SWE322_Advanced Web Programming

Lab 9

Advanced PhP/database connection

- Due date: Monday 13th , of May 2024.
- Work INDIVIDUALLY. No group work is accepted.
- Stick to deadlines! Late assignments will not be accepted.
- Submit your solution to the LMS system, do not send it by email.

Q1. Using phpMyAdmin in xampp, create a simple database schema for a hotel. The database will include tables for storing information about guests, rooms, and bookings. Here's the schema specifications:

guests table:

Name	Type
guest_id 🔑	int(11)
first_name	varchar(255)
last_name	varchar(255)
dob	date
gender	char(1)
address	varchar(255)
phone_number	varchar(20)
email	varchar(255)

rooms table:

Name	Type
room_number 🔑	int(11)
room_type	varchar(255)
price	decimal(10,2)

bookings table:

Name	Type
booking_id 🔑	int(11)
guest_id 🔑	int(11)
room_number 🔑	int(11)
check_in_date	date
check_out_date	date

Q2. Create an HTML page to collect user input for inserting guest information into the hotel database. Include buttons to display all guests and delete bookings based on booking ID:

Hotel Management System

Insert Guest Information

First Name: [   ]

Last Name: [   ]

Date of Birth: [mm/dd/yyyy 📅]

Gender: [Male ▾]

Address: [   ]

Phone Number: [   ]

Email: [   ]

[Insert Guest]

Actions

[Display Guests] [Delete Booking]

Q3. Write PHP code to manage the insertion of guest information into a database, display all guests, and allow for the deletion of a guest booking from the database.

Submission Requirements:

1. Export the database as an SQL file.
2. Upload the exported SQL file , HTML file, and the PHP files to the Learning Management System (LMS).

Hotel Management System

Insert Guest Information

First Name: Majdi

Last Name: Rawashdeh

Date of Birth: 06/19/2008

Gender: Male

Address: canada

Phone Number: 6132529993

Email: majdi@gmail.com

Insert Guest

Actions

Display Guests   Delete Booking

When you press   Insert Guest   it displays the following:

New guest record created successfully

When you press   Display Guests   it displays all guests in your database:

Guests

ID	Name	DOB	Gender	Address	Phone	Email
1	Alice Johnson	1985-07-20	F	Canada	123-456-7890	alice.johnson@yahoo.com
2	Bob Smith	1978-12-15	M	USA	987-654-3210	bob.smith@gmail.com
3	Charlie Brown	1990-04-05	M	Australia	456-789-0123	charlie.brown@msn.com
8	Majdi Rawashdeh	2008-06-19	M	canada	6132529993	majdi@gmail.com

If you press   Delete Booking   it prompts the user to enter the Booking ID as shown below:

localhost says

Enter Booking ID to delete:

8

OK   Cancel

One you press OK it displays.

Booking with ID 8 deleted successfully