

CS5130 Term Project

Stay Hub: Your Room Reservation Solution

Team Members:

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Introduction

Stay Hub: Your Room Reservation Solution allows customers to book rooms according to their needs, filters can be applied to select room types from a variety of available rooms, and administrators can view and approve room reservations made by customers.



Database Design

Our Database contains 9 tables. The database name is 'stayhub'. The names of tables are :

room_master: this table contains the details of the rooms like room_id, type, maximum_capacity, price, image. In this table room_id is the primary key.

user_master: this table contains the details of the users like user_id, first_name, last_name, email, mobile, password, created_on. In this table user_id is the primary key.

bedding_master: this table contains the details of the type of beds available in the room like bedding_id, type, ratio with room.

booking_details: this table contains the details of the booking of the room like booking_id, user_id, no_of_adults, no_of_childs, check_in, check_out, booking_date, net_amount, status.

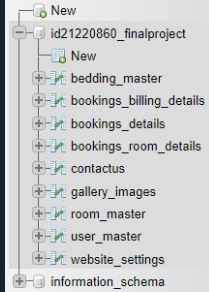
contactus: this table contains the details of the users who wants a call back like contact_id, user_id, full_name, mobile, email, received_on.

booking_billing_details: this table contains the billing details of the user like booking_id, first_name, last_name, mobile, email.

gallery_images: this table contains the images to be displayed on the website like image_id, file_name, caption.

booking_room_details: this table contains the information about the room that is booked like booking_id, room_id, bedding_id, room_price, ratio_with_room.

website_setting: this contains the information to be displayed to the user like setting_id, name, value.



id21220860_finalproject gallery_images

image_id : int(11)
file_name : varchar(100)
caption : varchar(255)

id21220860_finalproject room_master

room_id : int(11)
type : varchar(50)
maximum_capacity : int(11)
price : int(11)
image : varchar(100)

id21220860_finalproject bedding_master

bedding_id : int(11)
type : varchar(50)
ratio_with_room : decimal(4,2)

id21220860_finalproject website_settings

setting_id : int(11)
name : varchar(20)
value : varchar(1000)

id21220860_finalproject bookings_details

booking_id : int(11)
user_id : int(11)
no_of_adults : int(11)
no_of_childs : int(11)
check_in : datetime
check_out : datetime
booking_date : datetime
net_amount : decimal(10,2)
status : varchar(25)

id21220860_finalproject user_master

user_id : int(11)
first_name : varchar(25)
last_name : varchar(25)
email : varchar(64)
mobile : varchar(10)
password : varchar(100)
created_on : datetime

id21220860_finalproject bookings_billing_details

booking_id : int(11)
first_name : varchar(25)
last_name : varchar(25)
mobile : varchar(10)
email : varchar(64)

id21220860_finalproject bookings_room_details

booking_id : int(11)
room_id : int(11)
bedding_id : int(11)
room_price : int(11)
ratio_with_room : decimal(10,2)

id21220860_finalproject contactus

contact_id : int(11)
user_id : int(11)
full_name : varchar(50)
mobile : varchar(10)
email : varchar(64)
received_on : datetime



Functionality

admin.php: It is the admin interface with a navigation bar for managing website settings, rooms, bedding, contacts, gallery, and bookings. It dynamically displays data using PHP functions, includes jQuery for client-side scripting, and features a modal for gallery images. Logging out is possible via a dedicated link.


adminUpdate.php: It provides PHP functions for dynamically updating and retrieving data related to hotel bookings, room and bedding settings, contact details, and gallery settings. It utilizes PDO for database interaction, handles session authentication for admin access, and includes JavaScript functions for real-time updates on the admin interface.

bookings.php: It is an HTML document incorporating PHP and JavaScript, providing a dynamic interface for hotel bookings. It includes sections for new bookings and displaying existing bookings. User details are pre-filled for convenience, and real-time calculations of the booking amount based on room and date selections are performed. The page also allows users to view their booking history and search for specific bookings.

commonmethods.php: It contains PHP functions for common tasks. ``getManneredUserName`` formats and returns a user's full name. ``filterString`` sanitizes and converts a string to uppercase. ``getDateTimePrint`` formats a datetime string to a human-readable format.

email.php: It contains PHP functions for sending emails. The ``send_email`` function uses PHPMailer to send emails with Gmail SMTP. The ``updateStatusToUser`` function fetches booking details, constructs an email, and sends it to the user and the original email address, notifying about status updates in the Hotel Booking Management System.

getjson.php: It handles various update operations based on the provided parameters via GET requests. It interacts with a database using PDO, performing tasks such as updating booking statuses, modifying website settings, adjusting room prices, updating bedding ratios, and editing gallery image captions. The responses are encoded in JSON format.




home.php: It is an HTML file with embedded PHP code. It features sections for user navigation, a dynamic image slider, a gallery of hotel images, room details, contact information, and a Google Map. PHP functions are used to retrieve and display data, such as user details, gallery images, room information, and website settings. The design is responsive, and JavaScript functions enhance the user experience, providing features like image pop-ups and scroll-to-top functionality.

index.php: It is the login page for the Stay Hub. It includes forms for login, signup, and password recovery. PHP scripts handle user authentication, form submissions, and interaction with the database. JavaScript functions enhance the user interface, providing features like password visibility toggling and form switching.

loginCheck.php: It is a PHP script handling user authentication and account-related functions for the Stay Hub. It validates login credentials, processes new user sign-ups, and facilitates password recovery by sending emails. The script interacts with the database using PDO and utilizes common methods for filtering and sending emails.

logout.php: It is an HTML page with embedded JavaScript for handling user logout in the Stay Hub. It displays a message confirming successful logout and provides an automatic redirection countdown to the login page. Users are redirected to the login page after a few seconds, or they can manually navigate by clicking a link.

main.js: This script is part of a web application and contains functions for managing user interactions, form submissions, and dynamic content updates. It handles tasks such as loading different panels, calculating booking details, updating website settings, and managing slideshow functionality. Additionally, it includes functions for filtering and validating user inputs in various forms.



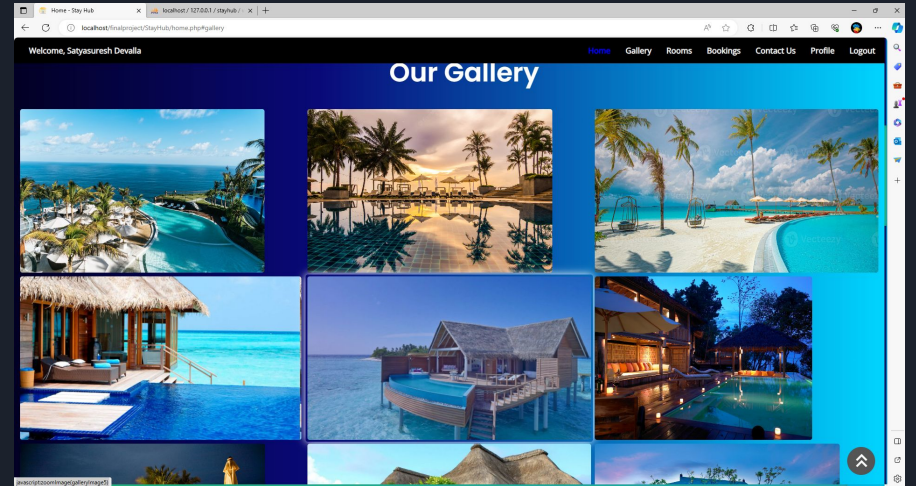
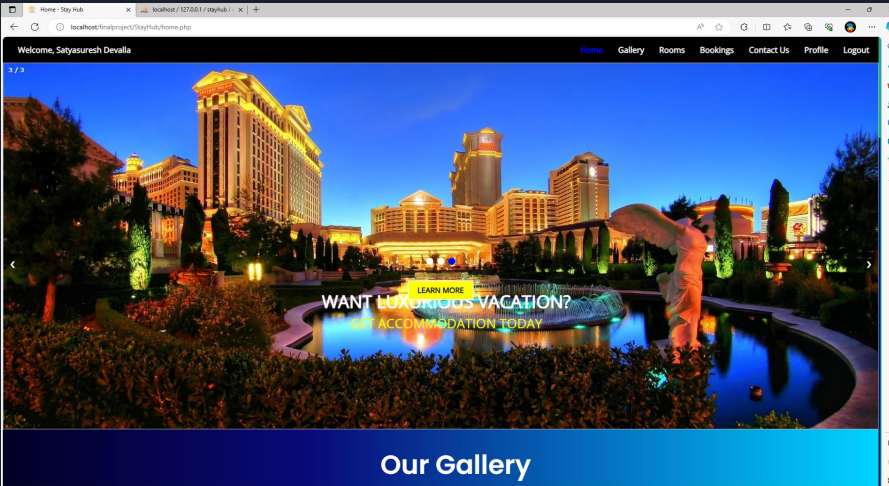
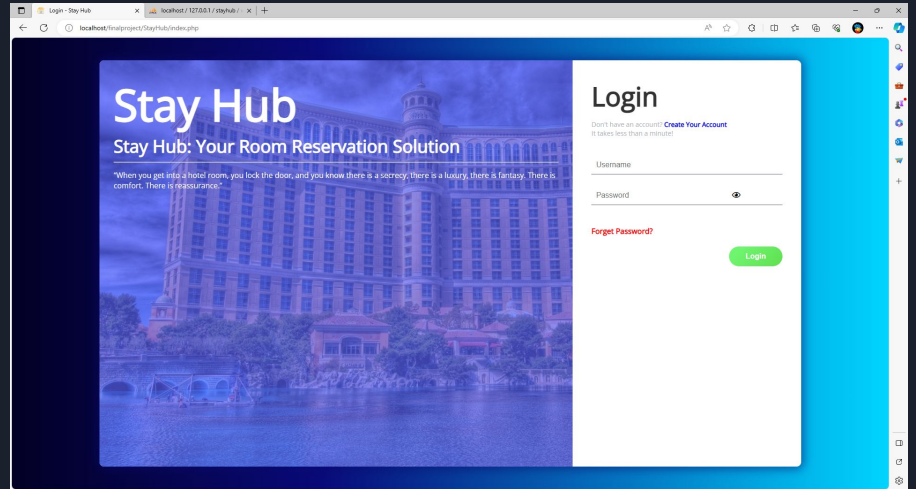
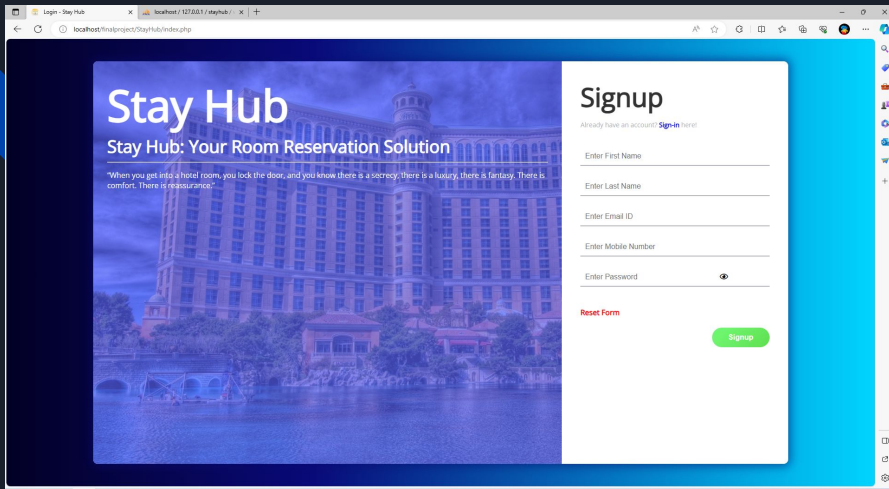
profile.php: This file is a web page for user profiles, providing a form to update personal information and change passwords. It includes JavaScript for password visibility toggling, form validation, and a confirmation modal for account deletion. Additionally, the page integrates with a `profileUpdate.php` script to handle profile updates and deletions.

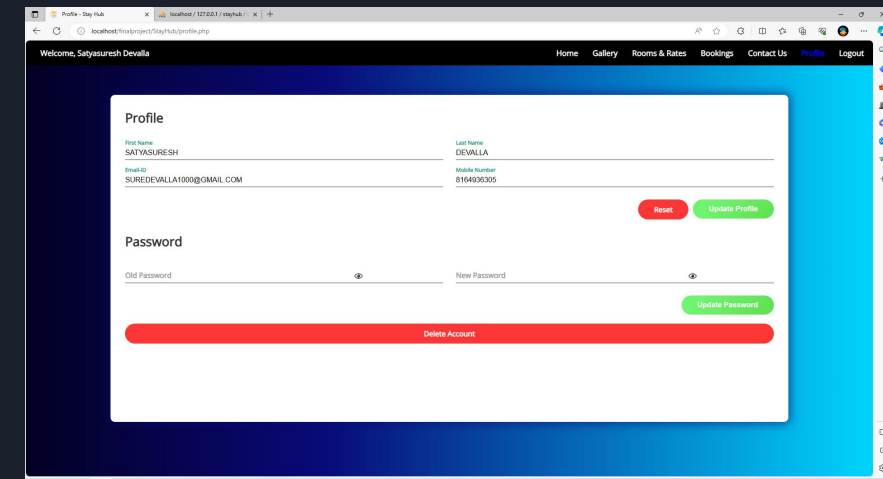
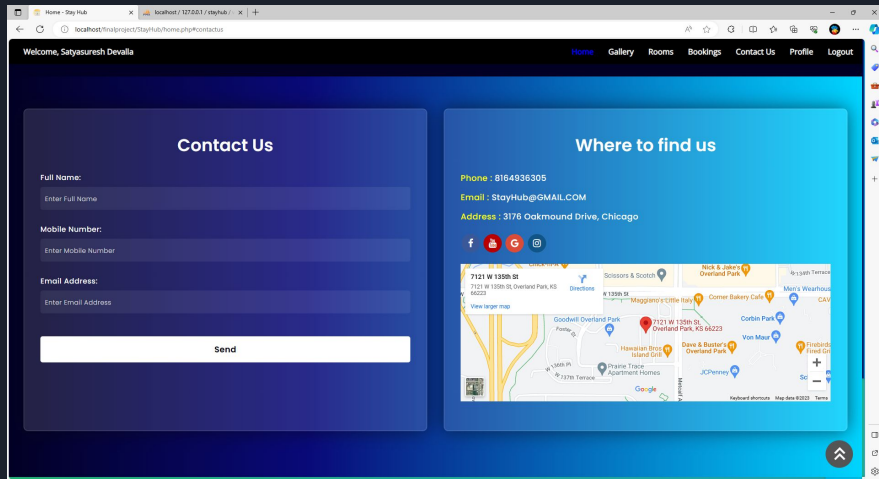
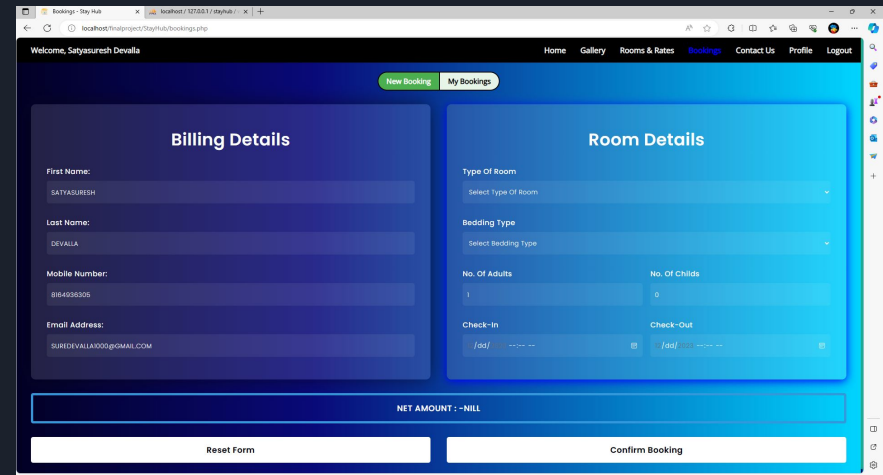
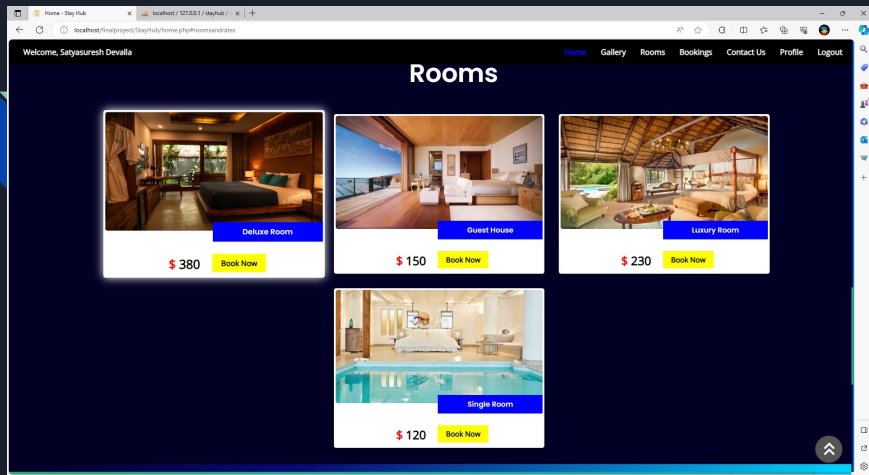
profileUpdate.php: This PHP script is a backend component handling user profile updates in a room booking system. It includes functions for updating user information, deleting accounts, submitting contact details, and changing passwords. The script integrates with external files for email functionality, database operations, and common methods, providing appropriate error handling and session management.

roomdetailsUpdate.php: This PHP script serves as a backend component for handling room bookings. It includes functions for retrieving room and bedding details, displaying user bookings with status and cancellation options, and processing new room bookings. The script integrates with external files for email functionality, database operations, and common methods, providing appropriate error handling and session management.

updateroomstatus.php: This HTML script redirects users based on session data (``bookingId`` and ``sessionOf``). If the session data indicates an admin action, it updates the booking status to notify the user and redirects to the admin page; otherwise, it redirects to the user's bookings page. If no session data is present, it redirects to the index page. The script uses jQuery for asynchronous communication with the server to update the booking status.

websitesettings.php: This PHP script interacts with a database to retrieve and display website settings. The ``getSettingValue`` function retrieves the value of a specific setting by its name. The ``getSettings`` function fetches all website settings from the database and generates HTML elements for each setting, allowing users to view and update the values interactively.







Thank you