Richardson, Texas

ROOM RESERVATION FOR MEETINGS

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**ROOM RESERVATION FOR MEETINGS:**

**1.OVERVIEW:**

Room Reservation for Meetings is an application useful for reserving rooms for meetings. This application consists of two types of end users admin and the regular users. Admin manages the whole application and has got privileges like adding, deleting and editing the rooms along with the regular user privileges. Users can access, select and reserve rooms online.

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**2**.**FUNCTIONALITIES:**

**#Index Page**

**Navigation Bar**

- Home

- Reservation

- Room Availability

- Contact

- FAQ

-Admin Login

-Login (User Login/Signup)

**#Home Page:**

* Home page consists of three images for meeting, conference and co-working room reservations. On clicking, each of the image will redirect to the reservation page of the respective type of room.
* We have FAQS (Frequently asked questions) at the bottom of the page followed by contact details.

**#User Login/Signup:**

- User Name

- Password

- Login

- Cancel

**-** Forgot Password

**#My Account:**

Once logged in user has the following functionalities:

-Show profile

-Edit Details

-Booking history

-Log out

**#User Signup Form:**

- User Name

- First, Last Name

-EMAIL(to confirm identity)

- Confirm EMAIL

- Password, Confirm Password

- Submit

- Cancel

**#Admin Login:**

Once logged in addition to the user functionalities admin also has the following privileges:

- Add room

- Edit room

- Delete room

- Cancel/Modify Reservation

- Remove/Add User

**#Reservation:**

- Room type (Meeting, Co-Working, Conference)

- Reservation Date

- Proceed/Cancel

On clicking proceed button it will redirect you to the room availability page.

**#Room Availability/Slots:**

**-** Displays available rooms under of the selected type.

- Clicking on a room shows the details and available time slots for that specific room.

- Each room will have respective price and on selecting each slot the price will be multiplied with the number of selected slots and the total price will be displayed.

- Proceed, Back, Cancel buttons.

- On clicking proceed room reservation gets confirmed.

# ***Database Design***

DROP DATABASE IF EXISTS rmbkngdb;

CREATE DATABASE rmbkngdb;

USE rmbkngdb;

DROP TABLE IF EXISTS USERS;

CREATE TABLE USERS(

USR\_ID INT NOT NULL AUTO\_INCREMENT,

USR\_FNAME VARCHAR(100) NOT NULL,

USR\_LNAME VARCHAR(100) NOT NULL,

USR\_USERNAME VARCHAR(20) NOT NULL UNIQUE,

USR\_ISADMIN BOOLEAN NOT NULL DEFAULT 0,

USR\_EMAIL VARCHAR(320) NOT NULL,

USR\_PASSPHRASE VARCHAR(320) NOT NULL,

USR\_CRTD\_DT DATETIME DEFAULT CURRENT\_TIMESTAMP,

USR\_UPTD\_DT DATETIME,

PRIMARY KEY (USR\_ID)

);

DROP TABLE IF EXISTS ROOM\_TYPE;

CREATE TABLE ROOM\_TYPE(

RM\_TYP\_ID INT NOT NULL AUTO\_INCREMENT,

RM\_TYP\_NAME VARCHAR(320) NOT NULL,

RM\_TYP\_DESC VARCHAR(320),

PRICE DECIMAL(4,2) DEFAULT 0,

PRIMARY KEY(RM\_TYP\_ID)

);

DROP TABLE IF EXISTS ROOM;

CREATE TABLE ROOM(

RM\_ID INT NOT NULL AUTO\_INCREMENT,

RM\_NUM VARCHAR(5) NOT NULL UNIQUE,

RM\_CAPACITY INT DEFAULT 4,

RM\_TYPE INT NOT NULL,

RM\_DETAILS VARCHAR(320),

ADD\_COST DECIMAL(4,2) DEFAULT 0,

RM\_CRTD\_DT DATETIME,

RM\_UPTD\_DT DATETIME,

PRIMARY KEY(RM\_ID),

FOREIGN KEY (RM\_TYPE) REFERENCES ROOM\_TYPE(RM\_TYP\_ID)

);

DROP TABLE IF EXISTS TIME\_SLOTS;

CREATE TABLE TIME\_SLOTS(

TM\_SLT\_ID INT NOT NULL AUTO\_INCREMENT,

TM\_SLT\_START TIMESTAMP,

TM\_SLT\_END TIMESTAMP,

PRIMARY KEY(TM\_SLT\_ID)

);

DROP TABLE IF EXISTS ORDERS;

CREATE TABLE ORDERS(

ORDER\_ID INT NOT NULL AUTO\_INCREMENT,

ORDER\_USER VARCHAR(20),

ORDER\_COST DECIMAL(4,2) ,

ORDER\_TOTAL DECIMAL(4,2),

ORDER\_CRTD\_DT DATETIME DEFAULT current\_timestamp,

PRIMARY KEY (ORDER\_ID)

);

DROP TABLE IF EXISTS ENROLLMENTS;

CREATE TABLE ENROLLMENTS(

EN\_ID INT NOT NULL AUTO\_INCREMENT,

EN\_RM\_ID INT NOT NULL,

EN\_DATE DATE NOT NULL,

EN\_TIME INT NOT NULL,

EN\_ORDER\_ID INT NOT NULL,

IS\_ACTIVE BOOLEAN DEFAULT 1,

PRIMARY KEY (EN\_ID),

FOREIGN KEY (EN\_RM\_ID) REFERENCES ROOM(RM\_ID),

FOREIGN KEY (EN\_TIME) REFERENCES TIME\_SLOTS(TM\_SLT\_ID),

FOREIGN KEY (EN\_ORDER\_ID) REFERENCES ORDERS(ORDER\_ID)

);

# ***Languages/frameworks used for implementation***

* PHP
* MySQL
* MAMP
* Javascript
* jQuery
* Bootstrap
* HTML

# ***Screenshots of the application***

Reservation

A picture containing screenshot

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Room Availability

A screenshot of a cell phone

Description automatically generated

Reserve Slots

A screenshot of a social media post

Description automatically generated

A screenshot of a cell phone

Description automatically generated

Room Look up:

A screenshot of a cell phone

Description automatically generated

Reservation History:

A screenshot of a cell phone

Description automatically generated

User Details:

A screenshot of a social media post

Description automatically generated

Edit User Details:

A screenshot of a cell phone

Description automatically generated

Add Room:

A screenshot of a cell phone

Description automatically generated

Edit Room:

A close up of a logo

Description automatically generated

A screenshot of a cell phone

Description automatically generated

Delete Room:

A close up of a logo

Description automatically generated

A close up of a beach

Description automatically generated

Delete User:

A picture containing screenshot

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Contact Details and FAQs:

A screenshot of a cell phone

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Work Division:

Apoorva Godasu: (Full-stack Developer)

Responsible for developing Reservation functionalities of the application and worked on UI, database and tested the application.

Bhargav Ratnakar Allampally: (Full-stack Developer)

Responsible for developing admin functionalities and worked on UI and application testing along with database.

Chandana Yenugu: (Full-stack Developer)

Responsible for developing user functionalities and worked on UI and database design along with application testing.