

Project Report: The Variety Hotel Booking Application

By: Carina Vargas, Jorge Reyes, Dennisse Campos

1. Project Plan

- **Goal:** Create a basic website for The Variety Hotel to let people book rooms online.
- **What it does:** Shows hotel info, room types with basic details, and a booking form. Users can submit a booking request and see a confirmation with a total price, then proceed to a simple payment choice.
- **Key Parts:** Homepage (info, gallery, booking form), handles booking requests, basic payment option, stores info in a database.
- **Doesn't do:** Real-time room checks, user accounts, admin login, advanced payments, email confirmations, detailed room info, complex pricing.

2. Technical Details

- **How it was built:**
 - Used XAMPP .
 - Designed a database to store Guest, Booking, Room, and Payment info.
 - Made the website look good and added the booking form using HTML and CSS. JavaScript makes the booking form send data without reloading the page.
 - PHP code (booking_process.php) takes the booking info, checks it a little, saves the guest and booking details in the database, and shows a confirmation with a payment choice.
 - PHP code (payment_process.php) takes the payment choice and saves it in the database.
 - Created pages for the hotel gallery and bookings (though they might be mostly on the homepage now).
 - Wrote SQL commands in HotelDB_Script.sql to create the database.

- Tested everything to find and fix problems.

Key Code Ideas:

- **Booking Form (JavaScript):** Sends the booking info to the server without reloading the page.
- **Booking Process (PHP):** Gets booking info, saves it in the database, shows a confirmation and payment options.
- **Payment Process (PHP):** Saves the chosen payment method in the database.
-

3. Database Design

- **Tables:**

- **Guest:** Stores guest info (name, email).
- **Booking:** Stores booking details (who booked, room type, check-in, check-out, number of guests, total price). Links to Guest.
- **Payment:** Stores payment info (which booking, payment method, amount, date). Links to Booking.
- **Room Type:** Stores information based on what rooms are available

- **Connecting Tables (Joins):** We use joins in SQL to get info from more than one table at once.

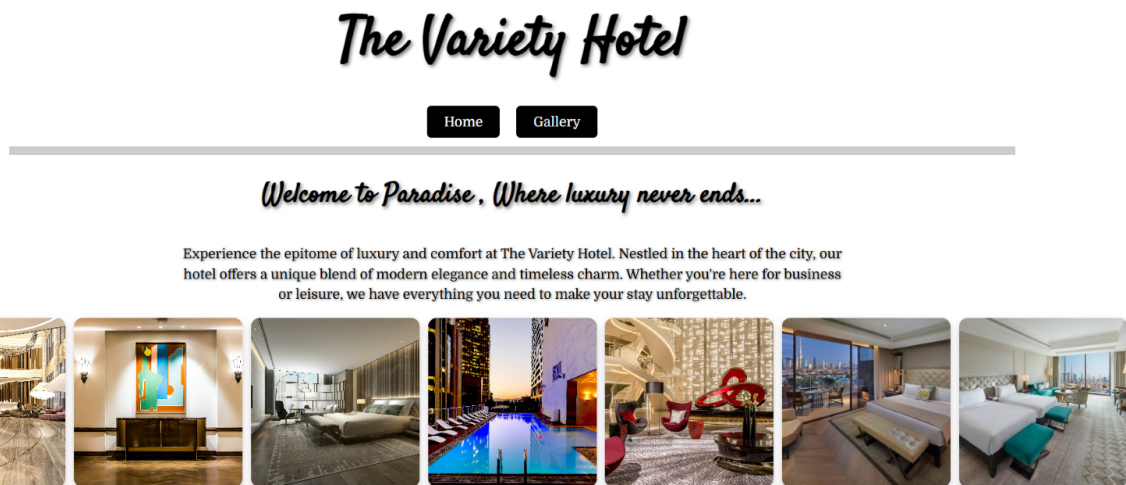
- **Example:** To see all bookings by a certain guest, we connect the Booking and Guest tables using the GuestID.
- **Example:** To see the payment for a specific booking, we connect the Booking and Payment tables using the BookingID.

User Guide: Booking Your Stay at The Variety Hotel

Welcome to the Variety Hotel online booking system! This guide will walk you through the simple steps to book your stay with us.


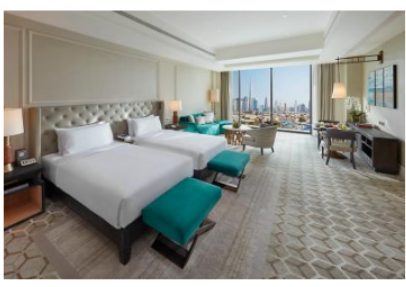

1. Visiting the Website

- **Step 1:** Open your web browser (e.g., Chrome, Firefox, Safari).
- **Step 2:** In the address bar, type in the website address for The Variety Hotel and press Enter.



2. Browsing the Hotel Information

- **Step 1:** On the homepage, you can read our welcome message and learn a bit about The Variety Hotel.
- **Step 2:** Scroll down to view our image gallery showcasing different parts of the hotel.

	<p>Single Bedroom</p> <p>\$199.99 Avg. Per night</p> <p>Check-in time: 3 PM</p> <p>Check-out time: 11 AM</p>
	<p>Double Bedroom</p> <p>\$299.99 Avg. Per night</p> <p>Check-in time: 3 PM</p> <p>Check-out time: 11 AM</p>
	<p>City View Suite</p> <p>\$399.99 Avg. Per night</p> <p>Check-in time: 3 PM</p> <p>Check-out time: 11 AM</p>

© 2023 The Variety Hotel. All rights reserved.

- **Step 3:** Continue scrolling to see the available room types with basic information like average price and check-in/check-out times.

3. Making a Booking Request

- **Step 1:** Locate the booking form on the homepage (or navigate to the "Bookings" page if it's a separate page by clicking the "Bookings" link in the navigation menu).
- **Step 2:** Fill out the **Guest Information** section:
 - Enter your **First Name**.
 - Enter your **Last Name**.
 - Enter your **Email Address**.

Luxury Awaits You...

Book your stay today and experience the best of hospitality.

Choose from a variety of rooms that suit your needs.


Guest Information


First Name:


Last Name:

Email:

Booking Information

Check-in Date:
 

Check-out Date:
 

Room Type:
 

Number of Guests:

Book Now

- **Step 3:** Fill out the **Booking Information** section:
 - Click on the **Check-in Date** field and select your desired check-in date from the calendar.
 - Click on the **Check-out Date** field and select your desired check-out date from the calendar.
 - Use the **Room Type** dropdown menu to choose the type of room you would like to book (e.g., Single Bedroom, Double Bedroom).

- Enter the **Number of Guests** who will be staying in the room.
- **Step 4:** Once you have filled in all the required information, click the **"Book Now"** button.

4. Viewing Booking Confirmation and Payment Options

- **Step 1:** After clicking "Book Now," the website will process your request and display a booking confirmation message along with the total price for your stay. You will also see a few options for payment.
- **Step 2:** Review your booking details and the total price.
- **Step 3:** Choose your preferred **Payment Method** from the dropdown menu.
- **Step 4:** Click the **"Proceed to Payment"** button.

Guest Information
First Name:
Dennisse
Last Name:
Campos
Email:
borahae030629@gmail

Booking Information
Check-in Date:
10/01/2025
Check-out Date:
10/18/2025
Room Type:
Double Bedroom
Number of Guests:
4
Book Now

Booking successful! Booking ID: 18, Total Price: 5100
Payment Method: Credit Card
Proceed to Payment

5. Payment Confirmation

- **Step 1:** After proceeding with the payment (in this simplified version), you will see a message confirming that your payment information has been recorded.

<div>Book Now</div>	
Booking successful! We will send your booking confirmation details to your email soon. Thank you for choosing Variety Hotel!	
	Single Bedroom

Congratulations! You have successfully made a booking request at The Variety Hotel. We look forward to welcoming you!