

# Online Hotel Reservation System Project

CS 631 - 001

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# INTRODUCTION

- Goal
- Revisions
- Application Implementation
  - o Programming concepts
  - o Database Creation
  - o Table population
  - o Run program
- Users Guide
  - o Customer guide
  - o Administrator guide
- SQL Commands
  - o SQL Commands of table creation
  - o SQL Commands of Table population
- Source Code
- Problems Encountered

## **GOAL:**

The goal of this deliverable is to translate the relational schema to a real world hotel reservation database framework. We need to populate the database and create a website for the hotel.

## **REVISIONS:**

Added a new attribute “rprice” in the reservations table. This attribute is the price at which we are reserving the room including the discounts applied.

Added new tables “users” and it is used for authentication purposes.

Added another table “password\_reset” and it is for resetting password .

# APPLICATION IMPLEMENTATION:

Source code folder:

Xampp\htdocs\App\Http\Controllers

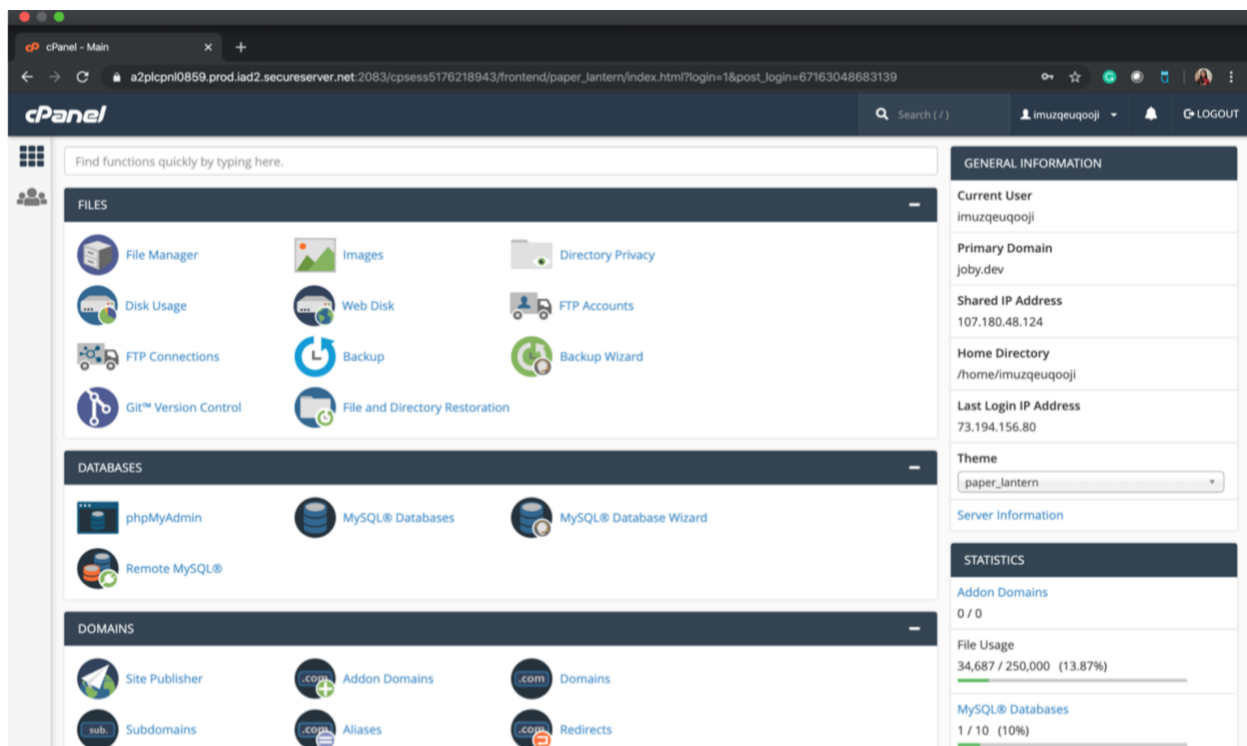
(using PHP Laravel, CSS Tailwindcss )

Tools that we use:

1. Xampp
2. MySql
3. Vscode

## DATABASE CREATION:

Using MySql Databases



## Creating New Database

The screenshot shows the cPanel MySQL Databases interface. The top navigation bar includes the cPanel logo, a search bar, and a user profile with a 'LOGOUT' button. The main heading is 'MySQL® Databases'. Below it, a brief description states: 'Manage large amounts of information over the web easily. MySQL databases are necessary to run many web-based applications, such as bulletin boards, content management systems, and online shopping carts. For more information, read the [documentation](#).' A link 'Jump to MySQL Users' is on the right.

The 'Create New Database' section contains a 'New Database:' text input field and a blue 'Create Database' button.

The 'Modify Databases' section has two rows. The first row is for 'Check Database', with a dropdown menu showing 'HultonHotelDB' and a blue 'Check Database' button. The second row is for 'Repair Database', also with a dropdown menu showing 'HultonHotelDB' and a blue 'Repair Database' button.

The 'Current Databases' section features a search input field with a 'Go' button. Below it is a table listing databases:

Database	Size	Privileged Users	Actions
HultonHotelDB	0.58 MB	aishuser1	<a href="#">Rename</a> <a href="#">Delete</a>

## Adding MySQL User

The screenshot shows the cPanel MySQL Users interface. The top navigation bar is identical to the previous screenshot. The main heading is 'MySQL Users'. On the right, there is a 'Page Size' dropdown set to '10' and a 'Jump to MySQL Databases' link.

The 'Add New User' section contains four text input fields: 'Username', 'Password', and 'Password (Again)'. Below these is a 'Strength' indicator showing 'Very Weak (0/100)' and a 'Password Generator' button. A blue 'Create User' button is at the bottom of this section.

The 'Add User To Database' section has two dropdown menus: 'User' (showing 'aishuser1') and 'Database' (showing 'HultonHotelDB').

cPanel - Main

Find functions quickly by typing here.

**FILES**

- File Manager
- Disk Usage
- FTP Connections
- Git™ Version Control
- Images
- Web Disk
- Backup
- File and Directory Restoration
- Directory Privacy
- FTP Accounts
- Backup Wizard

**DATABASES**

- phpMyAdmin
- Remote MySQL®
- MySQL® Databases
- MySQL® Database Wizard

**DOMAINS**

- Site Publisher
- Subdomains
- Addon Domains
- Aliases
- Domains
- Redirects

**GENERAL INFORMATION**

Current User  
imuzqueuqooji

Primary Domain  
joby.dev

Shared IP Address  
107.180.48.124

Home Directory  
/home/imuzqueuqooji

Last Login IP Address  
73.194.156.80

Theme  
paper\_lantern

Server Information

**STATISTICS**

Addon Domains  
0 / 0

File Usage  
34,687 / 250,000 (13.87%)

MySQL® Databases  
1 / 10 (10%)

FTP Accounts

cPanel - Main

a2plcpnl0859.prod.lad2.secureserver.net:2083/cpsess5176218943/3rdparty/phpMyAdmin/server\_databases.php

phpMyAdmin

Recent Favorites

- HultonHotelDB
- information\_schema

Server: localhost:3306

Databases SQL Status Export Import Settings Variables Charsets Engines Plugins

**Databases**

Database	Collation	Action
HultonHotelDB	utf8mb4_general_ci	Check privileges
information_schema	utf8_general_ci	Check privileges
<b>Total: 2</b>	<b>latin1_swedish_ci</b>	

Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.

- Enable statistics

Console

cPanel - Main x a2plcpn0859.prod.lad2.secure x +

a2plcpn0859.prod.lad2.secureserver.net:2083/cpsess5176218943/3rdparty/phpMyAdmin/index.php

### phpMyAdmin

Recent Favorites

- HultonHotelDB
- information\_schema

Server: localhost:3306

Databases SQL Status Export Import Settings Variables Charsets Engines Plugins

#### General settings

Server connection collation: utf8mb4\_unicode\_ci

#### Appearance settings

Language: English  
Theme: pmahomme  
Font size: 82%  
[More settings](#)

#### Database server

- Server: Localhost via UNIX socket
- Server type: MySQL
- Server connection: SSL is not being used
- Server version: 5.6.46-cl-lve - MySQL Community Server (GPL)
- Protocol version: 10
- User: imuzgeuqooj@localhost
- Server charset: UTF-8 Unicode (utf8)

#### Web server

- cpsrvc 11.78.0.38
- Database client version: libmysql - 5.1.73
- PHP extension: mysqli curl mbstring
- PHP version: 7.2.7

#### phpMyAdmin

- Version information: 4.8.3
- [Documentation](#)
- [Official Homepage](#)
- [Contribute](#)
- [Get support](#)
- [List of changes](#)
- [License](#)

Console

cPanel - Main x a2plcpn0859.prod.lad2.secure x +

a2plcpn0859.prod.lad2.secureserver.net:2083/cpsess5176218943/3rdparty/phpMyAdmin/db\_structure.php?server=1&db=HultonHotelDB

### phpMyAdmin

Recent Favorites

- HultonHotelDB
- information\_schema

Server: localhost:3306 Database: HultonHotelDB

Structure SQL Search Query Export Import Operations Routines Events Triggers Designer

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> BREAKFAST	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	utf8mb4_general_ci	80 K.B	-
<input type="checkbox"/> CREDIT_CARD	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	2	InnoDB	utf8mb4_general_ci	48 K.B	-
<input type="checkbox"/> CUSTOMER	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	3	InnoDB	utf8mb4_general_ci	16 K.B	-
<input type="checkbox"/> DISCOUNT_ROOM	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	utf8mb4_general_ci	16 K.B	-
<input type="checkbox"/> HOTEL	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	utf8mb4_general_ci	48 K.B	-
<input type="checkbox"/> migrations	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	MyISAM	utf8mb4_unicode_ci	1 K.B	-
<input type="checkbox"/> password_resets	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	MyISAM	utf8mb4_unicode_ci	1 K.B	-
<input type="checkbox"/> RESERVATION	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	2	InnoDB	utf8mb4_general_ci	48 K.B	-
<input type="checkbox"/> RESV_BREAKFAST	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8mb4_general_ci	32 K.B	-
<input type="checkbox"/> ROOMS	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	2	InnoDB	utf8mb4_general_ci	32 K.B	-
<input type="checkbox"/> ROOM_RESERVATION	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	utf8mb4_general_ci	48 K.B	-
<input type="checkbox"/> ROOM_REVIEW	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	utf8mb4_general_ci	64 K.B	-
<input type="checkbox"/> RRESV_SERVICE	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	utf8mb4_general_ci	80 K.B	-
<input type="checkbox"/> SERVICE	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	2	InnoDB	utf8mb4_general_ci	32 K.B	-
<input type="checkbox"/> SERVICE_REVIEW	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	utf8mb4_general_ci	48 K.B	-
<input type="checkbox"/> users	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	MyISAM	utf8mb4_unicode_ci	2.1 K.B	-
<b>16 tables</b>	<b>Sum</b>	<b>25</b>	<b>MyISAM</b>	<b>utf8mb4_general_ci</b>	<b>596.1 K.B</b>	<b>0 B</b>

[Print](#) [Data dictionary](#)

[Create table](#)

Name: Number of columns: 4

[Go](#)

Console

# TABLE CREATION

cPanel - Main x a2plcpi0859.prod.lad2.secure x (1) WhatsApp x Database\_Management\_System x +

a2plcpi0859.prod.lad2.secureserver.net:2083/cpsess5176218943/3rdparty/phpMyAdmin/tbl\_create.php?server=1&db=HultonHotelDB

phpMyAdmin

Recent Favorites

HultonHotelDB

- New
- BREAKFAST
- BREAKFAST\_REVIEW
- CREDIT\_CARD
- CUSTOMER
- DISCOUNT\_ROOM
- HOTEL
- password\_resets
- RESERVATION
- RESV\_BREAKFAST
- ROOMS
- ROOM\_RESERVATION
- ROOM\_REVIEW
- RRESV\_SERVICE
- SERVICE
- SERVICE\_REVIEW
- users
- Information\_schema

Structure

Table name:  Add 1 column(s) Go

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A.I	Comment
<input type="text"/>	INT	<input type="text"/>	None	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	INT	<input type="text"/>	None	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	INT	<input type="text"/>	None	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	INT	<input type="text"/>	None	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---	<input type="checkbox"/>	<input type="text"/>

Table comments:  Collation:  Storage Engine: MyISAM

Partition definition:

Partition by:  ( Expression or column list )

Partitions:

Preview SQL Save

cPanel - Main x a2plcpi0859.prod.lad2.secure x (1) WhatsApp x Database\_Management\_System x +

a2plcpi0859.prod.lad2.secureserver.net:2083/cpsess5176218943/3rdparty/phpMyAdmin/tbl\_structure.php?db=HultonHotelDB&table=BREAKFAST

phpMyAdmin

Recent Favorites

HultonHotelDB

- New
- BREAKFAST
- BREAKFAST\_REVIEW
- CREDIT\_CARD
- CUSTOMER
- DISCOUNT\_ROOM
- HOTEL
- password\_resets
- RESERVATION
- RESV\_BREAKFAST
- ROOMS
- ROOM\_RESERVATION
- ROOM\_REVIEW
- RRESV\_SERVICE
- SERVICE
- SERVICE\_REVIEW
- users
- Information\_schema

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	hotel_id	int(12)		UNSIGNED	No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	btype	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
3	bprice	int(12)		UNSIGNED	No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
4	description	text	utf8mb4_general_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 description Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	hotel_id	2	A	No	
<a href="#">Edit</a> <a href="#">Drop</a>	hotel_id	BTREE	No	No	hotel_id	2	A	No	
<a href="#">Edit</a> <a href="#">Drop</a>	btype	BTREE	No	No	btype	2	A	No	

Create an index on 1 columns Go

Partitions

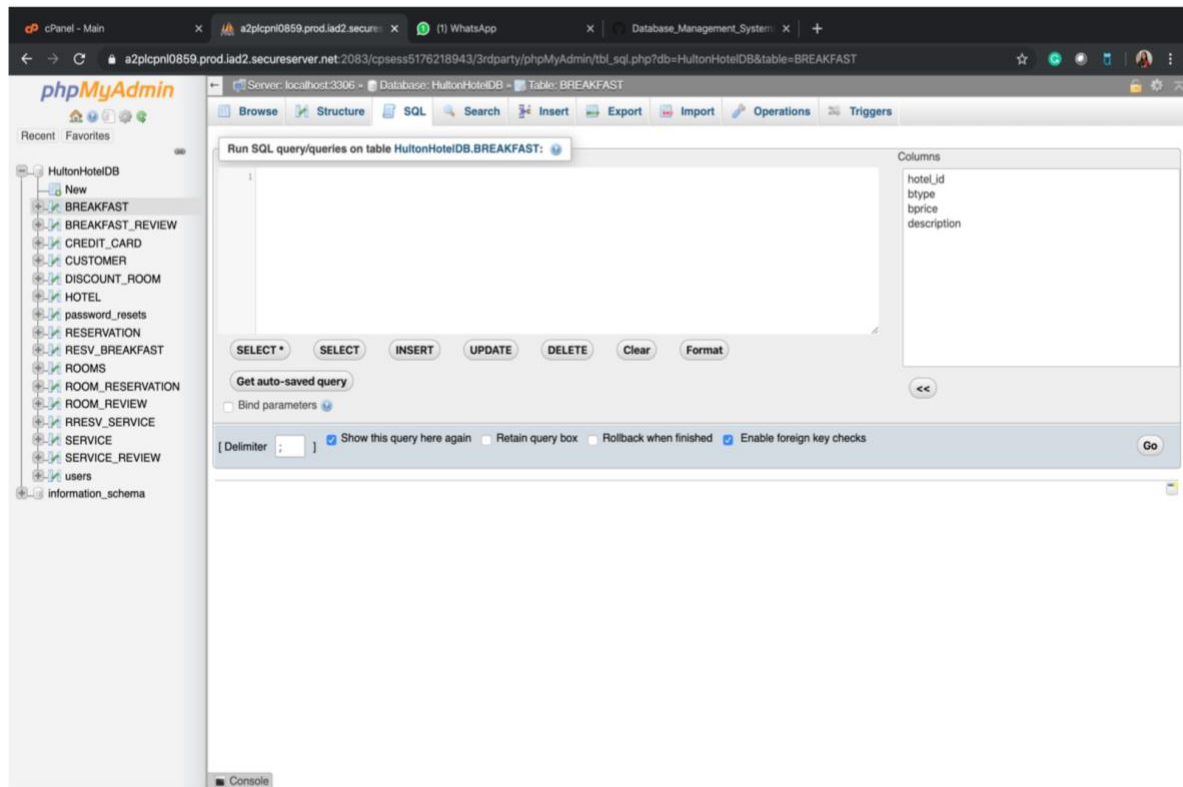
No partitioning defined!

Partition table

Information

Space usage	Row statistics
Data 16 KiB	Format Compact
Indexes 64 KiB	Collation utf8mb4_general_ci
	Most available





```
-- Database: `HultonHotelDB`  
--  
--  
--  
--  
--  
--  
-- Table structure for table `BREAKFAST`  
--  
  
CREATE TABLE `BREAKFAST` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `btype` varchar(50) NOT NULL,  
  `bprice` int(12) UNSIGNED NOT NULL,  
  `description` text NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```

8  --
9  -- Table structure for table `CREDIT_CARD`
10 --
11
12 CREATE TABLE `CREDIT_CARD` (
13   `cnumber` int(12) UNSIGNED NOT NULL,
14   `ctype` varchar(255) NOT NULL,
15   `baddress` varchar(255) NOT NULL,
16   `code` int(12) UNSIGNED NOT NULL,
17   `expdate` date NOT NULL,
18   `name` varchar(255) NOT NULL
19 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
20
21 --

```

## TABLE POPULATION:

Server: localhost:3306 Database: HultonHotelDB Table: BREAKFAST

Column	Type	Function	Null	Value
hotel_id	int(12) unsigned			
btype	varchar(50)			
bprice	int(12) unsigned			
description	text			

Ignore

Column	Type	Function	Null	Value
hotel_id	int(12) unsigned			
btype	varchar(50)			
bprice	int(12) unsigned			
description	text			

Go

phpMyAdmin interface showing the structure and data of the BREAKFAST table in the HultonHotelDB database.

Server: localhost:3306 - Database: HultonHotelDB - Table: BREAKFAST

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

SELECT \* FROM 'BREAKFAST'

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	hotel_id	btype	bprice	description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	American Breakfast	15	Breakfast that includes most or all of the follow...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	English Breakfast	20	English breakfast, treated as a dish rather than a...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	American Breakfast	10	Breakfast that includes most or all of the follow...
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Continental Breakfast	12	A hotel breakfast that include sliced bread with b...

Check all | With selected: Edit Copy Delete Export

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations: Print Copy to clipboard Export Display chart Create view

phpMyAdmin interface showing the SQL query editor for the BREAKFAST table in the HultonHotelDB database.

Server: localhost:3306 - Database: HultonHotelDB - Table: BREAKFAST

Run SQL query/queries on table HultonHotelDB.BREAKFAST:

```
1 INSERT INTO 'BREAKFAST' ('hotel_id', 'btype', 'bprice', 'description') VALUES (1,English,50,hhjdskudlaufejkjdfk)
```

Columns: hotel\_id, btype, bprice, description

SELECT \* | SELECT | INSERT | UPDATE | DELETE | Clear | Format

Get auto-saved query

Bind parameters

Delimiter: ; | Show this query here again | Retain query box | Rollback when finished | Enable foreign key checks | Go

```

---
-- Dumping data for table 'BREAKFAST'
---
INSERT INTO `BREAKFAST` (`hotel_id`, `btype`, `bprice`, `description`) VALUES
(1, 'American Breakfast', 15, 'Breakfast that includes most or all of the following: two eggs (fried or poached), sliced bacon or sausage, fried bread, and a hot beverage'),
(1, 'English Breakfast', 20, 'English breakfast, treated as a dish rather than a meal, includes bacon (traditionally back bacon), fried bread, and a hot beverage'),
(2, 'American Breakfast', 10, 'Breakfast that includes most or all of the following: two eggs (fried or poached), sliced bacon or sausage, fried bread, and a hot beverage'),
(2, 'Continental Breakfast', 12, 'A hotel breakfast that include sliced bread with butter/jam/honey, cheese, meat, croissants, pastries, and a hot beverage')

```

## FOREIGN KEY CONSTRAINTS:

phpMyAdmin interface showing the structure of the `BREAKFAST` table in the `HultonHotelDB` database. The interface includes a sidebar with a list of tables and a main panel for managing the table structure.

**Foreign key constraints:**

Actions	Constraint properties	Column	Foreign key constraint (InnoDB)		
			Database	Table	Column
Drop	BREAKFAST_bfk_1	hotel_id	HultonHotelDB	HOTEL	hotel_id
	ON DELETE: RESTRICT				
	ON UPDATE: CASCADE				
	Constraint name				
	ON DELETE: RESTRICT				
	ON UPDATE: RESTRICT				

**Indexes:**

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	PRIMARY	BTREE	Yes	No	hotel_id	2	A	No	
Edit	hotel_id	BTREE	No	No	hotel_id	2	A	No	
Edit	btype	BTREE	No	No	btype	2	A	No	

Create an index on 1 columns Go

```
-- Indexes for dumped tables
--

--
-- Indexes for table `BREAKFAST`
--

ALTER TABLE `BREAKFAST`
  ADD PRIMARY KEY (`hotel_id`,`btype`),
  ADD KEY `hotel_id` (`hotel_id`,`btype`),
  ADD KEY `btype` (`btype`);

--
-- Indexes for table `CREDIT_CARD`
--

ALTER TABLE `CREDIT_CARD`
  ADD PRIMARY KEY (`cnumber`),
  ADD UNIQUE KEY `code` (`code`);

--
-- Indexes for table `CUSTOMER`
--

ALTER TABLE `CUSTOMER`
  ADD PRIMARY KEY (`cid`);

--
-- Indexes for table `DISCOUNT_ROOM`
--

ALTER TABLE `DISCOUNT_ROOM`
  ADD PRIMARY KEY (`hotel_id`,`room_no`);
```

```

-- Constraints for dumped tables
--

--
-- Constraints for table 'BREAKFAST'
--
ALTER TABLE `BREAKFAST`
  ADD CONSTRAINT `BREAKFAST_ibfk_1` FOREIGN KEY (`hotel_id`) REFERENCES `HOTEL` (`hotel_id`) ON UPDATE CASCADE;

--
-- Constraints for table 'DISCOUNT_ROOM'
--
ALTER TABLE `DISCOUNT_ROOM`
  ADD CONSTRAINT `DISCOUNT_ROOM_ibfk_1` FOREIGN KEY (`hotel_id`,`room_no`) REFERENCES `ROOMS` (`hotel_id`,`room_no`) ON UPDATE CASCADE;

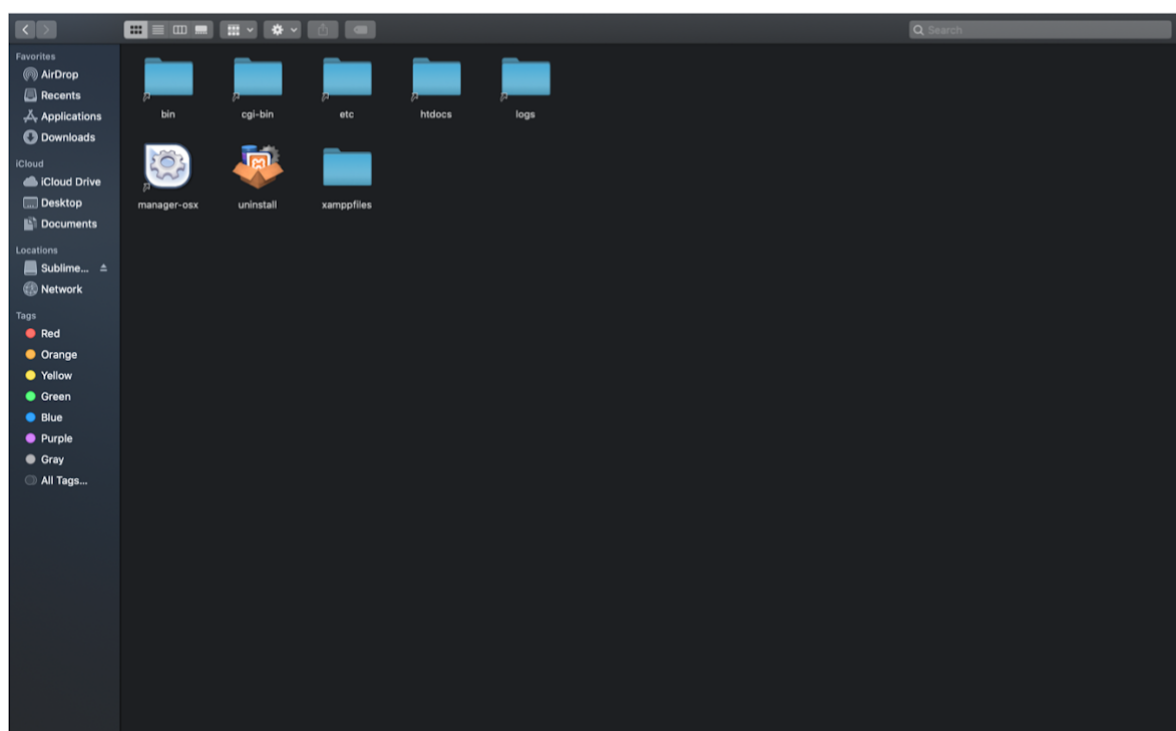
--
-- Constraints for table 'RESERVATION'
--
ALTER TABLE `RESERVATION`
  ADD CONSTRAINT `RESERVATION_ibfk_1` FOREIGN KEY (`cid`) REFERENCES `CUSTOMER` (`cid`) ON UPDATE CASCADE,
  ADD CONSTRAINT `RESERVATION_ibfk_2` FOREIGN KEY (`cnumber`) REFERENCES `CREDIT_CARD` (`cnumber`) ON UPDATE CASCADE;

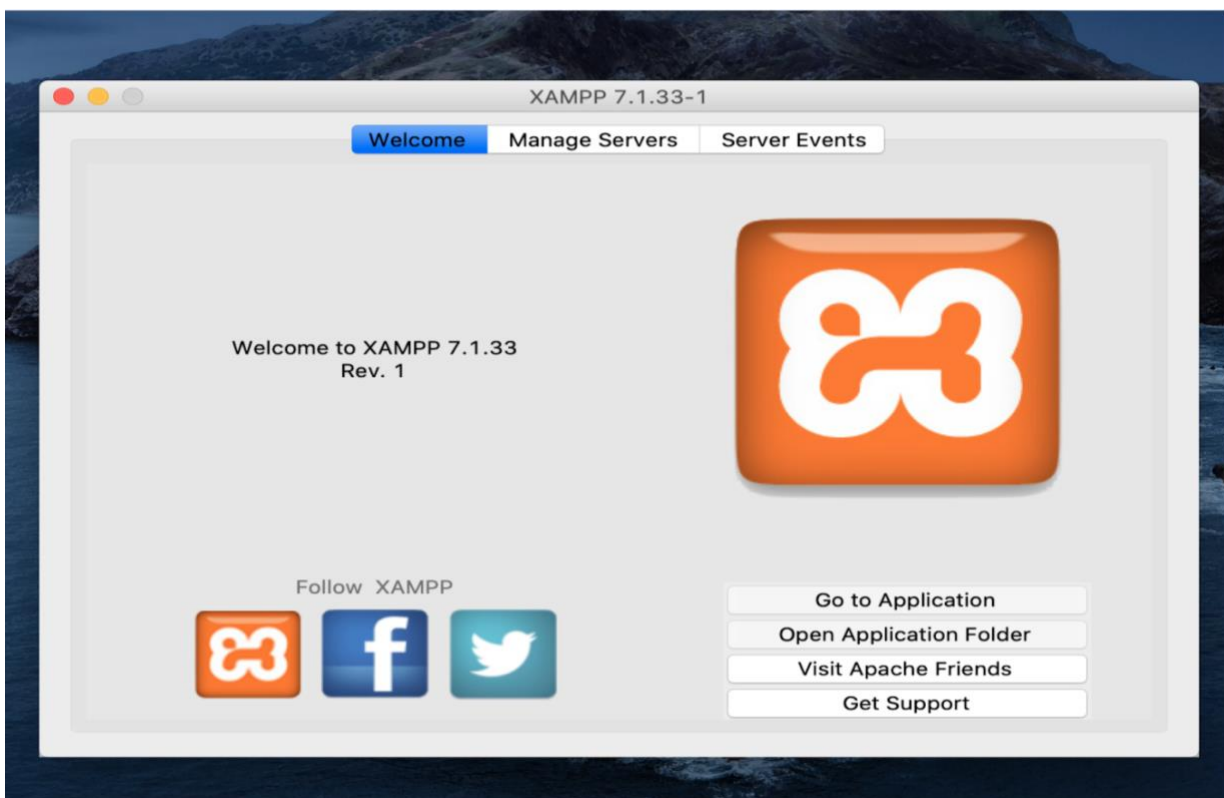
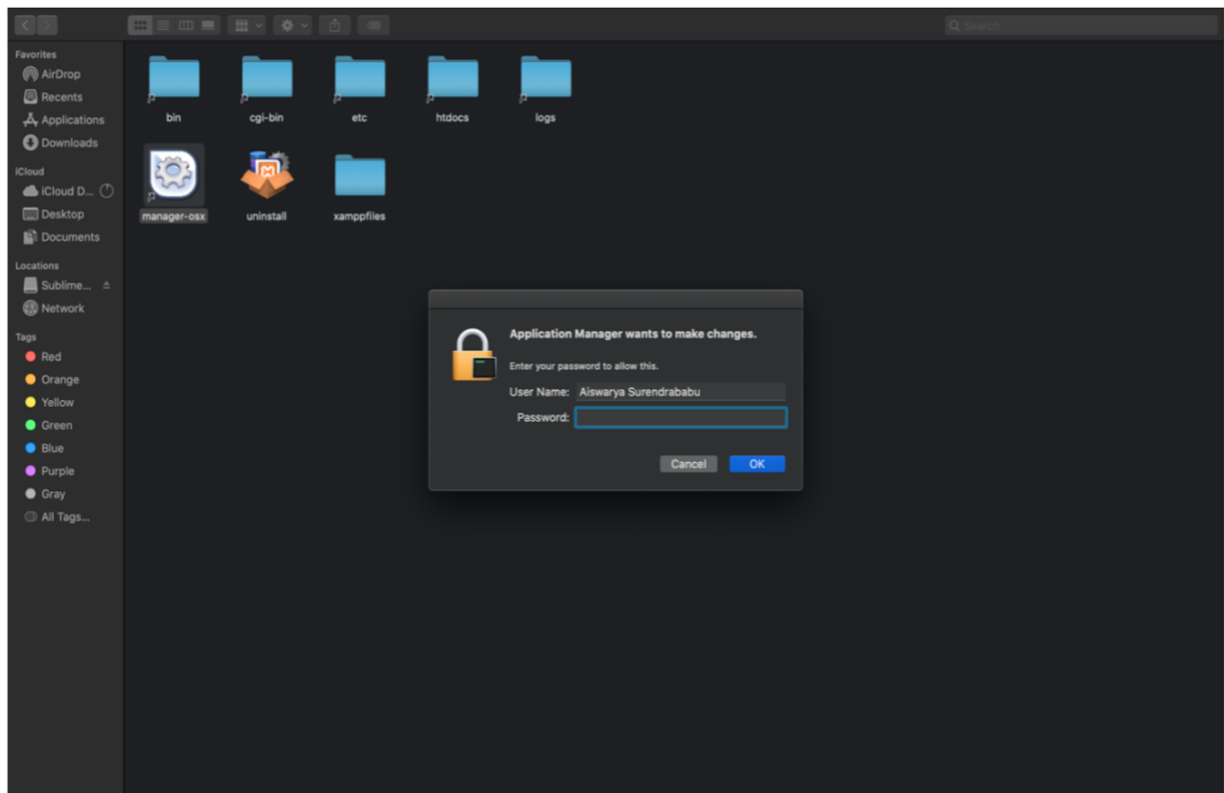
--
-- Constraints for table 'RESV_BREAKFAST'
--
ALTER TABLE `RESV_BREAKFAST`
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_1` FOREIGN KEY (`hotel_id`,`room_no`,`check_in_date`) REFERENCES `ROOM_RESERVATION` (`hotel_id`,`room_no`,`check_in_date`) ON UPDATE CASCADE,
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_2` FOREIGN KEY (`hotel_id`) REFERENCES `BREAKFAST` (`hotel_id`) ON UPDATE CASCADE,
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_3` FOREIGN KEY (`btype`) REFERENCES `BREAKFAST` (`btype`) ON UPDATE CASCADE;

--
-- Constraints for table 'ROOMS'
--
ALTER TABLE `ROOMS`
  ADD CONSTRAINT `ROOMS_ibfk_1` FOREIGN KEY (`hotel_id`) REFERENCES `HOTEL` (`hotel_id`) ON UPDATE CASCADE;

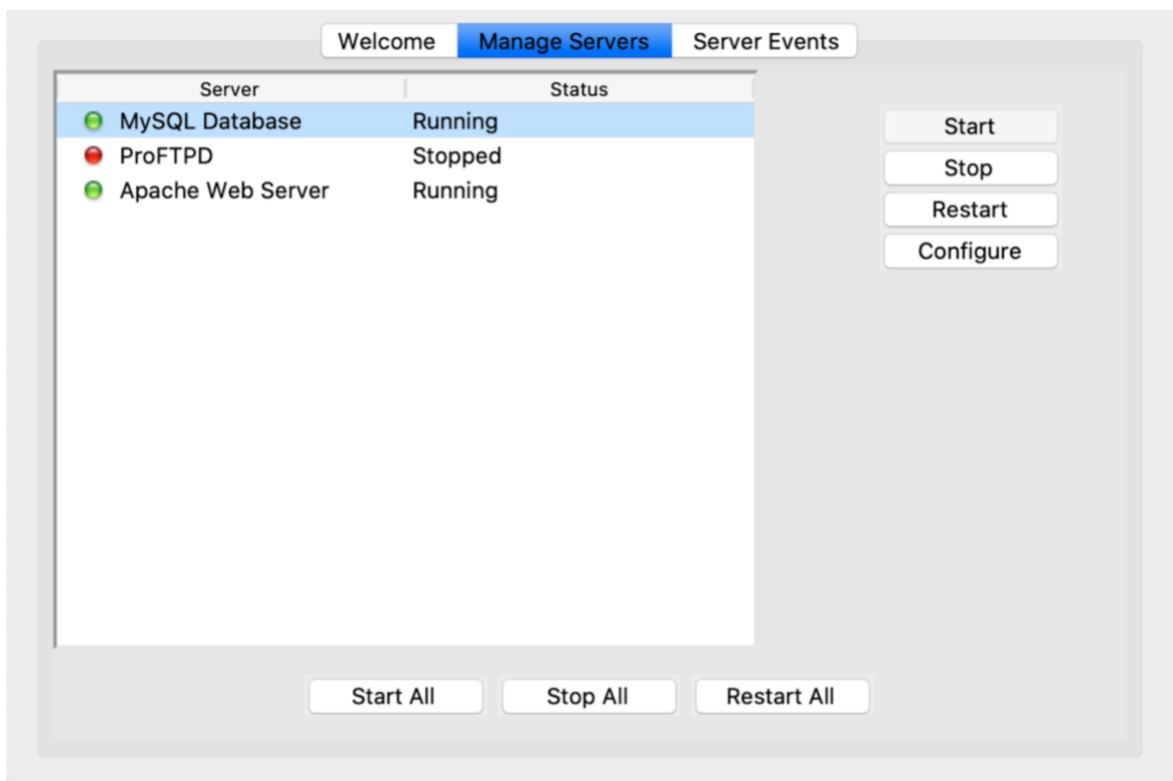
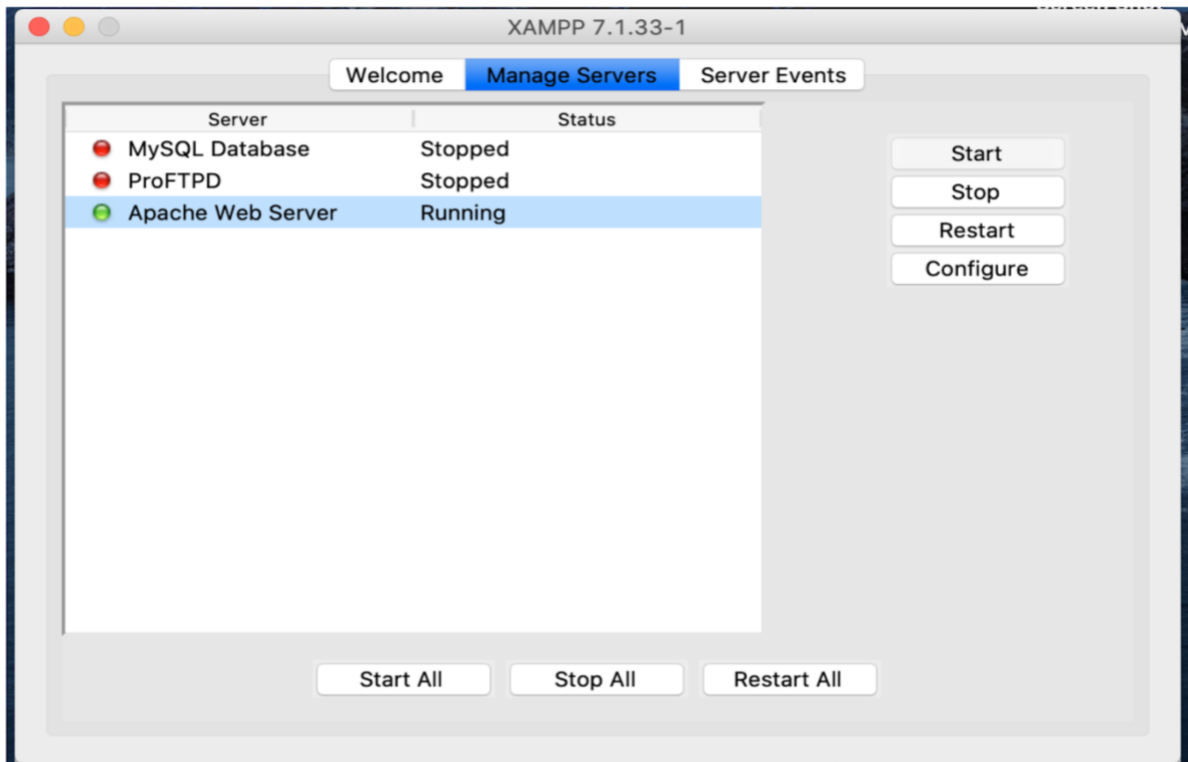
```

## RUNNING PROGRAM USING XAMPP:





## STARTING APACHE WEB SERVER AND MYSQL DATABASE





# CUSTOMER GUIDE

Customers need to register their email before making a reservation.

**HULTON**

ReservationsReviewsManager

LoginRegister

Register

Name

John Doe

Email

johndoe@gmail.com

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*\*

johndoe@gmail.com

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*\*

Address

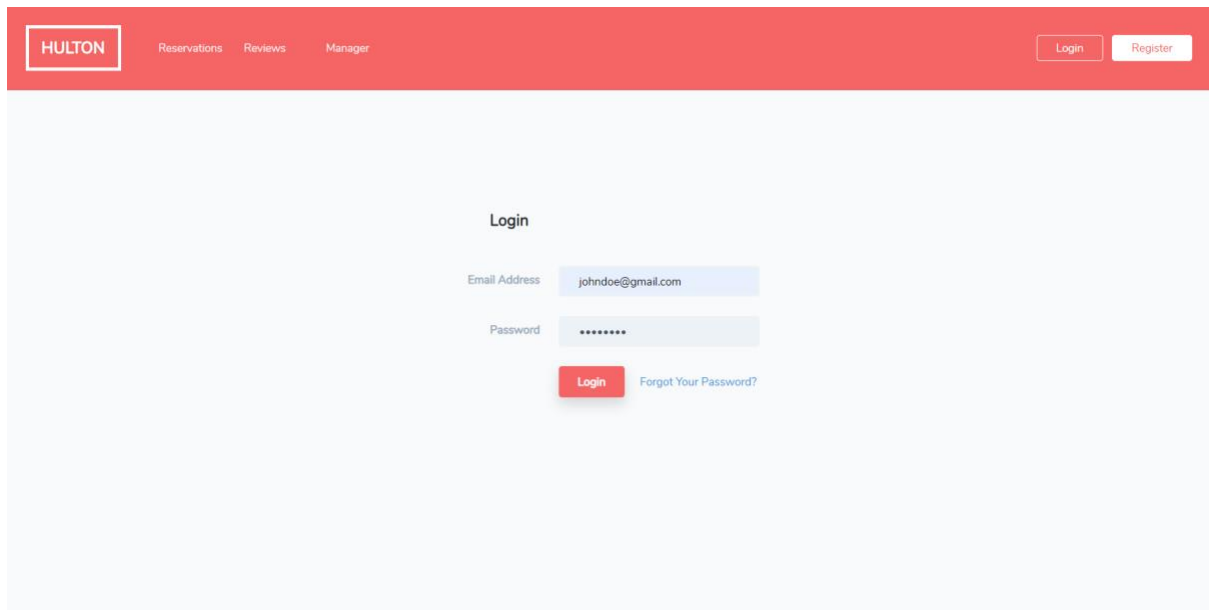
10, Johnson Ave, New Jersey, USA

Phone Number

5512214453

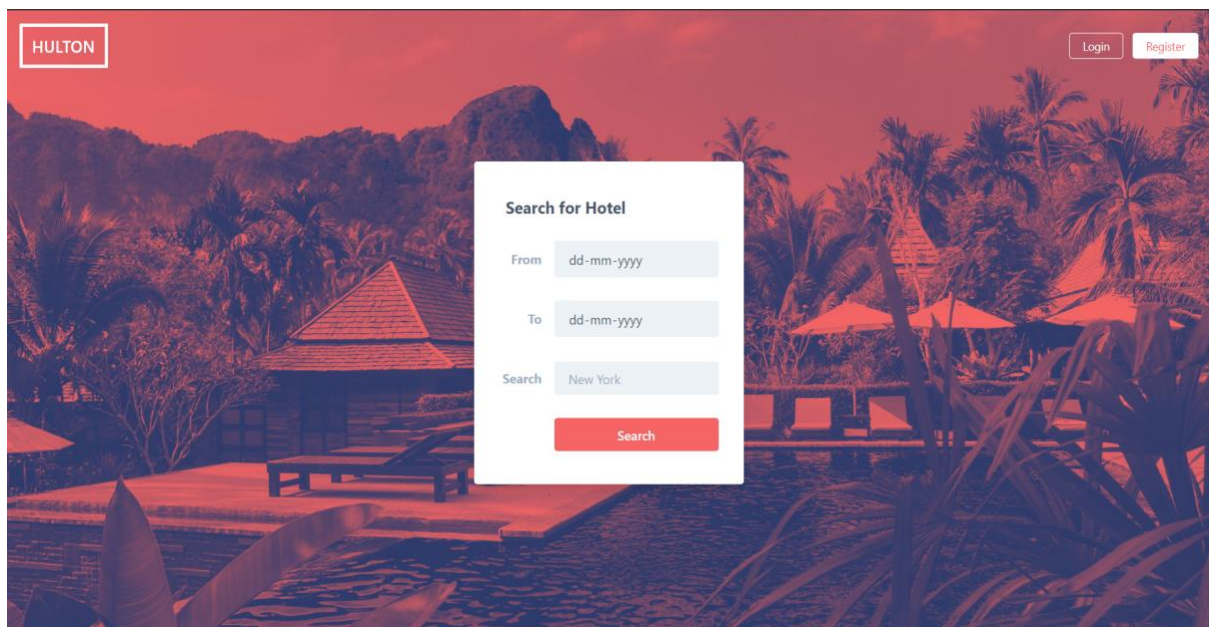
Register

This is the login page where you need to enter the registered email and password.



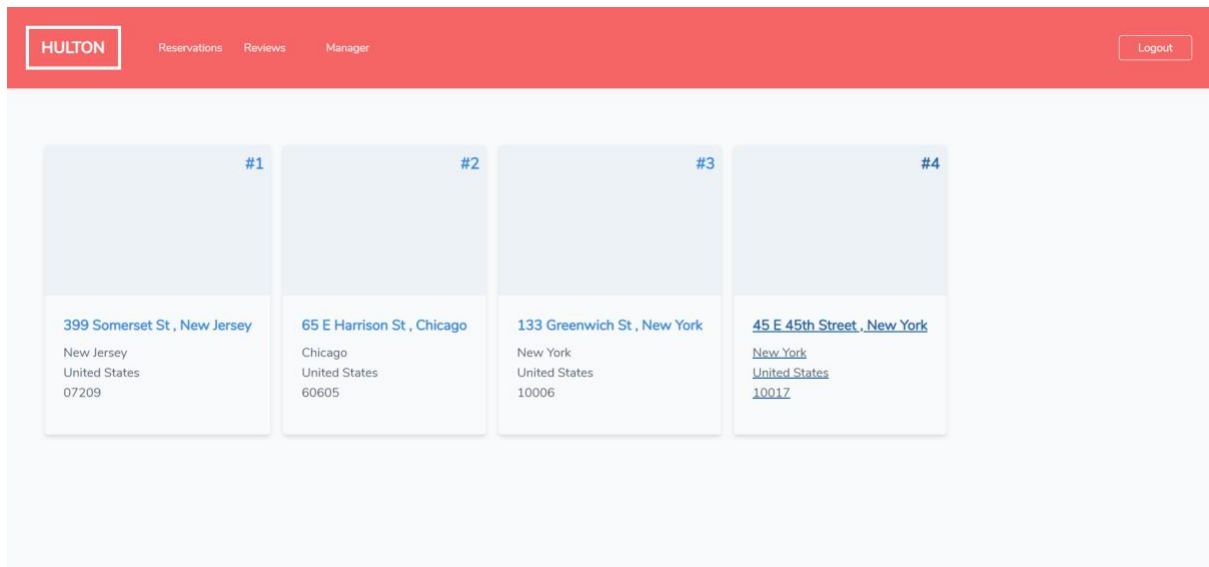
The screenshot shows the login page of the HULTON website. The header is red with the HULTON logo on the left and 'Reservations', 'Reviews', and 'Manager' links in the center. On the right, there are 'Login' and 'Register' buttons. The main content area is light blue and contains a 'Login' section. It has two input fields: 'Email Address' with the value 'johndoe@gmail.com' and 'Password' with masked characters '\*\*\*\*\*'. Below these fields are a red 'Login' button and a link for 'Forgot Your Password?'.

This is the homepage for searching hotel

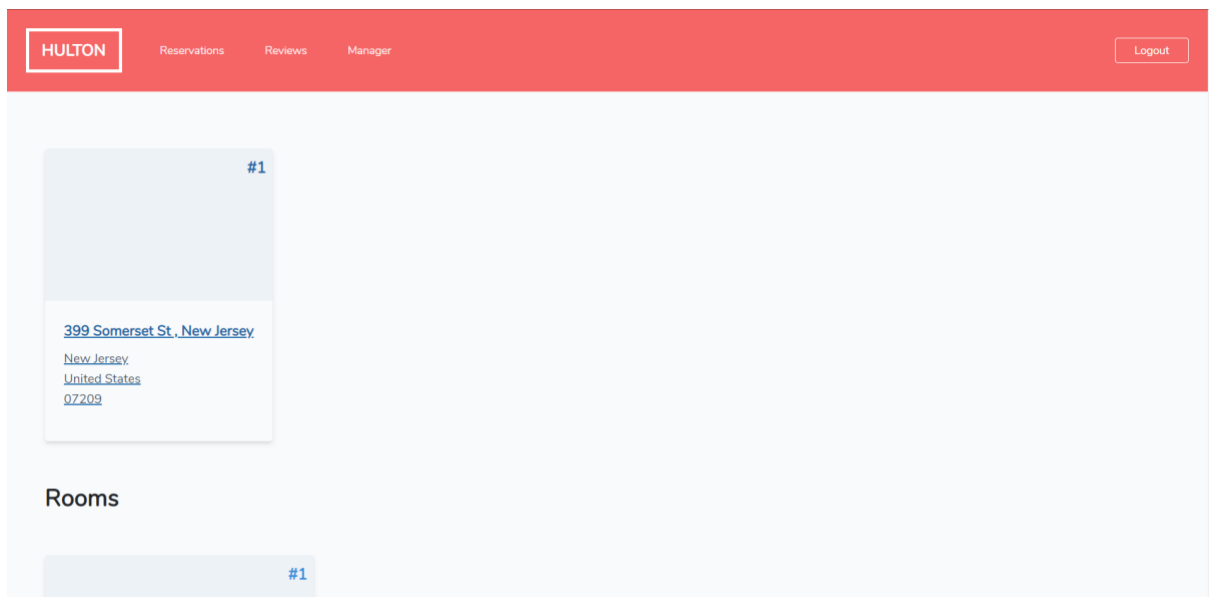


The screenshot shows the homepage of the HULTON website. The background is a tropical resort scene with palm trees and a building. The header is red with the HULTON logo on the left and 'Login' and 'Register' buttons on the right. A white search overlay is centered on the page. It is titled 'Search for Hotel' and contains three input fields: 'From' with the placeholder 'dd-mm-yyyy', 'To' with the placeholder 'dd-mm-yyyy', and 'Search' with the value 'New York'. Below these fields is a red 'Search' button.

This page includes the various hotels listed on the site.



You need to choose a hotel as per your requirement.



This page includes the options for rooms.

HULTON

ReservationsReviewsManager

Logout

<

Rooms

#1

Family Superior Deluxe Suite

~~\$103.2~~ **\$129**

Designed for up to 6 guests including children (4 - 17 years old), the Superior Family Deluxe offers one room with a king-size bed, liquor dispenser with top-shelf brands and more; while the connecting room has two double beds, a fully-stocked mini-bar.

Select

These are options for breakfast.

HULTON

ReservationsReviewsManager

Logout

Breakfast

American Breakfast

**\$15**

Breakfast that includes most or all of the following: two eggs (fried or poached), sliced bacon or sausages, sliced bread or toast with jam/jelly/butter, pancakes with syrup, cornflakes or other cereal, coffee/tea, orange/grapefruit juice.

English Breakfast

**\$20**

English breakfast, treated as a dish rather than a meal, includes bacon (traditionally back bacon), fried, poached or scrambled eggs, fried or grilled tomatoes, fried mushrooms, fried bread or buttered toast, and sausages (also known as "bangers").

This page includes all the services provided for that room.

HULTON

ReservationsReviewsManager

Logout

Service

Front Desk

\$2

This is the payment page where you give payment details before reserving a room.

HULTON

ReservationsReviewsManager

Logout

Payment

Name on card

John Doe

Card Type

Credit

Card Number

992233445566

Expiry Date

28-12-2020

CVV

112

Bank Address

WellsFargo, Broad Street, Newark

Card Number

992233445566

Expiry Date

28-12-2020

CVV

112

Bank Address

WellsFargo, Broad Street, Newark

Total

\$120

Pay

This is the confirmation page of the reservation made.

HULTON

[Reservations](#)[Reviews](#)[Manager](#)

Logout

Confirmation

Hotel #1

399 Somerset St , New Jersey , United States , 07209

Room #1

Family Superior Deluxe Suite

~~\$129~~ \$103

American Breakfast

\$15

Front Desk

\$2

Total

\$120

Checkout

# ADMINISTRATOR GUIDE

Manager can view the hotels listed, add, edit or delete the data.

HULTON

Logout

Hotels

Add

Hotel ID	Street	State	Country	ZIP	Actions		
1	399 Somerset St	New Jersey	United States	07209	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
2	65 E Harrison St	Chicago	United States	60605	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
3	133 Greenwich St	New York	United States	10006	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
4	45 E 45th Street	New York	United States	10017	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Adding a new hotel to the database

HULTON

Logout

Add Hotel

Street

33rd Street

State

NY

Country

USA

ZIP

012345

Add New

## Editing the existing hotel

HULTON

Logout

### Edit Hotel

Street

399 Somerset St

State

New Jersey

Country

United States

ZIP

07209

Update

## Deleting the Hotel

HULTON

Logout

### Delete Hotel

Hotel ID	Street	State	Country	ZIP
4	45 E 45th Street	New York	United States	10017

Are you sure, you want to Delete this Hotel?

Delete



## Editing the room

HULTON

Logout

### Edit Room

Room Number

1

Room Type

Family Superior Deluxe Suite

Price

129

Floor

2

Capacity

6

Description

Designed for up to 6 guests including children (4 - 17 years old), the Superior Family Deluxe offers one room with a king-size bed. Room also includes a kitchenette.

Update

We can Add new Rooms, Services, Breakfasts and offers to a Hotel.

HULTON

Logout

### Hotel #1

399 Somerset St  
New Jersey  
United States  
07209

Services

Breakfasts

Offers

### Rooms

Add

Room No.	Type	Price	Description	Floor	Capacity	Actions	Others
1	Family Superior Deluxe Suite	129	Designed for up to 6 guests including children (4 - 17 years old), the Superior Family Deluxe offers one room with a king-size bed, liquor dispenser with top-shelf brands and more; while the connecting room has two double beds, a fully-stocked mini-bar.	2	6	<div><div>Edit</div><div>Delete</div><div>Review</div><div>Reservation</div></div>	

## Breakfast

Add

## Hotel #1

399 Somerset St  
New Jersey  
United States  
07209

Rooms

Services

Offers

Type	Price	Description	Actions	Others
American Breakfast	15	Breakfast that includes most or all of the following: two eggs (fried or poached), sliced bacon or sausages, sliced bread or toast with jam/jelly/butter, pancakes with syrup, cornflakes or other cereal, coffee/tea, orange/grapefruit juice.	<a href="#">Edit</a>	<a href="#">Delete</a> <a href="#">Review</a> <a href="#">Reservation</a>
English Breakfast	20	English breakfast, treated as a dish rather than a meal, includes bacon (traditionally back bacon), fried, poached or scrambled eggs, fried or grilled tomatoes, fried mushrooms, fried bread or buttered toast, and sausages (also known as "bangers").	<a href="#">Edit</a>	<a href="#">Delete</a> <a href="#">Review</a> <a href="#">Reservation</a>

## Services

Add

## Hotel #1

399 Somerset St  
New Jersey  
United States  
07209

Rooms

Breakfasts

Offers

Type	Price	Actions	Others
Front Desk	2	<a href="#">Edit</a>	<a href="#">Delete</a> <a href="#">Review</a> <a href="#">Reservation</a>

## Offers

Add

## Hotel #1

399 Somerset St  
New Jersey  
United States  
07209

Rooms

Breakfasts

Services

Room Number	Room Type	Price	Discount in %	New Price	Start Date	End Date	Actions
1	Family Superior Deluxe Suite	129	20	103.2	2019-12-19	2019-12-25	<a href="#">Delete</a>

## Manager can view the Room Reviews

HULTON

Logout

Room #1

1  
Family Superior Deluxe Suite  
129  
Designed for up to 6 guests including children (4 - 17 years old), the Superior Family Deluxe offers one room with a king-size bed, liquor dispenser with top-shelf brands and more; while the connecting room has

Room Reviews

Review ID	Description	Customer ID	Rating
1	Beautiful hotel and artwork, friendly, helpful & personable staff, great breakfast buffet, wonderful views, sky lounge is amazing, as well as the spa...best massage ever!!! Steam room & salts bath very relaxing!	3	★★★★☆

## Manager can view the Room Reservations

HULTON

Logout

Room #1

1  
Family Superior Deluxe Suite  
129  
Designed for up to 6 guests including children (4 - 17 years old), the Superior Family Deluxe offers one room with a king-size bed, liquor dispenser with top-shelf brands and more; while the connecting room has

Room Reservations

Invoice No.	Customer	Reserved on	From	To
2345	Elizabeth Ford elizabeth@gmail.com 5512345678	2019-12-20	2019-12-20	2019-12-25
2347	Joby jb768@njit.edu 5512638077	2019-12-13	2019-12-23	2019-12-30
2349	John Doe johndoe@gmail.com 5512214453	2019-12-14	2019-12-16	2019-12-17

# SQL COMMANDS

## SQL Commands of Table Creation

```
-- phpMyAdmin SQL Dump
-- version 4.8.3
-- https://www.phpmyadmin.net/
--
-- Host: localhost:3306
-- Generation Time: Dec 12, 2019 at 09:03 AM
-- Server version: 5.6.46-cll-lve
-- PHP Version: 7.2.7
```

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
*/;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION
*/;
/*!40101 SET NAMES utf8mb4 */;
```

```
--
-- Database: `HultonHotelDB`
--
```

```
-----
-- Table structure for table `BREAKFAST`
-----
```

```
CREATE TABLE `BREAKFAST` (
  `hotel_id` int(12) UNSIGNED NOT NULL,
  `btype` varchar(50) NOT NULL,
  `bprice` int(12) UNSIGNED NOT NULL,
  `description` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `CREDIT\_CARD`  
-----

```
CREATE TABLE `CREDIT_CARD` (  
  `cnumber` int(12) UNSIGNED NOT NULL,  
  `ctype` varchar(255) NOT NULL,  
  `baddress` varchar(255) NOT NULL,  
  `code` int(12) UNSIGNED NOT NULL,  
  `expdate` date NOT NULL,  
  `name` varchar(255) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `CUSTOMER`  
-----

```
CREATE TABLE `CUSTOMER` (  
  `cid` int(12) UNSIGNED NOT NULL,  
  `name` varchar(255) NOT NULL,  
  `address` varchar(255) NOT NULL,  
  `phone_number` bigint(12) UNSIGNED NOT NULL,  
  `email` varchar(255) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-

-----  
-- Table structure for table `DISCOUNT\_ROOM`  
-----

```
CREATE TABLE `DISCOUNT_ROOM` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `room_no` int(12) UNSIGNED NOT NULL,  
  `discount` int(12) UNSIGNED NOT NULL,  
  `start_date` date NOT NULL,  
  `end_date` date NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `HOTEL`  
-----

```
CREATE TABLE `HOTEL` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `street` varchar(255) NOT NULL,  
  `country` varchar(255) NOT NULL,  
  `state` varchar(255) NOT NULL,  
  `zip` varchar(255) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `password\_resets`  
-----

```
CREATE TABLE `password_resets` (  
  `email` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `token` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `created_at` timestamp NULL DEFAULT NULL  
) ENGINE=MyISAM DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

-----  
-- Table structure for table `RESERVATION`  
-----

```
CREATE TABLE `RESERVATION` (  
  `invoice_no` int(12) UNSIGNED NOT NULL,  
  `cid` int(12) UNSIGNED NOT NULL,  
  `cnumber` int(12) UNSIGNED NOT NULL,  
  `rdate` date NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `RESV\_BREAKFAST`  
-----

```
CREATE TABLE `RESV_BREAKFAST` (  
  `btype` varchar(50) NOT NULL,  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `room_no` int(12) UNSIGNED NOT NULL,  
  `check_in_date` date NOT NULL,  
  `no_of_orders` int(12) UNSIGNED NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `ROOMS`  
-----

```
CREATE TABLE `ROOMS` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `room_no` int(12) UNSIGNED NOT NULL,  
  `rtype` varchar(255) NOT NULL,  
  `price` int(12) UNSIGNED NOT NULL,  
  `description` varchar(255) NOT NULL,  
  `floor` int(12) UNSIGNED NOT NULL,  
  `capacity` int(12) UNSIGNED NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

-----  
-- Table structure for table `ROOM\_RESERVATION`  
-----

```
CREATE TABLE `ROOM_RESERVATION` (  
  `invoice_no` int(12) UNSIGNED NOT NULL,
```

```
`hotel_id` int(12) UNSIGNED NOT NULL,  
`room_no` int(12) UNSIGNED NOT NULL,  
`check_in_date` date NOT NULL,  
`check_out_date` date NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
-----  
-- Table structure for table `ROOM_REVIEW`  
-----
```

```
CREATE TABLE `ROOM_REVIEW` (  
  `rid` int(12) UNSIGNED NOT NULL,  
  `rating` int(12) UNSIGNED NOT NULL,  
  `text` mediumtext,  
  `cid` int(12) UNSIGNED NOT NULL,  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `room_no` int(12) UNSIGNED NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
-----  
-- Table structure for table `RRESV_SERVICE`  
-----
```

```
CREATE TABLE `RRESV_SERVICE` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `stype` varchar(50) NOT NULL,  
  `room_no` int(12) UNSIGNED NOT NULL,  
  `check_in_date` date NO `stype` varchar(50) NOT NULL,  
  `cid` int(12) UNSIGNED NOT NULL,  
  `rating` int(12) UNSIGNED NOT NULL,  
  `text` text  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
-----  
-- Table structure for table `users`  
-----
```

```
CREATE TABLE `users` (  
  `id` bigint(20) UNSIGNED NOT NULL,T NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
-----  
-- Table structure for table `SERVICE`  
-----
```

```
CREATE TABLE `SERVICE` (  
  `hotel_id` int(12) UNSIGNED NOT NULL,  
  `stype` varchar(50) NOT NULL,  
  `sprice` int(12) UNSIGNED NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
-----  
-- Table structure for table `SERVICE_REVIEW`  
-----
```

```
CREATE TABLE `SERVICE_REVIEW` (
  `srid` int(12) UNSIGNED NOT NULL,
  `hotel_id` int(12) UNSIGNED NOT NULL,

  `name` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `email` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `email_verified_at` timestamp NULL DEFAULT NULL,
  `password` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `remember_token` varchar(100) COLLATE utf8mb4_unicode_ci DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=MyISAM DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

## SQL Commands of Table Population

```
-----
-- Dumping data for table `BREAKFAST`
-----
```

```
INSERT INTO `BREAKFAST` (`hotel_id`, `btype`, `bprice`, `description`) VALUES
(1, 'American Breakfast', 15, 'Breakfast that includes most or all of the following: two eggs
(fried or poached), sliced bacon or sausages, sliced bread or toast with jam/jelly/butter,
pancakes with syrup, cornflakes or other cereal, coffee/tea, orange/grapefruit juice.'),
(1, 'English Breakfast', 20, 'English breakfast, treated as a dish rather than a meal, includes
bacon (traditionally back bacon), fried, poached or scrambled eggs, fried or grilled tomatoes,
fried mushrooms, fried bread or buttered toast, and sausages (also known as \"bangers\").'),
(2, 'American Breakfast', 10, 'Breakfast that includes most or all of the following: two eggs
(fried or poached), sliced bacon or sausages, sliced bread or toast with jam/jelly/butter,
pancakes with syrup, cornflakes or other cereal, coffee/tea, orange/grapefruit juice.'),
(2, 'Continental Breakfast', 12, 'A hotel breakfast that include sliced bread with
butter/jam/honey, cheese, meat, croissants, pastries, rolls, fruit juice and various hot
beverages.');
```

```
-----
-- Dumping data for table `CREDIT_CARD`
-----
```

```
INSERT INTO `CREDIT_CARD` (`cnumber`, `ctype`, `baddress`, `code`, `expdate`,
`name`) VALUES
(123456789, 'Credit', 'Bank of America, Newark Ave', 345, '2020-02-14', 'Elizabeth Ford'),
(124563789, 'Debit', 'Chase, Frank E Rodgers Blvd', 387, '2020-04-24', 'James Albert');
```

```
-----
-- Dumping data for table `CUSTOMER`
-----
```



```
INSERT INTO `CUSTOMER` (`cid`, `name`, `address`, `phone_number`, `email`) VALUES
(1, 'James Albert', '225 Saint Pauls Ave', 5512341239, 'james@gmail.com'),
(2, 'Elizabeth Ford', 'ABC, Newark Ave', 5512345678, 'elizabeth@gmail.com'),
(3, 'Joby', '101NJIT', 5512638077, 'jb768@njit.edu');
```

```
-----
-- Dumping data for table `DISCOUNT_ROOM`
-----
```

```
INSERT INTO `DISCOUNT_ROOM` (`hotel_id`, `room_no`, `discount`, `start_date`,
`end_date`) VALUES
(1, 1, 20, '2019-12-19', '2019-12-25');
```

```
-----
-- Dumping data for table `HOTEL`
-----
```

```
INSERT INTO `HOTEL` (`hotel_id`, `street`, `country`, `state`, `zip`) VALUES
(1, '399 Somerset St', 'United States', 'New Jersey', '07209'),
(2, '65 E Harrison St', 'United States', 'Chicago', '60605'),
(3, '133 Greenwich St', 'United States', 'New York', '10006'),
(4, '45 E 45th Street', 'United States', 'New York', '10017');
```

```
-----
-- Dumping data for table `RESERVATION`
-----
```

```
INSERT INTO `RESERVATION` (`invoice_no`, `cid`, `cnumber`, `rdate`) VALUES
(2345, 2, 123456789, '2019-12-20'),
(2346, 2, 124563789, '2019-12-01');
```

```
-----
-- Dumping data for table `ROOMS`
-----
```

```
INSERT INTO `ROOMS` (`hotel_id`, `room_no`, `rtype`, `price`, `description`, `floor`,
`capacity`) VALUES
(1, 1, 'Family Superior Deluxe Suite', 129, 'Designed for up to 6 guests including children (4 -
17 years old), the Superior Family Deluxe offers one room with a king-size bed, liquor
dispenser with top-shelf brands and more; while the connecting room has two double beds, a
fully-stocked mini-bar.', 2, 6),
(2, 1, 'Governor Suite', 358, 'Even with a king size bed, and double whirlpool bath, the room
feels spacious and airy. Speaking of spacious, behold the massive walk-in closet,
immediately next a two-sink vanity and marble bathroom. ', 1, 2);
```

```
-----
-- Dumping data for table `ROOM_RESERVATION`
-----
```

```
INSERT INTO `ROOM_RESERVATION` (`invoice_no`, `hotel_id`, `room_no`,  
`check_in_date`, `check_out_date`) VALUES  
(2345, 1, 1, '2019-12-20', '2019-12-25');
```

```
-----  
-- Dumping data for table `ROOM_REVIEW`  
-----
```

```
INSERT INTO `ROOM_REVIEW` (`rid`, `rating`, `text`, `cid`, `hotel_id`, `room_no`)  
VALUES  
(1, 4, 'Beautiful hotel and artwork, friendly, helpful & personable staff, great breakfast buffet,  
wonderful views, sky lounge is amazing, as well as the spa...best massage ever!!! Steam  
room & salts bath very relaxing!', 1, 1, 1);
```

```
-----  
-- Dumping data for table `RRESV_SERVICE`  
-----
```

```
INSERT INTO `RRESV_SERVICE` (`hotel_id`, `stype`, `room_no`, `check_in_date`)  
VALUES  
(1, 'Front Desk', 1, '2019-12-20');
```

```
-----  
-- Dumping data for table `SERVICE`  
-----
```

```
INSERT INTO `SERVICE` (`hotel_id`, `stype`, `sprice`) VALUES  
(1, 'Front Desk', 2),  
(2, 'House Keeping', 10);
```

```
-----  
-- Dumping data for table `SERVICE_REVIEW`  
-----
```

```
INSERT INTO `SERVICE_REVIEW` (`srid`, `hotel_id`, `stype`, `cid`, `rating`, `text`)  
VALUES  
(1, 1, 'Front Desk', 2, 3, 'Very Good');
```

```
-----  
-- Dumping data for table `users`  
-----
```

```
INSERT INTO `users` (`id`, `name`, `email`, `email_verified_at`, `password`,  
`remember_token`, `created_at`, `updated_at`) VALUES  
(3, 'Joby', 'jb768@njit.edu', NULL,  
'$2y$10$rzwscHAvhXvt0KgU9pESTOuLsxKQQeT5D6AvUxYHZfoh3eD/IvGTW', NULL,  
'2019-12-10 12:44:40', '2019-12-10 12:44:40');
```

# Indexes and Auto Increment for Tables

```
-----  
-- Indexes for dumped tables  
-----
```

```
-----  
-- Indexes for table `BREAKFAST`  
-----
```

```
ALTER TABLE `BREAKFAST`  
  ADD PRIMARY KEY (`hotel_id`,`btype`),  
  ADD KEY `hotel_id` (`hotel_id`,`btype`),  
  ADD KEY `btype` (`btype`);
```

```
-----  
-- Indexes for table `CREDIT_CARD`  
-----
```

```
ALTER TABLE `CREDIT_CARD`  
  ADD PRIMARY KEY (`cnumber`),  
  ADD UNIQUE KEY `code` (`code`);
```

```
-----  
-- Indexes for table `CUSTOMER`  
-----
```

```
ALTER TABLE `CUSTOMER`  
  ADD PRIMARY KEY (`cid`);
```

```
-----  
-- Indexes for table `DISCOUNT_ROOM`  
-----
```

```
ALTER TABLE `DISCOUNT_ROOM`  
  ADD PRIMARY KEY (`hotel_id`,`room_no`);
```

```
-----  
-- Indexes for table `HOTEL`  
-----
```

```
ALTER TABLE `HOTEL`  
  ADD PRIMARY KEY (`hotel_id`),  
  ADD KEY `hotel_id` (`hotel_id`);
```

```
-----  
-- Indexes for table `RESERVATION`  
-----
```

```
ALTER TABLE `RESERVATION`  
  ADD PRIMARY KEY (`invoice_no`),  
  ADD KEY `CID` (`cid`),  
  ADD KEY `CNUMBER` (`cnumber`);
```

```
-----  
-- Indexes for table `RESV_BREAKFAST`  
-----
```

```
ALTER TABLE `RESV_BREAKFAST`  
  ADD PRIMARY KEY (`btype`,`hotel_id`,`room_no`,`check_in_date`),  
  ADD KEY `hotel_id` (`hotel_id`,`room_no`,`check_in_date`);
```

```
-----  
-- Indexes for table `ROOMS`  
-----
```

```
ALTER TABLE `ROOMS`  
  ADD PRIMARY KEY (`hotel_id`,`room_no`),  
  ADD KEY `hotel_id` (`hotel_id`);
```

```
-----  
-- Indexes for table `ROOM_RESERVATION`  
-----
```

```
ALTER TABLE `ROOM_RESERVATION`  
  ADD PRIMARY KEY (`hotel_id`,`room_no`,`check_in_date`),  
  ADD KEY `invoice_no` (`invoice_no`),  
  ADD KEY `hotel_id` (`hotel_id`,`room_no`,`check_in_date`);
```

```
-----  
-- Indexes for table `ROOM_REVIEW`  
-----
```

```
ALTER TABLE `ROOM_REVIEW`  
  ADD PRIMARY KEY (`rid`),  
  ADD KEY `CID` (`cid`),  
  ADD KEY `ROOM NO` (`room_no`),  
  ADD KEY `hotel_id` (`hotel_id`,`room_no`);
```

```
-----  
-- Indexes for table `RRESV_SERVICE`  
-----
```

```
ALTER TABLE `RRESV_SERVICE`  
  ADD PRIMARY KEY (`hotel_id`,`stype`,`room_no`,`check_in_date`),  
  ADD KEY `ROOM NO` (`room_no`),  
  ADD KEY `CHECK IN DATE` (`check_in_date`),  
  ADD KEY `STYPE` (`stype`,`hotel_id`),  
  ADD KEY `hotel_id` (`hotel_id`,`room_no`,`check_in_date`);
```

```
-----  
-- Indexes for table `SERVICE`  
-----
```

```
ALTER TABLE `SERVICE`  
  ADD PRIMARY KEY (`hotel_id`,`stype`),  
  ADD KEY `STYPE` (`stype`);
```

```
-----  
-- Indexes for table `SERVICE_REVIEW`  
-----
```

```
ALTER TABLE `SERVICE_REVIEW`  
  ADD PRIMARY KEY (`srid`),
```

```
ADD KEY `CID` (`cid`),  
ADD KEY `HOTEL ID` (`hotel_id`,`stype`);
```

```
-----  
-- Indexes for table `users`  
-----
```

```
ALTER TABLE `users`  
  ADD PRIMARY KEY (`id`);
```

```
-----  
-- AUTO_INCREMENT for dumped tables  
-----
```

```
-----  
-- AUTO_INCREMENT for table `CUSTOMER`  
-----
```

```
ALTER TABLE `CUSTOMER`  
  MODIFY `cid` int(12) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=4;
```

```
-----  
-- AUTO_INCREMENT for table `HOTEL`  
-----
```

```
ALTER TABLE `HOTEL`  
  MODIFY `hotel_id` int(12) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=5;
```

```
-----  
-- AUTO_INCREMENT for table `RESERVATION`  
-----
```

```
ALTER TABLE `RESERVATION`  
  MODIFY `invoice_no` int(12) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=2347;
```

```
-----  
-- AUTO_INCREMENT for table `ROOM_REVIEW`  
-----
```

```
ALTER TABLE `ROOM_REVIEW`  
  MODIFY `rid` int(12) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=2;
```

```
-----  
-- AUTO_INCREMENT for table `SERVICE_REVIEW`  
-----
```

```
ALTER TABLE `SERVICE_REVIEW`  
  MODIFY `srid` int(12) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=2;
```

```
-----  
-- AUTO_INCREMENT for table `users`  
-----
```

```
-----  
ALTER TABLE `users`  
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=4;
```

## Foreign Key Constraints for tables

```
-----  
-- Constraints for dumped tables  
-----
```

```
-----  
-- Constraints for table `BREAKFAST`  
-----
```

```
ALTER TABLE `BREAKFAST`  
  ADD CONSTRAINT `BREAKFAST_ibfk_1` FOREIGN KEY (`hotel_id`) REFERENCES  
  `HOTEL` (`hotel_id`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `DISCOUNT_ROOM`  
-----
```

```
ALTER TABLE `DISCOUNT_ROOM`  
  ADD CONSTRAINT `DISCOUNT_ROOM_ibfk_1` FOREIGN KEY  
  (`hotel_id`, `room_no`) REFERENCES `ROOMS` (`hotel_id`, `room_no`) ON UPDATE  
  CASCADE;
```

```
-----  
-- Constraints for table `RESERVATION`  
-----
```

```
ALTER TABLE `RESERVATION`  
  ADD CONSTRAINT `RESERVATION_ibfk_1` FOREIGN KEY (`cid`) REFERENCES  
  `CUSTOMER` (`cid`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `RESERVATION_ibfk_2` FOREIGN KEY (`cnumber`)  
  REFERENCES `CREDIT_CARD` (`cnumber`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `RESV_BREAKFAST`  
-----
```

```
ALTER TABLE `RESV_BREAKFAST`  
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_1` FOREIGN KEY  
  (`hotel_id`, `room_no`, `check_in_date`) REFERENCES `ROOM_RESERVATION`  
  (`hotel_id`, `room_no`, `check_in_date`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_2` FOREIGN KEY (`hotel_id`)  
  REFERENCES `BREAKFAST` (`hotel_id`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `RESV_BREAKFAST_ibfk_3` FOREIGN KEY (`btype`)  
  REFERENCES `BREAKFAST` (`btype`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `ROOMS`  
-----
```

```
-----  
ALTER TABLE `ROOMS`  
  ADD CONSTRAINT `ROOMS_ibfk_1` FOREIGN KEY (`hotel_id`) REFERENCES  
`HOTEL` (`hotel_id`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `ROOM_RESERVATION`  
-----
```

```
ALTER TABLE `ROOM_RESERVATION`  
  ADD CONSTRAINT `ROOM_RESERVATION_ibfk_1` FOREIGN KEY (`invoice_no`) REFERENCES  
`RESERVATION` (`invoice_no`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `ROOM_RESERVATION_ibfk_2` FOREIGN KEY  
(`hotel_id`,`room_no`) REFERENCES `ROOMS` (`hotel_id`,`room_no`) ON UPDATE  
CASCADE;
```

```
-----  
-- Constraints for table `ROOM_REVIEW`  
-----
```

```
ALTER TABLE `ROOM_REVIEW`  
  ADD CONSTRAINT `ROOM_REVIEW_ibfk_1` FOREIGN KEY (`cid`) REFERENCES  
`CUSTOMER` (`cid`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `ROOM_REVIEW_ibfk_2` FOREIGN KEY (`hotel_id`,`room_no`) REFERENCES  
`ROOMS` (`hotel_id`,`room_no`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `RRESV_SERVICE`  
-----
```

```
ALTER TABLE `RRESV_SERVICE`  
  ADD CONSTRAINT `RRESV_SERVICE_ibfk_4` FOREIGN KEY (`stype`,`hotel_id`) REFERENCES  
`SERVICE` (`stype`,`hotel_id`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `RRESV_SERVICE_ibfk_5` FOREIGN KEY  
(`hotel_id`,`room_no`,`check_in_date`) REFERENCES `ROOM_RESERVATION`  
(`hotel_id`,`room_no`,`check_in_date`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `SERVICE`  
-----
```

```
ALTER TABLE `SERVICE`  
  ADD CONSTRAINT `SERVICE_ibfk_1` FOREIGN KEY (`hotel_id`) REFERENCES  
`HOTEL` (`hotel_id`) ON UPDATE CASCADE;
```

```
-----  
-- Constraints for table `SERVICE_REVIEW`  
-----
```

```
ALTER TABLE `SERVICE_REVIEW`  
  ADD CONSTRAINT `SERVICE_REVIEW_ibfk_1` FOREIGN KEY (`cid`) REFERENCES  
`CUSTOMER` (`cid`) ON UPDATE CASCADE,  
  ADD CONSTRAINT `SERVICE_REVIEW_ibfk_2` FOREIGN KEY (`hotel_id`,`stype`) REFERENCES  
`SERVICE` (`hotel_id`,`stype`);
```

**THANK YOU**



