



**UMS**  
UNIVERSITI MALAYSIA SABAH

**FACULTY OF COMPUTING AND INFORMATICS**

**KK34703: WEB ENGINEERING**

**SEMESTER 1 2025/2026**

**LAB TEST 1**

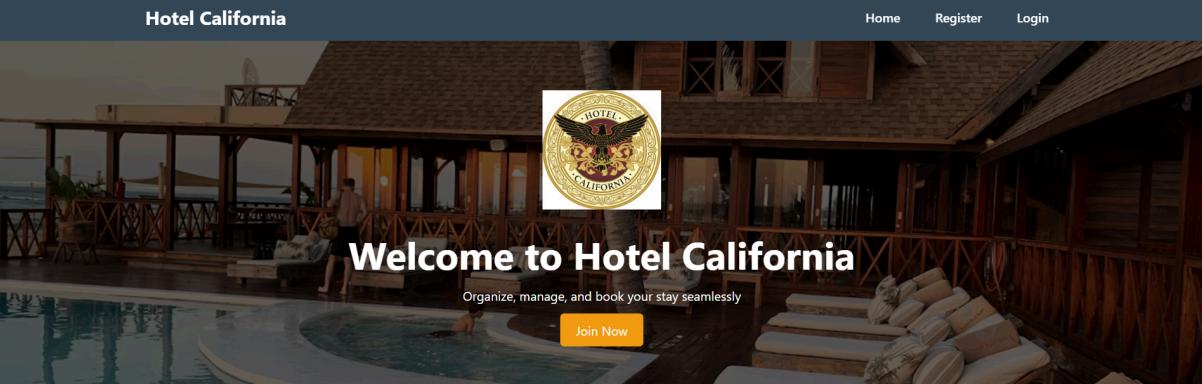
**HOTEL BOOKING MANAGEMENT SYSTEM**

**Prepared by,**

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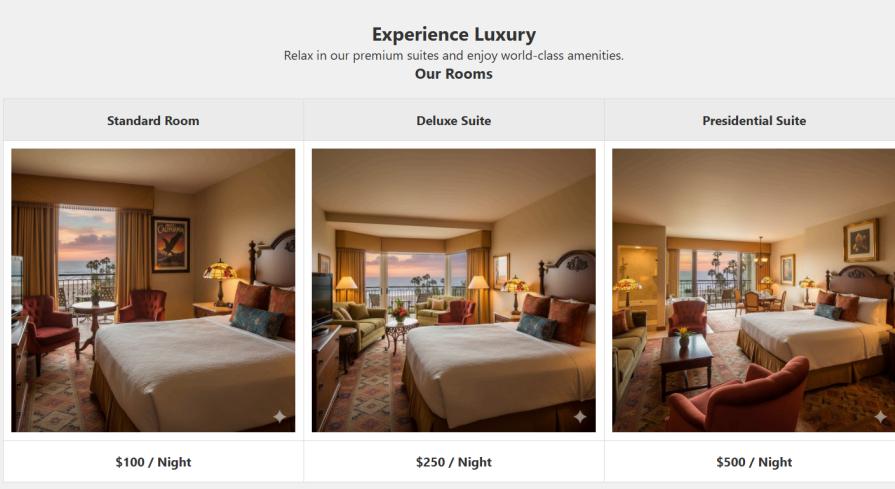
## 1.0 Home Page

This is the home page of Hotel California (Hotel Booking Management System). [Lab 2]



The screenshot shows the homepage of Hotel California. At the top, there's a dark header bar with the hotel's name in white. Below the header is a large banner featuring a photograph of a swimming pool and a building at dusk. In the center of the banner is a golden circular emblem with an eagle and the words "HOTEL CALIFORNIA". Below the banner, the text "Welcome to Hotel California" is displayed in a large, bold font. Underneath it, a smaller line of text reads "Organize, manage, and book your stay seamlessly". A yellow "Join Now" button is positioned below this text. At the very bottom of the banner, the words "Experience Luxury" and "Our Rooms" are visible. The main content area below the banner has a light gray background. It features three buttons labeled "Standard Room", "Deluxe Suite", and "Presidential Suite", each with a small thumbnail image underneath.

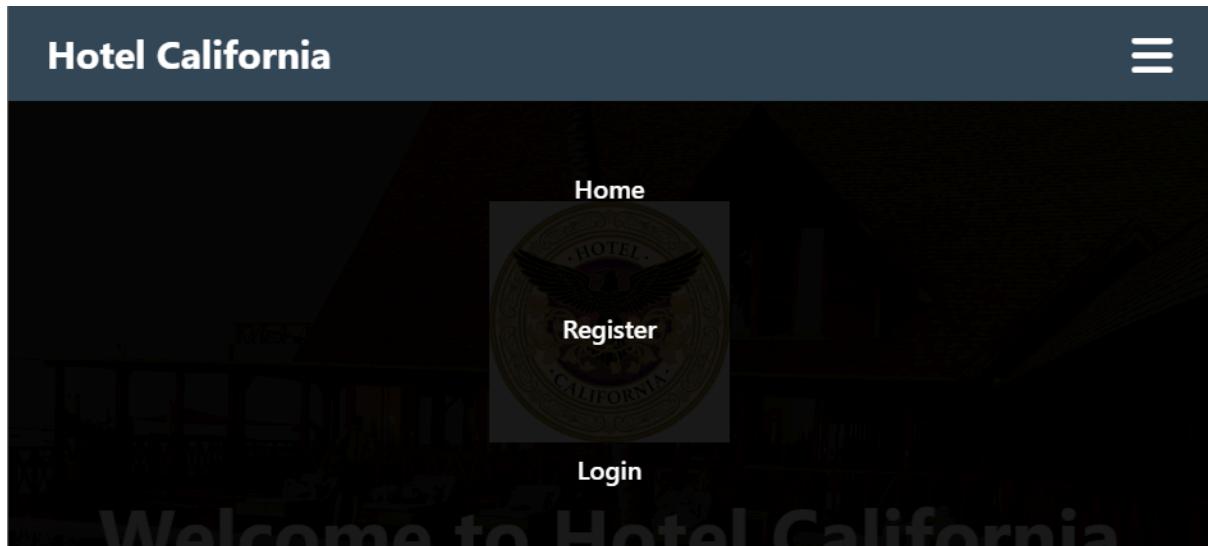
These are the types of rooms of Hotel California. [Lab 2]



The screenshot shows a section of the website dedicated to room types. It features a title "Experience Luxury" and a subtitle "Relax in our premium suites and enjoy world-class amenities." followed by a "Our Rooms" link. Below this, there's a grid of three room categories: "Standard Room", "Deluxe Suite", and "Presidential Suite". Each category has a small thumbnail image of the room, the room type name, and the price per night (\$100 / Night, \$250 / Night, or \$500 / Night) in a separate box at the bottom.

The Hamburger Icon for Navigation is shown when the size of the webpage is below 768px.

[Lab 2]



## 2.0 Registration Page

This page allows users to register accounts for Hotel California.[Lab 3]

The screenshot shows a registration form titled "Register". At the top, there is a dropdown menu labeled "Membership Tier" containing three options: "Silver (Free)", "Gold (\$50/yr)", and "Platinum (\$100/yr)". Below the dropdown are fields for "Full Name" (Jane Doe), "Email" (you@example.com), "Phone (10 Digits)" (0123456789), and "Password (6-8 Characters)" (Secret123). A section titled "I am interested in updates about:" contains several checkboxes: "Room Promotions" (checked), "Fine Dining", "Spa & Wellness", and "Hotel Events".

User register for an account. [Lab 3]

The screenshot shows a registration form with the same fields as the previous one. The "Room Promotions" checkbox is checked. The "Register" button is highlighted in green, while the "Reset" button is in a greyed-out state.

User successfully register an account. [Lab 3 - 4]

The screenshot shows a registration confirmation page. At the top, there's a dark header bar with the text "Hotel California" on the left and "Home Register Login" on the right. Below the header is a white content area with a title "Welcome to Hotel California!". Underneath the title, it displays the registered user's information: Name: John Doe, Email: JohnDoe@gmail.com, Phone: 0176586345, Membership Tier: Silver, and Your Selected Interests: Promotions. At the bottom of the content area, there are two links: "Back to Home" and "Edit Profile?".

The user wants to edit the profile. [Lab 3 - 4]

The screenshot shows a profile editing form. It has several input fields: "Name" (John Doe), "Email" (JohnDoe@gmail.com), "Phone (10 Digits)" (0176586345), and "Password (6-8 Characters)" (.....). Below these fields is a section titled "I am interested in updates about:" with several checkboxes. The checked boxes are: Room Promotions, Fine Dining, Spa & Wellness, and Local Tours. The unchecked boxes are: Hotel Events and Local Tours. At the bottom of the form are two buttons: a green "Register" button and a grey "Reset" button. Below the form, a status message reads "Editing Profile: John Doe".

The user successfully edited the profile. [Lab 3 - 4]

The screenshot shows a profile confirmation page. At the top, it says "Welcome to Hotel California!". Below the title, it displays the user's information: Name: John Doe, Email: JohnDoe@gmail.com, Phone: 0176586345, Membership Tier: Silver, and Your Selected Interests: Promotions, Dining, and Spa. At the bottom of the page, there are two links: "Back to Home" and "Edit Profile?".

### 3.0 Login Page

User login to his profile. [Lab 4]

The screenshot shows a login form titled "Login". It has two input fields: "Email:" containing "JohnDoe@gmail.com" and "Password:" containing "\*\*\*\*\*". Below the password field is a green "Login" button. At the bottom left of the form is a link "Forgot password?". The top navigation bar includes links for "Home", "Register", and "Login".

The user successfully logged in to his profile. [Lab 4]

The system uses the POST method. [Lab 4]

The screenshot shows a "Login Status" message indicating a successful login. It details the method used (POST), email (JohnDoe@gmail.com), and password (\*\*\*\*\*). Below the message is a link "Return Home". The top navigation bar includes links for "Home", "Register", and "Login".

## 4.0 Comments

I have used AI to help maximize and ease the usage of navigation bar by directly implementing javascript into nav.php to allow pages to navigate to each other without any redundant code.

```
include > 🌐 nav.php
1  <nav class="navbar">
2      <div class="nav-container">
3          <div class="logo">Hotel California</div>
4
5          <ul id="nav-links">
6              <li><a href="index.php">Home</a></li>
7              <li><a href="register.php">Register</a></li>
8              <li><a href="login.php">Login</a></li>
9          </ul>
10         <div class="menu-icon" id="menu-icon">
11             <i class="fas fa-bars"></i>
12         </div>
13     </div>
14 </nav>
15
16 <!-- AI Support -->
17 <!-- JavaScript is now INCLUDED here so it works on ALL pages -->
18 <script>
19     document.addEventListener("DOMContentLoaded", () => {
20         const menuIcon = document.getElementById('menu-icon');
21         const navLinks = document.getElementById('nav-links');
22
23         // Check if elements exist to avoid errors
24         if (menuIcon && navLinks) {
25             menuIcon.addEventListener('click', () => {
26                 // This toggles the 'active' class defined in your CSS
27                 navLinks.classList.toggle('active');
28             });
29         }
30     });
31 </script>
```

This piece of code examines whether the \$interests array holds values, to see if the user picked amenities. When choices are present, it runs through them, turning each into a cleaned and properly capitalised list item, When nothing is selected, instead, a simple note appears stating no interests were given.

```
<!-- AI Support -->
<!-- 1. Check if the interests array is NOT empty (User checked at least one box) -->
<?php if(!empty($interests)): ?>
    <p><strong>Your Selected Interests:</strong></p>
    <ul>
        <!-- 2. Loop through every selected item in the array -->
        <?php foreach($interests as $item): ?>
            <!-- 3. Print the item: capitalize first letter (ucfirst) and sanitize for security (htmlspecialchars) -->
            <li><?= htmlspecialchars(ucfirst($item)) ?></li>
        <?php endforeach; ?>
    </ul>
<!-- 4. Fallback: If array is empty, show this message instead -->
    <?php else: ?>
```