bc038d4eb5399c"), "id" : "6", "rating" : "4.0", "review" : "Amazin Hotel" }
{ "_id" : ObjectId("5a21f79bf3bc038d4eb5399d"), "id" : "8", "rating" : "3.0", "review" : "Nice Hotel" }
{ "_id" : ObjectId("5a21f7a6f3bc038d4eb5399e"), "id" : "9", "rating" : "5.0", "review" : "Amazing view" }
{ "_id" : ObjectId("5a231eb2f3bc038d4eb5399f"), "id" : "15", "rating" : "5.0", "review" : "Great Hotel and Service!" }
{ "_id" : ObjectId("5a231ecd3bc038d4eb539a0"), "id" : "14", "rating" : "5.0", "review" : "Great Hotel and Service!" }
{ "_id" : ObjectId("5a231eedf3bc038d4eb539a1"), "id" : "14", "rating" : "4.0", "review" : "Must Visit!" }
{ "_id" : ObjectId("5a2325400375b43004631e6b"), "id" : "11", "rating" : "4.0", "review" : "Nice hotel with great facilities" }
{ "_id" : ObjectId("5a232a790375b43004631e6c"), "id" : "13", "rating" : "4", "review" : "Amazing Hotel with Great Service" }
{ "_id" : ObjectId("5a2342700375b43004c3adc8"), "id" : "15", "rating" : "4.0", "review" : "Amazing Service" }
{ "_id" : ObjectId("5a2346eb0375b43004c3adc9"), "id" : "15", "rating" : "4.0", "review" : "Great Service ! Must visit." }
{ "_id" : ObjectId("5a234dcd0375b43004c3adca"), "id" : "15", "rating" : "5.0", "review" : "Nice Service" }
```

Output