

**HOTEL MANAGEMENT SYSTEM**  
**FINAL PROJECT REPORT**  
**B.TECH-Information Technology**  
**SUBMITTED FOR THE COURSE:**  
**OPEN SOURCE PROGRAMMING**  
**ITE1008**

**SLOT: C1+TC1**

**FACULTY: PROF. SUMANGALI K.**



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

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**(18BIT0027)**

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# PROBLEM STATEMENT

This project aims at computerizing hotel booking system which helps users' pre book their hotels hassle free. Each user will have unique login credentials, through which the user logs in to the website he or she can book their room and price for the room will be automatically generated based on the season and type of the room. The user can also post any query in the contact us page. The user can also give feedback once they have booked their room. This system of hotel booking makes it easy for both user and the admin/hotel owner to manage his/her bookings. The admin can also delete, update and add new bookings and also see the feedback given by the users. All in all such a system makes life easy by collecting all data on a database and hence no problem of handling bills and receipts.

# REQUIREMENT SPECIFICATIONS

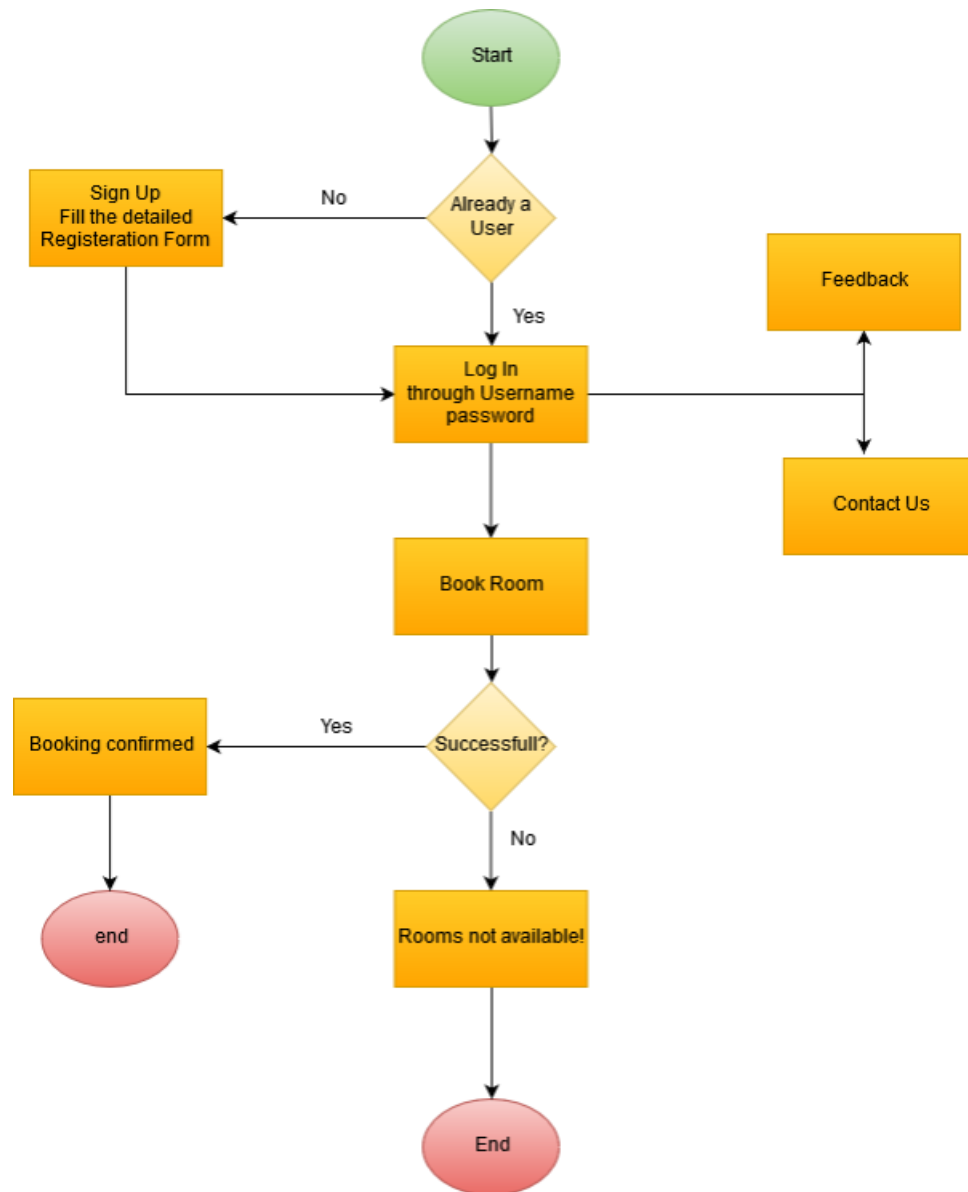
## **1) Server**

I have used WAMP server to run apache server on the local machine to run PHP code. It is basically local host. It is open source free software. It is the local server which provides suitable environment for testing MYSQL AND PHP on local computer before uploading it on the web.

## **2) Database**

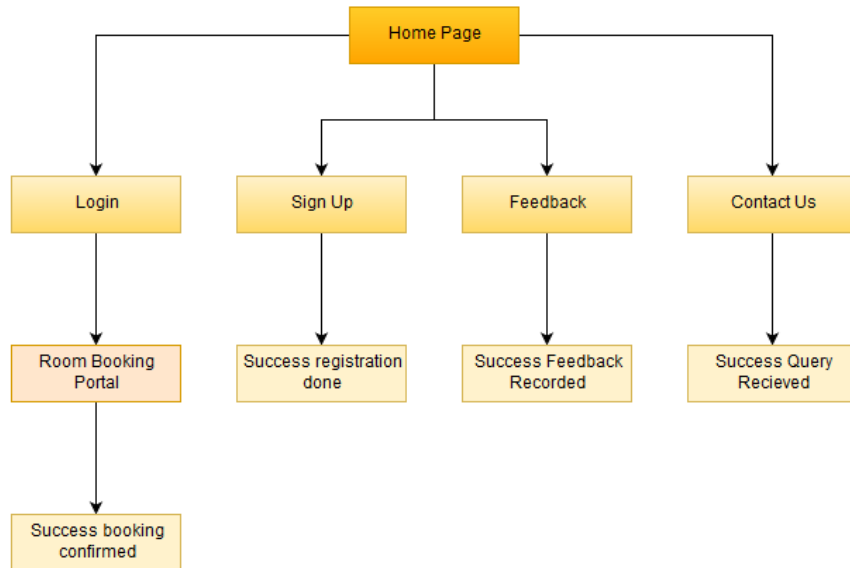
Database connectivity is provided through MySQL queries and PHPmyadmin is used to access the database.

# ARCHITECTURE

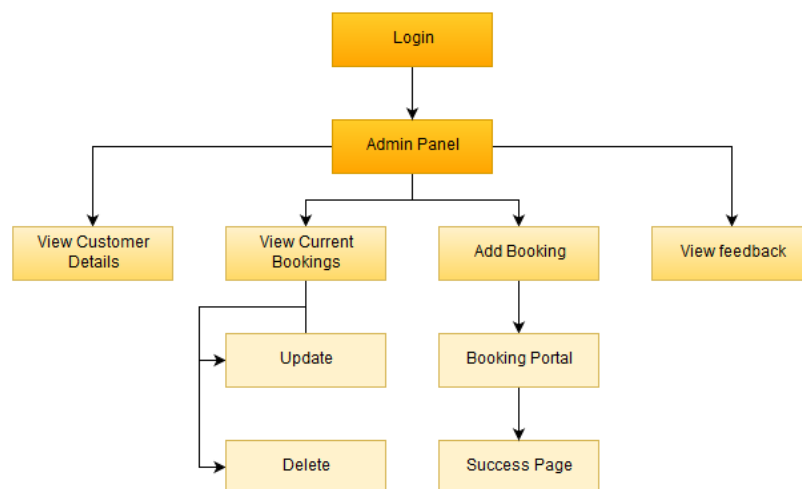


# NAVIGATION DAIGARAM

## USER NAVIGATON DIAGRAM:



## ADMIN NAVIGATION DIAGRAM:



# DETAILED DESIGN

## USER:

- 1) **Home page:** Gives the user option to Login/Sign up. It also contains links to feedback and Contact Us forms.
- 2) **Login:** Allows user to login to their account, the customer s then directly lands on his/her hotel room booking portal.
- 3) **Sign up:** Allows the user to Sign Up and get registered to the Hotel Booking Portal.
- 4) **Hotel Room Booking Portal:** Customer is required to enter room specifications through a form, once confirmed the customer is directed to the booking confirmed page.
- 5) **Feedback:** The customers can give their Feedback.
- 6) **Contact Us:** The users can mail their queries using the website portal.

## **ADMIN:**

**1) Login/Home:** The admin has to login to his/her portal. Once done, he/she is directed to the admin panel.

**2) Admin Panel:** The Admin Panel contains the following options:

- a. View Customer details:** It will show the details of all the registered customers.
- b. View Bookings:** All the current bookings are shown in a tabular format.
  - i. Delete:** The user can delete existing booking on customer request.
  - ii. Update:** The user can update existing booking on customer request.
- c. Add New Booking:** The Admin can add a new booking on the request of some customer. On clicking on this tab the admin is directed to the admin booking portal.
- d. View feedback:** The admin can view the feedback given by various customers.



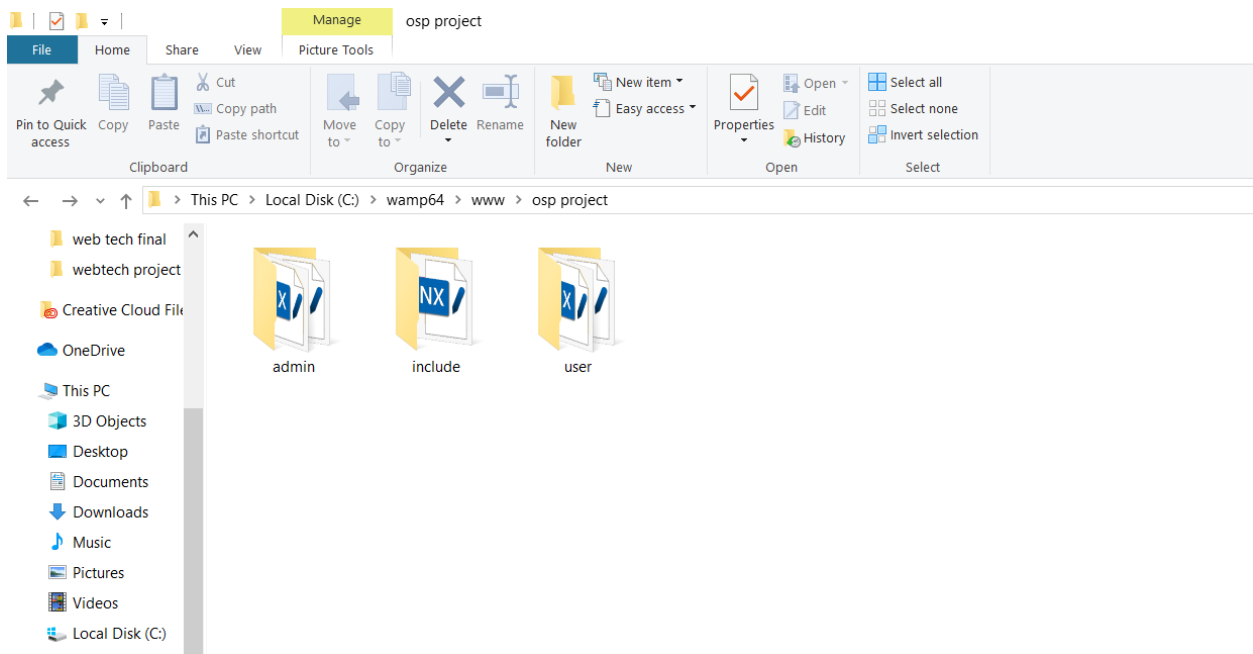
# IMPLEMENTATION

## CODE:

Complete code can be retrieved through this Google drive link:

<https://drive.google.com/drive/folders/1tWDRbCbEN0zyAyGia2lGOi7pgXtY3Ec1?usp=sharing>

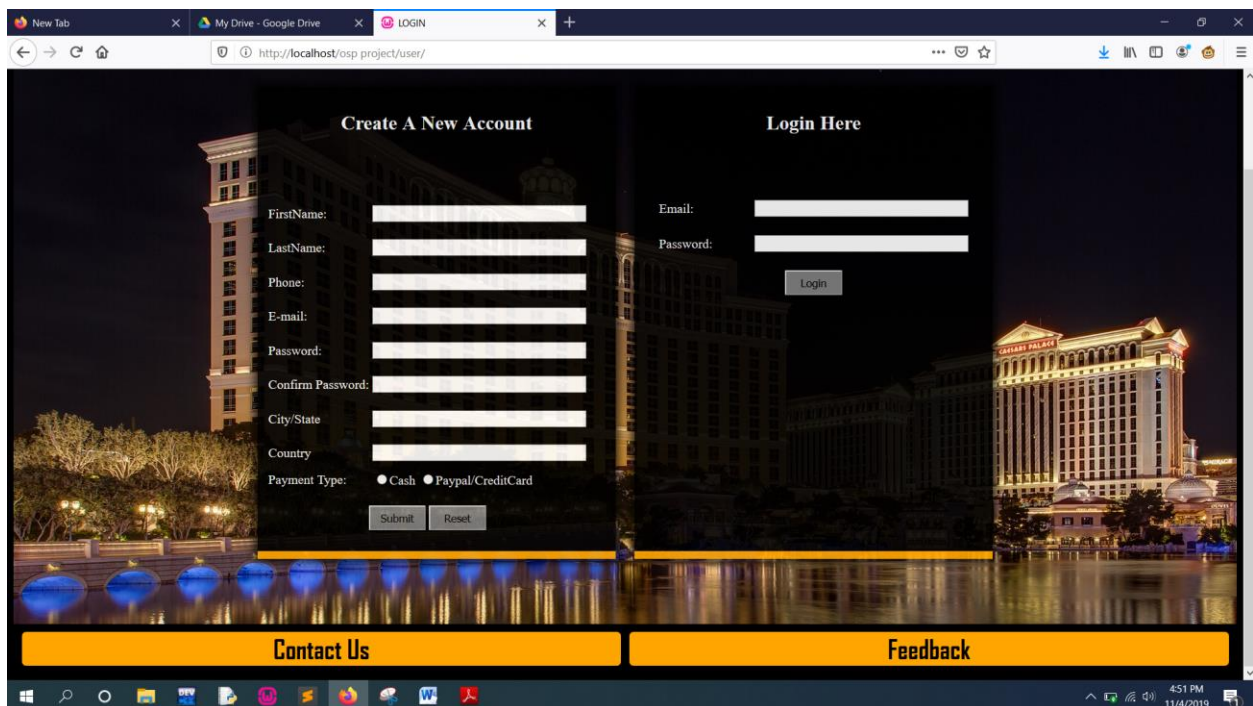
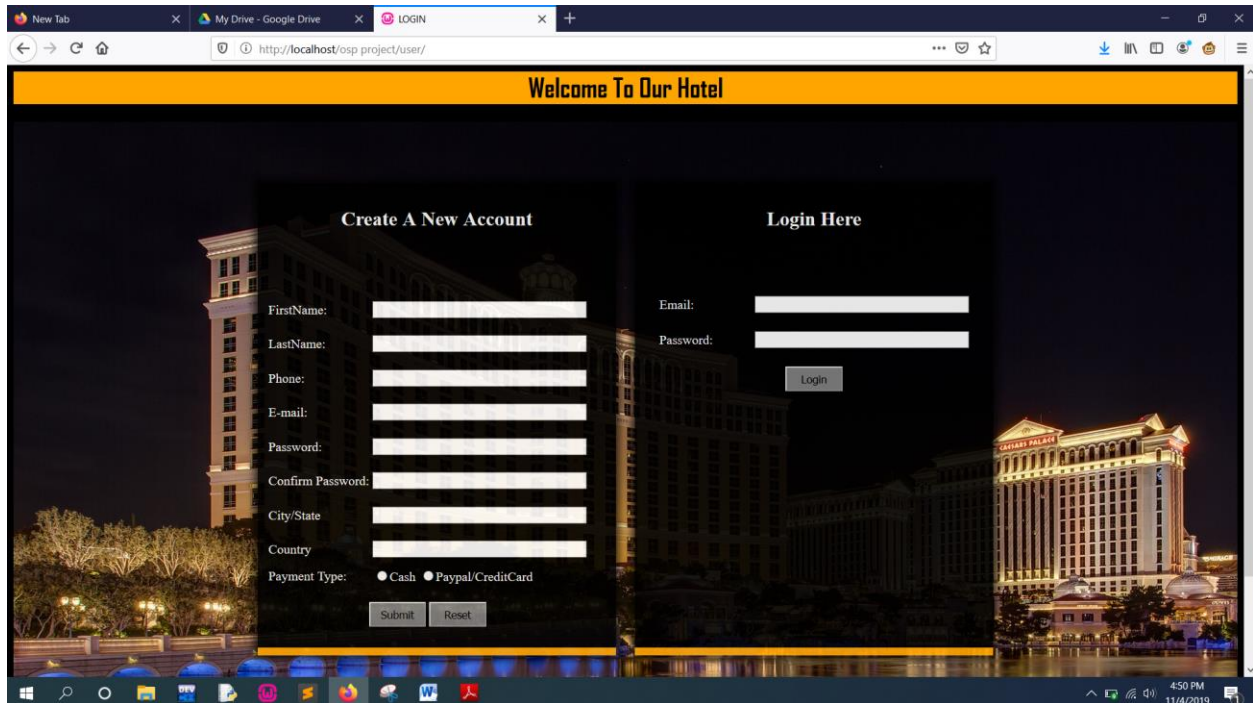
The folder has the following sub folders:



# SNAPSHOTS:

## USER

## Home:



## Hotel Room Booking Portal:

The screenshot shows a web browser window with the title "BOOKING PORTAL" and the URL "localhost/assignment/registration.php". The page has a yellow header with the text "Book Your Room". The background image shows a hotel room with a large bed and a view of the ocean. A dark overlay contains the following text and form fields:

Welcome anjali56@gmail.com !

Check in Date

Check out Date

Room Type

Price per Room Rs.00

No. of Guest per Room

No. of Rooms

Total Amount To Pay

## Success Booking Confirmed:

The screenshot shows a web browser window with the title "SUCCESS BOOKING" and the URL "localhost/assignment/success.php". The page has a yellow header with the text "BOOK YOUR ROOM". The background image shows the same hotel room. A dark overlay contains the following text:

Your BOOKING IS **CONFIRMED**  
You will be contacted soon.

THANK YOU for choosing us!!

At the bottom, there are two yellow buttons: "Contact Us" and "Feedback".

## Feedback:

FEEDBACK

localhost/assignment/Feedback.php

**Feedback**

Name:  Enter your name  
**Name field is empty!**

E-mail Id:  Enter your email id

Feedback:

Submit

**GO TO LOGIN**

3:20 PM 11/4/2019

## Success Feedback:

SUCCESS-FEEDBACK

localhost/assignment/feedbacksuccess.php

**FEEDBACK**

Your FEEDBACK was **REGISTERED** successfully!

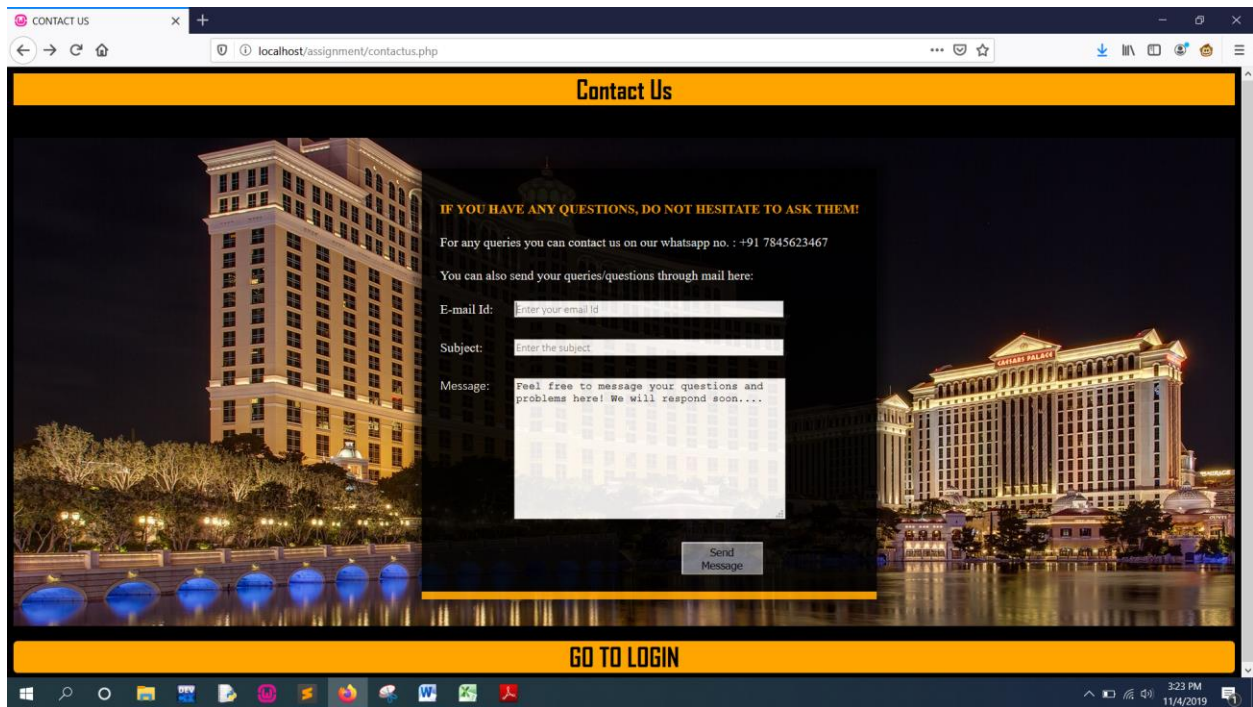
THANK YOU for giving us your valuable FEEDBACK , It will help us improve!!

**GO TO LOGIN**

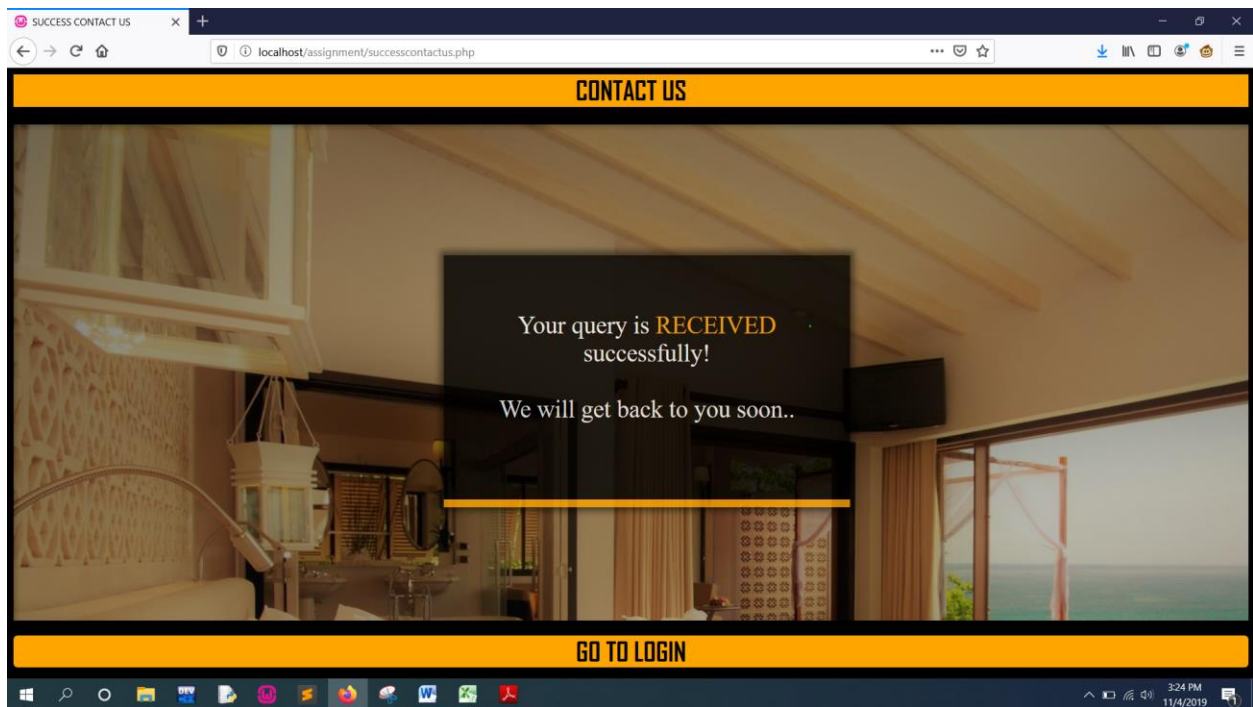
3:21 PM 11/4/2019



## Contact Us:

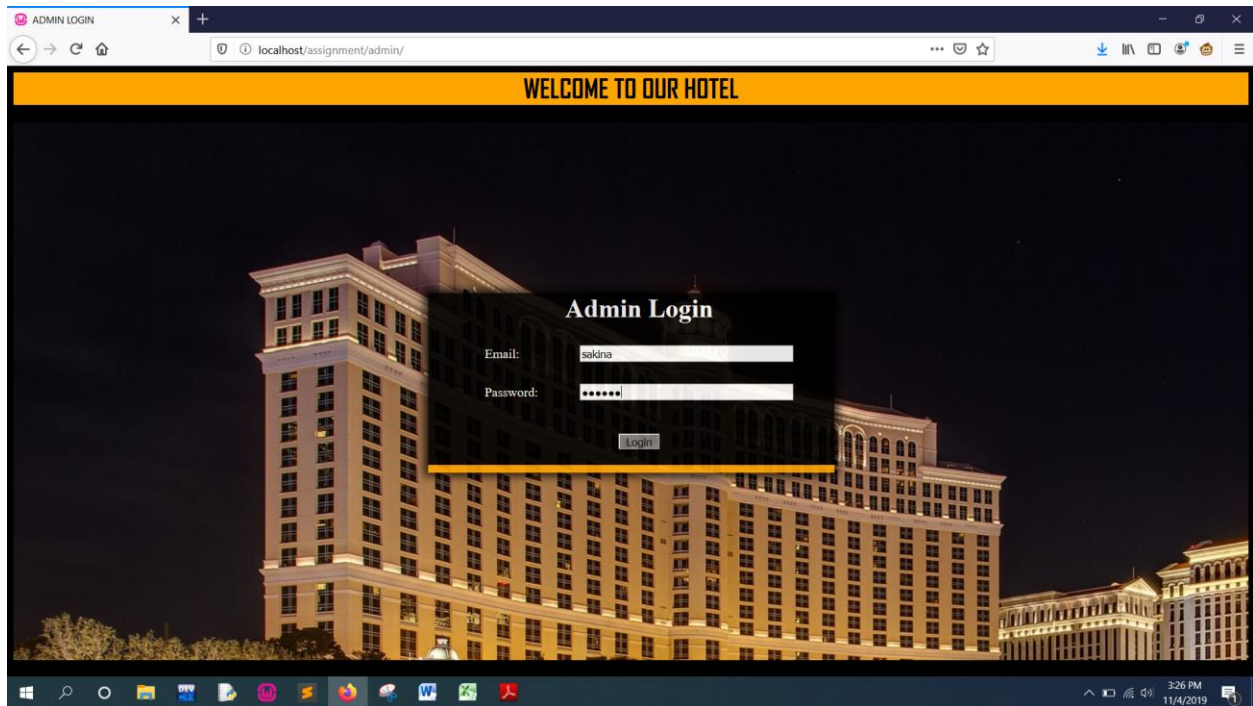


## Success Contact Us:

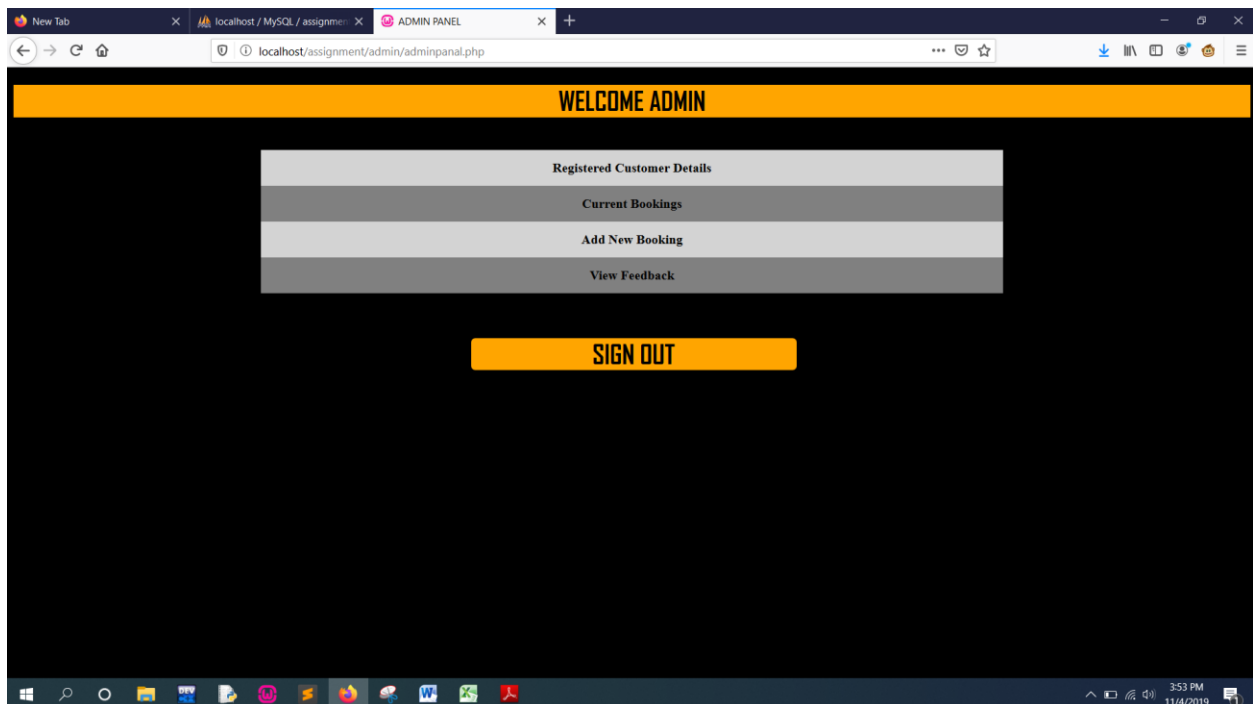


**ADMIN:**

**Home/Login:**



**Admin Panel:**



## View Customer Details:

The screenshot shows a web browser window with the URL `localhost/assignment/admin/adminpanel.php`. The page has a dark blue header with the text "WELCOME ADMIN" in yellow. Below the header, there is a table titled "Registered Customer Details" with the following columns: User ID, First Name, Lastname, Phone No., Username, City, Country, and Payment Type. The table contains 10 rows of customer data. Below the table, there are three buttons: "Current Bookings", "Add New Booking", and "View Feedback". At the bottom of the page, there is a yellow button labeled "SIGN OUT".

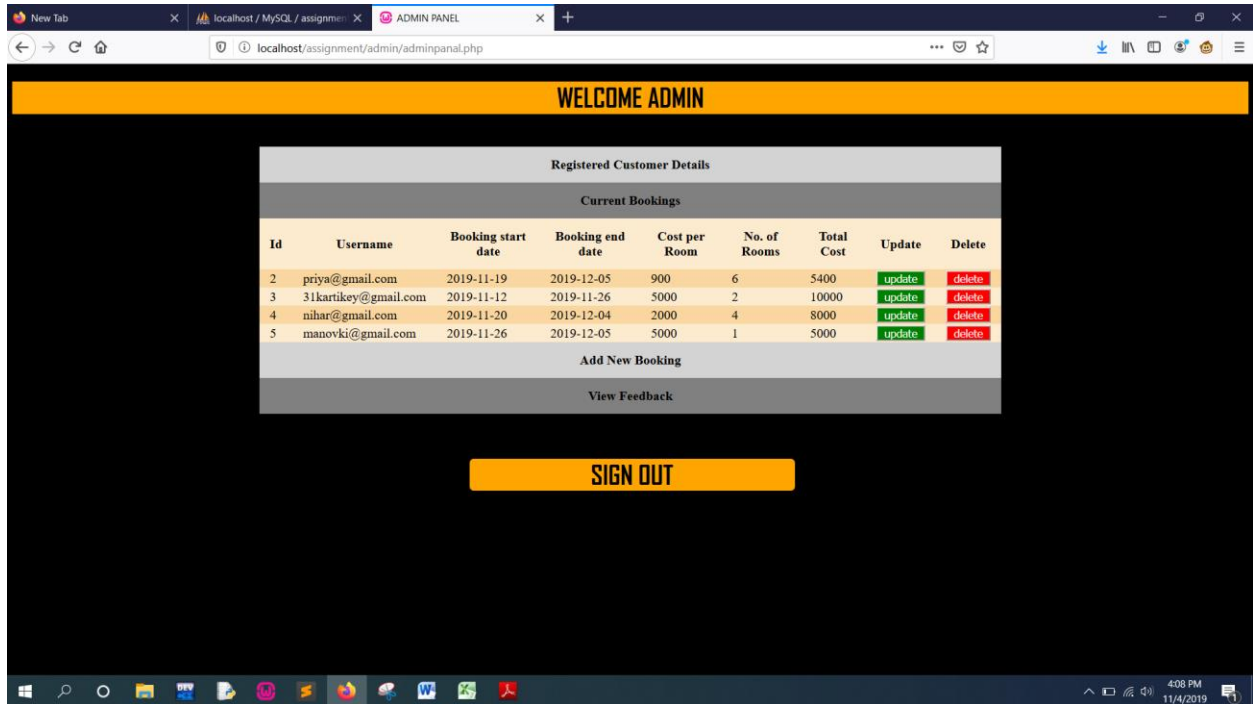
| User ID | First Name | Lastname    | Phone No.  | Username                      | City    | Country | Payment Type |
|---------|------------|-------------|------------|-------------------------------|---------|---------|--------------|
| 1       | sakina     | bandookwala | 8123432111 | 12sakinabandookwala@gmail.com | ontario | canada  | paypal       |
| 2       | nihar      | sanjeev     | 9425318152 | nihar@gmail.com               | nagpur  | india   | paypal       |
| 4       | manovki    | wasade      | 7676767676 | manovki@gmail.com             | nagpur  | india   | cash         |
| 5       | janavi     | wasade      | 6565656565 | janavi@gmail.com              | nagpur  | india   | cash         |
| 6       | kartikey   | khandelwal  | 7728968988 | 31kartikey@gmail.com          | jaipur  | india   | cash         |
| 8       | riya       | jain        | 9898989898 | 12riya@gmail.com              | delhi   | india   | cash         |
| 9       | priya      | sojatia     | 7878687868 | priya@gmail.com               | mumbai  | india   | paypal       |
| 10      | anjali     | jain        | 6767678967 | anjali56@gmail.com            | indore  | india   | paypal       |

## View Booking:

The screenshot shows the same Admin Panel as before, but with the "Current Bookings" table displayed. The table has the following columns: Id, Username, Booking start date, Booking end date, Cost per Room, No. of Rooms, Total Cost, Update, and Delete. The table contains 5 rows of booking data. Below the table, there are two buttons: "Add New Booking" and "View Feedback". At the bottom of the page, there is a yellow button labeled "SIGN OUT".

| Id | Username             | Booking start date | Booking end date | Cost per Room | No. of Rooms | Total Cost | Update                 | Delete                 |
|----|----------------------|--------------------|------------------|---------------|--------------|------------|------------------------|------------------------|
| 1  | anjali56@gmail.com   | 2019-11-26         | 2019-12-05       | 900           | 6            | 5400       | <a href="#">update</a> | <a href="#">delete</a> |
| 2  | priya@gmail.com      | 2019-11-19         | 2019-12-05       | 900           | 6            | 5400       | <a href="#">update</a> | <a href="#">delete</a> |
| 3  | 31kartikey@gmail.com | 2019-11-12         | 2019-11-26       | 5000          | 2            | 10000      | <a href="#">update</a> | <a href="#">delete</a> |
| 4  | nihar@gmail.com      | 2019-11-20         | 2019-12-04       | 2000          | 4            | 8000       | <a href="#">update</a> | <a href="#">delete</a> |
| 5  | manovki@gmail.com    | 2019-11-26         | 2019-12-05       | 5000          | 1            | 5000       | <a href="#">update</a> | <a href="#">delete</a> |

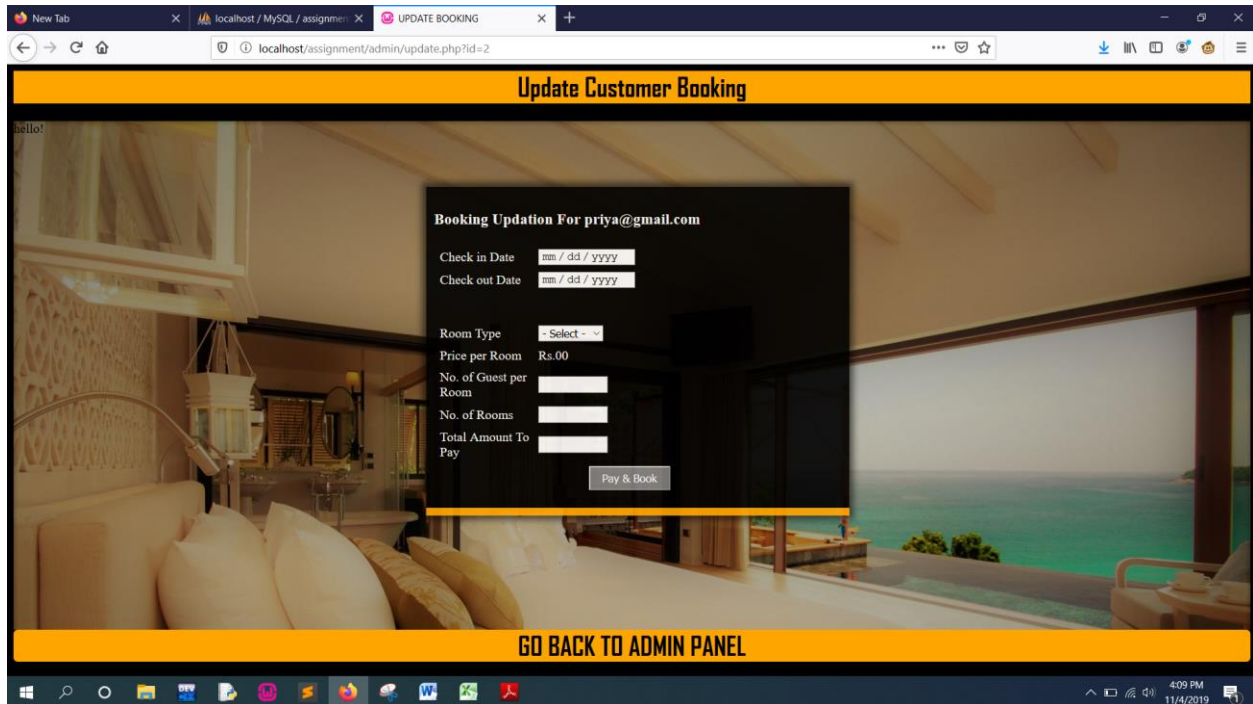
## Delete Booking:



The screenshot shows the Admin Panel interface. At the top, there's a yellow banner with the text "WELCOME ADMIN". Below this, there's a section titled "Registered Customer Details" which contains a table of "Current Bookings". The table has columns for Id, Username, Booking start date, Booking end date, Cost per Room, No. of Rooms, Total Cost, Update, and Delete. There are five rows of booking data. Each row has a green "update" button and a red "delete" button. Below the table, there are links for "Add New Booking" and "View Feedback". At the bottom, there's a yellow button labeled "SIGN OUT".

| Registered Customer Details |                      |                    |                  |               |              |            |                        |                        |
|-----------------------------|----------------------|--------------------|------------------|---------------|--------------|------------|------------------------|------------------------|
| Current Bookings            |                      |                    |                  |               |              |            |                        |                        |
| Id                          | Username             | Booking start date | Booking end date | Cost per Room | No. of Rooms | Total Cost | Update                 | Delete                 |
| 2                           | priya@gmail.com      | 2019-11-19         | 2019-12-05       | 900           | 6            | 5400       | <a href="#">update</a> | <a href="#">delete</a> |
| 3                           | 31kartikey@gmail.com | 2019-11-12         | 2019-11-26       | 5000          | 2            | 10000      | <a href="#">update</a> | <a href="#">delete</a> |
| 4                           | nihar@gmail.com      | 2019-11-20         | 2019-12-04       | 2000          | 4            | 8000       | <a href="#">update</a> | <a href="#">delete</a> |
| 5                           | manovki@gmail.com    | 2019-11-26         | 2019-12-05       | 5000          | 1            | 5000       | <a href="#">update</a> | <a href="#">delete</a> |

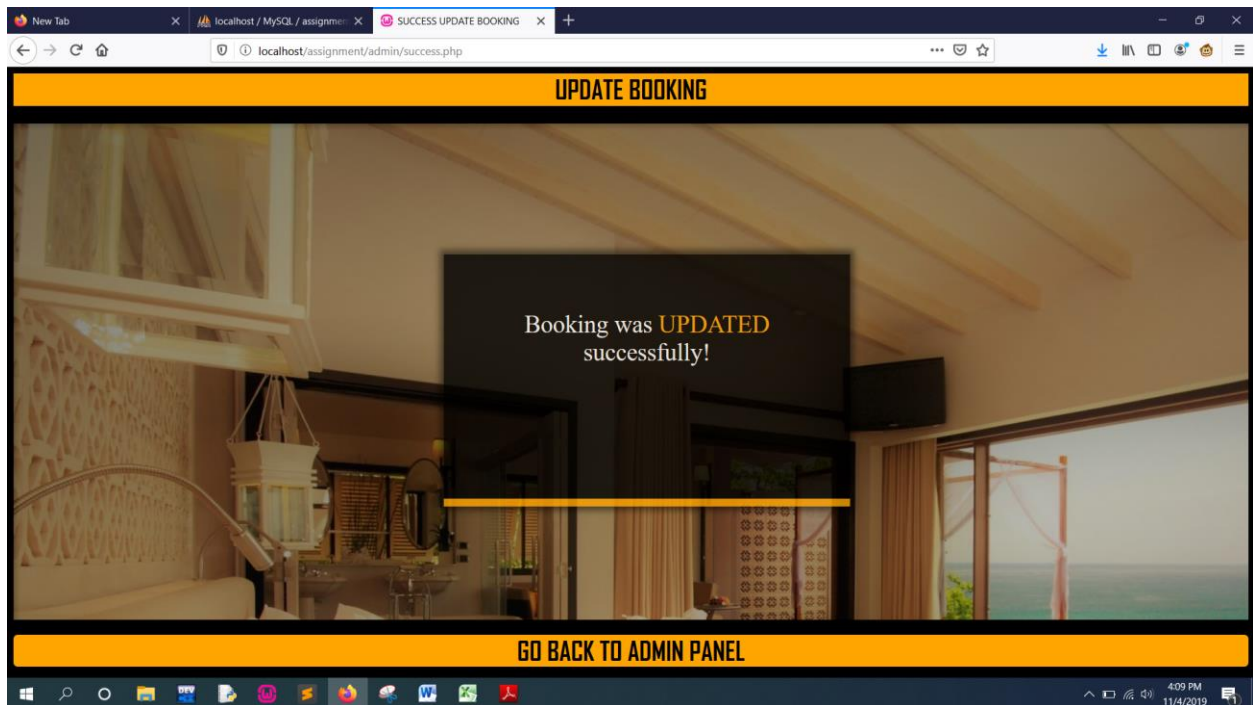
## Update Booking:



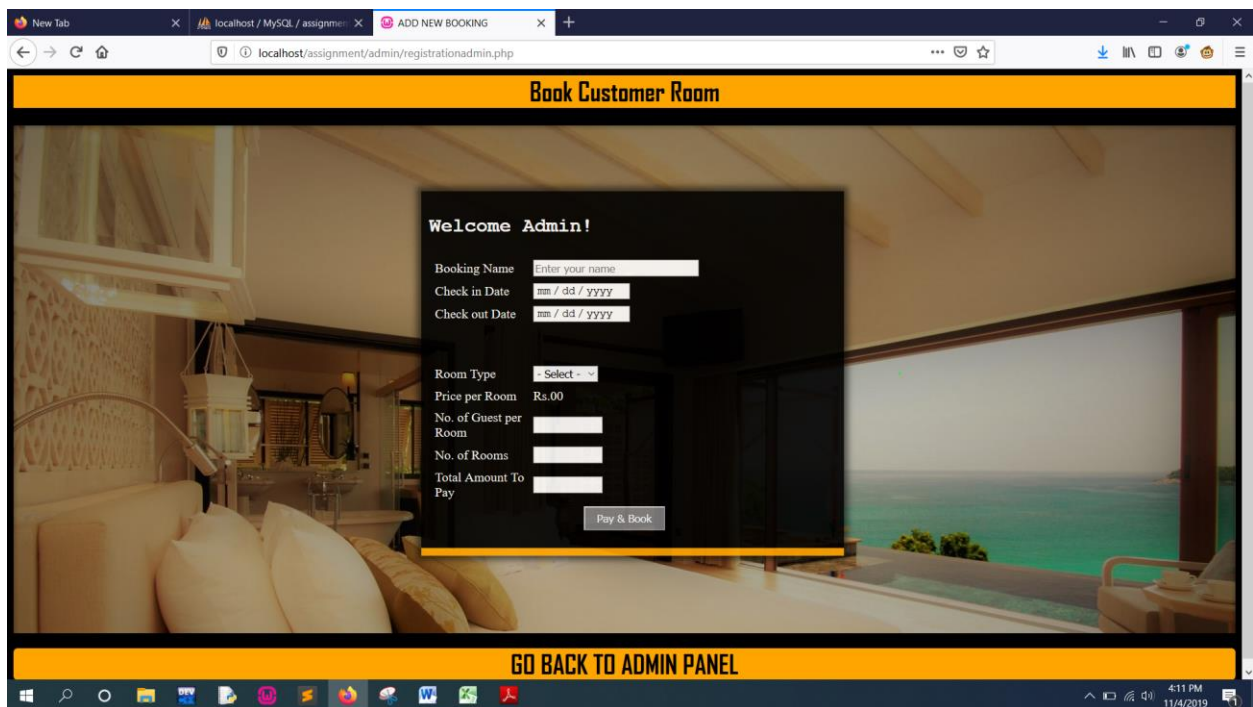
The screenshot shows the "Update Customer Booking" form. The form is titled "Booking Updation For priya@gmail.com". It contains fields for "Check in Date" and "Check out Date" (both with date pickers), "Room Type" (a dropdown menu), "Price per Room" (Rs.00), "No. of Guest per Room" (a text input), "No. of Rooms" (a text input), and "Total Amount To Pay" (a text input). There is a "Pay & Book" button at the bottom of the form. The background of the form is a blurred image of a hotel room. At the bottom of the page, there's a yellow banner with the text "GO BACK TO ADMIN PANEL".



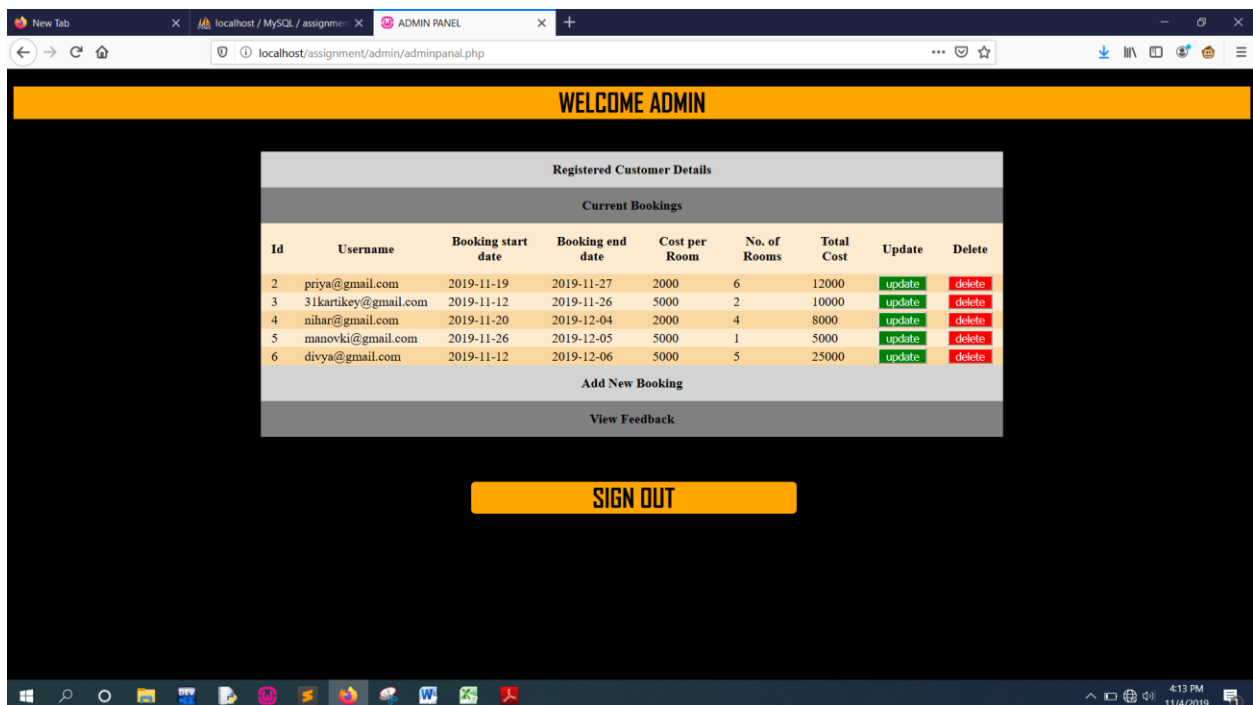
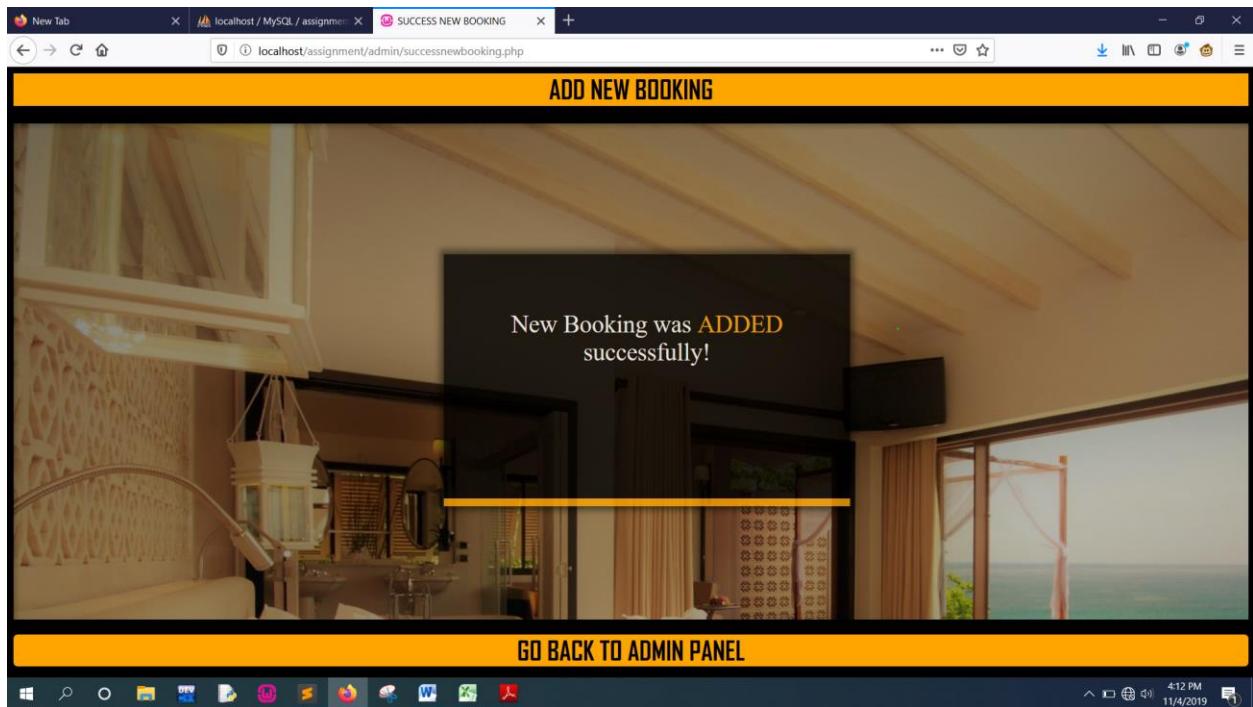
## Success Booking Update:



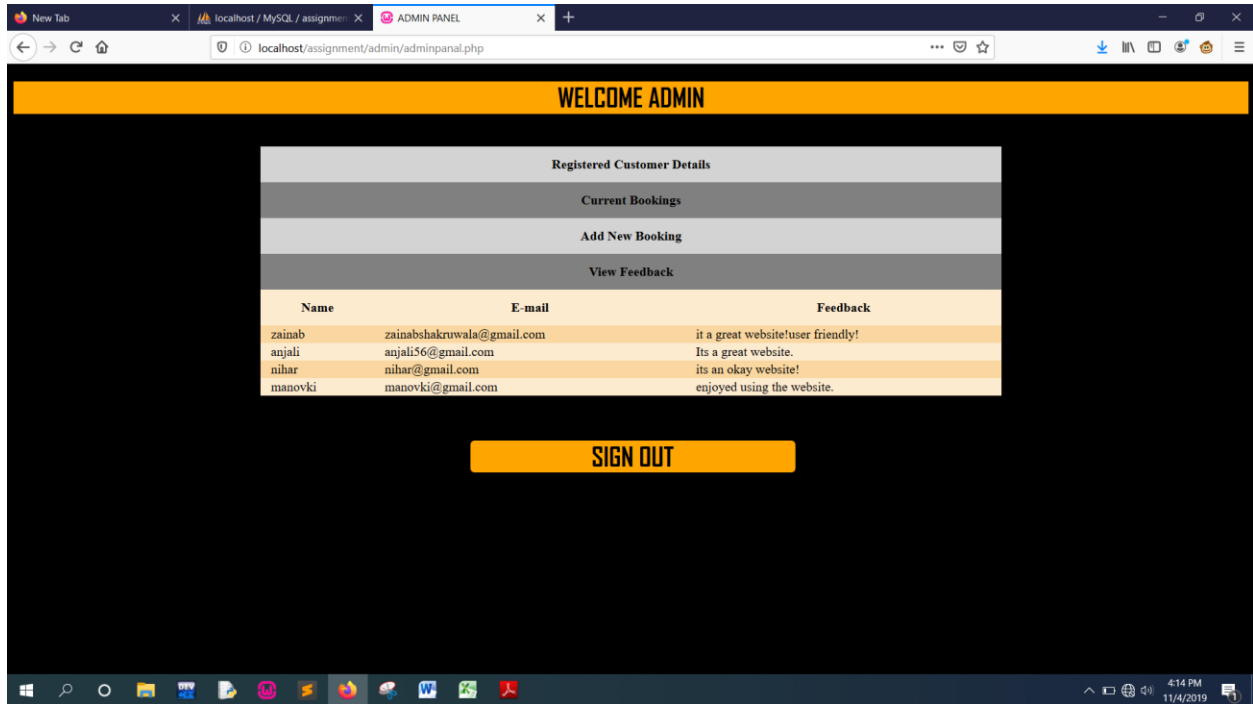
## Add New Booking:



## Success Add Booking:



## View Feedback:

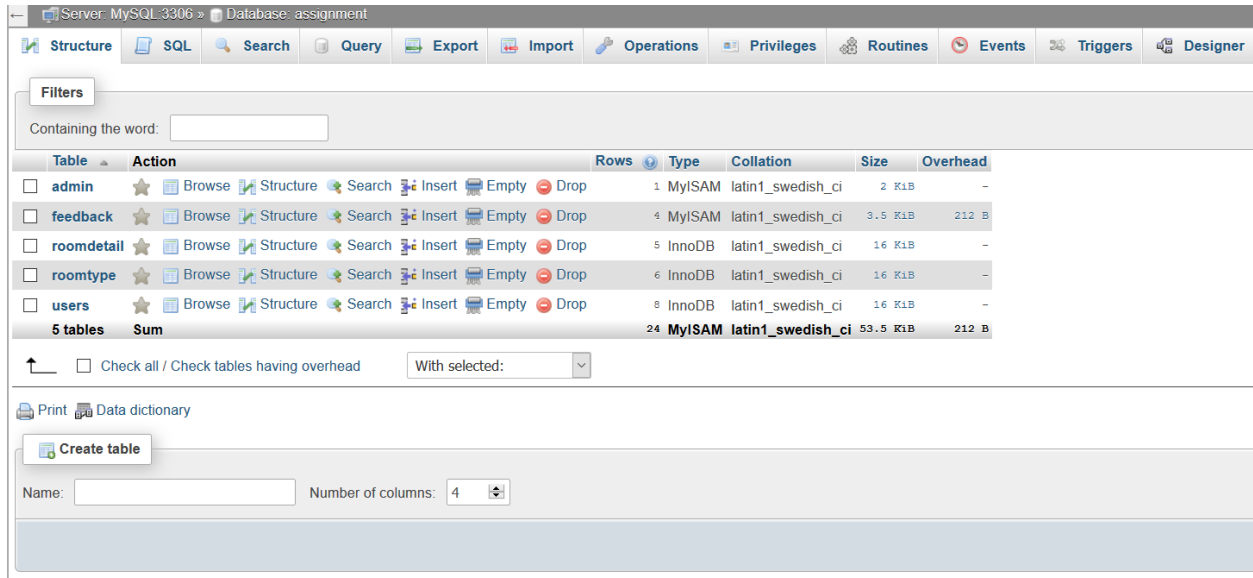


The screenshot shows a web browser window with the address bar displaying `localhost/assignment/admin/adminpanel.php`. The page has a dark blue background with a yellow header bar that says "WELCOME ADMIN". Below the header, there is a menu with five items: "Registered Customer Details", "Current Bookings", "Add New Booking", "View Feedback", and "View Feedback". The "View Feedback" item is selected, and a table is displayed below it. The table has three columns: "Name", "E-mail", and "Feedback". It contains four rows of data. At the bottom of the page, there is a yellow button that says "SIGN OUT".

| Name    | E-mail                     | Feedback                          |
|---------|----------------------------|-----------------------------------|
| zainab  | zainabshakruwala@gmail.com | it a great website!user friendly! |
| anjali  | anjali56@gmail.com         | Its a great website.              |
| nihar   | nihar@gmail.com            | its an okay website!              |
| manovki | manovki@gmail.com          | enjoyed using the website.        |

# SQL FRAMEWORK:

## List of tables used:

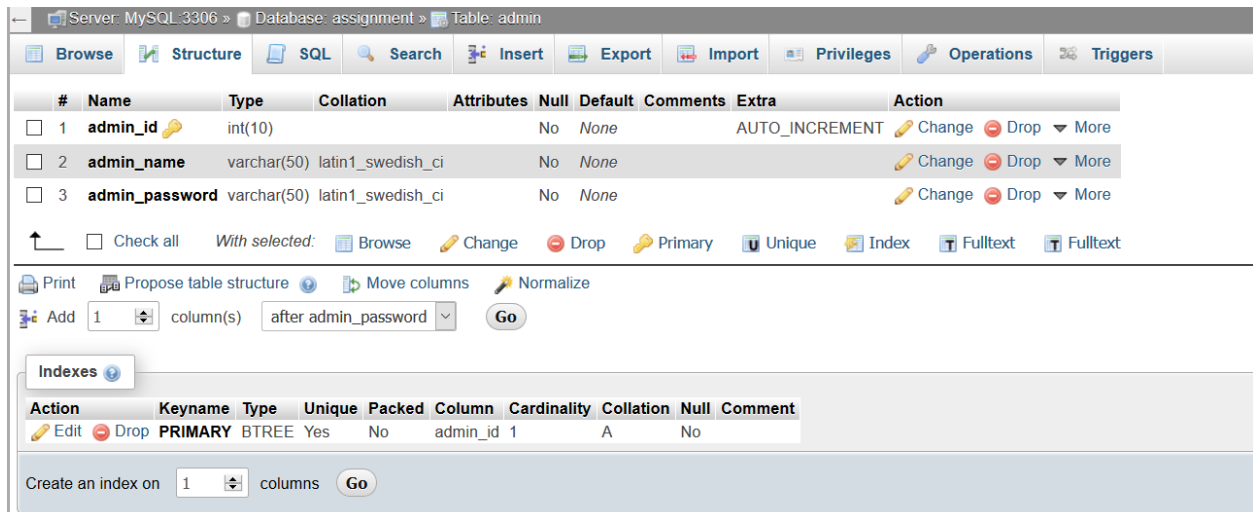


The screenshot shows the MySQL Workbench interface with the 'assignment' database selected. The 'Structure' tab is active, displaying a list of tables. The table 'admin' is highlighted. Below the table list, there are options to 'Check all / Check tables having overhead' and a 'With selected:' dropdown. At the bottom, there is a 'Create table' section with a 'Name:' field and a 'Number of columns:' dropdown set to 4.

| Table                               | Action                                      | Rows | Type   | Collation         | Size     | Overhead |
|-------------------------------------|---------------------------------------------|------|--------|-------------------|----------|----------|
| <input type="checkbox"/> admin      | ★ Browse Structure Search Insert Empty Drop | 1    | MyISAM | latin1_swedish_ci | 2 K1B    | -        |
| <input type="checkbox"/> feedback   | ★ Browse Structure Search Insert Empty Drop | 4    | MyISAM | latin1_swedish_ci | 3.5 K1B  | 212 B    |
| <input type="checkbox"/> roomdetail | ★ Browse Structure Search Insert Empty Drop | 5    | InnoDB | latin1_swedish_ci | 16 K1B   | -        |
| <input type="checkbox"/> roomtype   | ★ Browse Structure Search Insert Empty Drop | 6    | InnoDB | latin1_swedish_ci | 16 K1B   | -        |
| <input type="checkbox"/> users      | ★ Browse Structure Search Insert Empty Drop | 8    | InnoDB | latin1_swedish_ci | 16 K1B   | -        |
| 5 tables                            | Sum                                         | 24   | MyISAM | latin1_swedish_ci | 53.5 K1B | 212 B    |

## Table structures:

### Admin:



The screenshot shows the MySQL Workbench interface with the 'admin' table selected. The 'Structure' tab is active, displaying the table's structure. The table has three columns: 'admin\_id' (int(10)), 'admin\_name' (varchar(50)), and 'admin\_password' (varchar(50)). The 'admin\_id' column is the primary key. Below the table structure, there are options to 'Check all' and 'With selected:'. At the bottom, there is an 'Indexes' section with a table showing the primary key index on 'admin\_id'.

| #                          | Name           | Type        | Collation         | Attributes | Null | Default | Comments | Extra          | Action           |
|----------------------------|----------------|-------------|-------------------|------------|------|---------|----------|----------------|------------------|
| <input type="checkbox"/> 1 | admin_id       | int(10)     |                   |            | No   | None    |          | AUTO_INCREMENT | Change Drop More |
| <input type="checkbox"/> 2 | admin_name     | varchar(50) | latin1_swedish_ci |            | No   | None    |          |                | Change Drop More |
| <input type="checkbox"/> 3 | admin_password | varchar(50) | latin1_swedish_ci |            | No   | None    |          |                | Change Drop More |

| Action    | Keyname | Type  | Unique | Packed | Column   | Cardinality | Collation | Null | Comment |
|-----------|---------|-------|--------|--------|----------|-------------|-----------|------|---------|
| Edit Drop | PRIMARY | BTREE | Yes    | No     | admin_id | 1           | A         | No   |         |

## Feedback:

Server: MySQL:3306 » Database: assignment » Table: feedback

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#) [Triggers](#)

| #                        | Name | Type            | Collation    | Attributes        | Null | Default | Comments | Extra          | Action             |
|--------------------------|------|-----------------|--------------|-------------------|------|---------|----------|----------------|--------------------|
| <input type="checkbox"/> | 1    | <b>id</b>       | int(10)      |                   | No   | None    |          | AUTO_INCREMENT | Change  Drop  More |
| <input type="checkbox"/> | 2    | <b>name</b>     | varchar(50)  | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 3    | <b>email</b>    | varchar(50)  | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 4    | <b>feedback</b> | varchar(100) | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |

☐ Check all With selected: [Browse](#) Change Drop Primary Unique Index Fulltext Fulltext

[Print](#) [Propose table structure](#) [Move columns](#) Normalize

Add 1 column(s) after feedback

**Indexes**

| Action     | Keyname        | Type  | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|------------|----------------|-------|--------|--------|--------|-------------|-----------|------|---------|
| Edit  Drop | <b>PRIMARY</b> | BTREE | Yes    | No     | id     | 4           | A         | No   |         |
| Edit  Drop | <b>id</b>      | BTREE | Yes    | No     | id     | 4           | A         | No   |         |

Create an index on 1 columns

## Room details:

Server: MySQL:3306 » Database: assignment » Table: roomdetail

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#) [Triggers](#)

[Table structure](#) [Relation view](#)

| #                        | Name | Type                 | Collation   | Attributes        | Null | Default | Comments | Extra          | Action             |
|--------------------------|------|----------------------|-------------|-------------------|------|---------|----------|----------------|--------------------|
| <input type="checkbox"/> | 1    | <b>id</b>            | int(11)     |                   | No   | None    |          | AUTO_INCREMENT | Change  Drop  More |
| <input type="checkbox"/> | 2    | <b>username</b>      | varchar(50) | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 3    | <b>checkin_date</b>  | date        |                   | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 4    | <b>checkout_date</b> | date        |                   | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 5    | <b>room_type</b>     | varchar(50) | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 6    | <b>no_of_room</b>    | varchar(50) | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |
| <input type="checkbox"/> | 7    | <b>amount</b>        | varchar(50) | latin1_swedish_ci | No   | None    |          |                | Change  Drop  More |

☐ Check all With selected: [Browse](#) Change Drop Primary Unique Index Fulltext

[Print](#) [Propose table structure](#) [Move columns](#) Normalize

Add 1 column(s) after amount

**Indexes**

| Action     | Keyname        | Type  | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|------------|----------------|-------|--------|--------|--------|-------------|-----------|------|---------|
| Edit  Drop | <b>PRIMARY</b> | BTREE | Yes    | No     | id     | 4           | A         | No   |         |

Create an index on 1 columns

## Room Type:

Server: MySQL:3306 » Database: assignment » Table: roomtype

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Table structure Relation view

| #                        | Name | Type       | Collation                     | Attributes | Null | Default | Comments | Extra          | Action                                                           |
|--------------------------|------|------------|-------------------------------|------------|------|---------|----------|----------------|------------------------------------------------------------------|
| <input type="checkbox"/> | 1    | room_id    | int(11)                       |            | No   | None    |          | AUTO_INCREMENT | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 2    | room_type  | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 3    | room_price | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 4    | room_seson | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Fulltext](#)

[Print](#) [Propose table structure](#) [Move columns](#) [Normalize](#)

Add 1 column(s) after room\_seson [Go](#)

Indexes

| Action                                    | Keyname | Type  | Unique | Packed | Column  | Cardinality | Collation | Null | Comment |
|-------------------------------------------|---------|-------|--------|--------|---------|-------------|-----------|------|---------|
| <a href="#">Edit</a> <a href="#">Drop</a> | PRIMARY | BTREE | Yes    | No     | room_id | 6           | A         | No   |         |

Create an index on 1 columns [Go](#)

## Users:

Server: MySQL:3306 » Database: assignment » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Table structure Relation view

| #                        | Name | Type          | Collation                     | Attributes | Null | Default | Comments | Extra          | Action                                                           |
|--------------------------|------|---------------|-------------------------------|------------|------|---------|----------|----------------|------------------------------------------------------------------|
| <input type="checkbox"/> | 1    | user_id       | int(10)                       |            | No   | None    |          | AUTO_INCREMENT | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 2    | first_name    | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 3    | last_name     | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 4    | day_phone     | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 5    | user_name     | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 6    | user_password | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 7    | city          | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 8    | country       | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 9    | payment_type  | varchar(50) latin1_swedish_ci |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |

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Indexes

| Action                                    | Keyname | Type  | Unique | Packed | Column  | Cardinality | Collation | Null | Comment |
|-------------------------------------------|---------|-------|--------|--------|---------|-------------|-----------|------|---------|
| <a href="#">Edit</a> <a href="#">Drop</a> | PRIMARY | BTREE | Yes    | No     | user_id | 8           | A         | No   |         |

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