ONLINE HOTEL RESERVATION SYSTEM - TECHNICAL DOCUMENTATION

Overview

This project is a web-based online hotel reservation system developed primarily using PHP, HTML, CSS, javascript, and mysql. It allows users to view hotel information, browse rooms, make reservations, and for administrators to manage bookings, rooms, and user accounts.

Project structure

Root directory: contains main user-facing pages (e.G., `Index.Php`, `aboutus.Php`, `reservation.Php`, etc.).

- **Admin/**: admin dashboard and management scripts (accounts, rooms, reservations, check-in/out, etc.).

- **Css/**: stylesheets for the site, including bootstrap and custom styles.

- **Js/**: javascript files for interactivity and data tables.

- **Images/**: image assets for the site, including galleries and UI icons.

- **DATABASE/**: contains the SQL file for the database schema (`db_hor.Sql`).

- **Fonts/**: font files used by the site.

- **Photo/**: additional images, such as logos and staff photos.

Key features

User side

- Home page (`index.Php`)**: landing page with hotel overview.

- About us (`aboutus.Php`)**: information about the hotel.

- Gallery (`gallery.Php`)**: photo gallery of the hotel and rooms.

- Reservation (`reservation.Php`)**: form for users to reserve rooms.

- Contact us (`contactus.Php`)**: contact information and inquiry form.

- Dining (`dineandlounge.Php`)**: information about dining options.

- Rules and regulations (`rulesandregulation.Php`)**: hotel policies.

Admin side (`admin/`)

*- **Login (`login.Php`)**: admin authentication.*

*- **Dashboard (`home.Php`)**: overview of reservations and statistics.*

*- **Room management (`room.Php`, `add_room.Php`, `edit_room.Php`, `delete_room.Php`)**: CRUD operations for rooms.*

*- **Account management (`account.Php`, `add_account.Php`, `edit_account.Php`, `delete_account.Php`)**: manage admin accounts.*

*- **Reservation management (`reserve.Php`, `confirm_reserve.Php`, `delete_pending.Php`)**: view, confirm, or delete reservations.*

*- **Check-in/check-out (`checkin.Php`, `checkout.Php`)**: manage guest check-in and check-out processes.*

*- **Transaction history (`transaction.Php`)**: view completed transactions.*

*- **Validation (`validate.Php`)**: input validation scripts.*

- **Admin login is: Username: admin Password: admin

Database

- **Schema file**: `DATABASE/db_hor.Sql`

- **Main tables**: likely includes tables for users, rooms, reservations, transactions, and admin accounts.

Technologies used

Backend: PHP (procedural style)

Frontend: HTML, CSS (bootstrap), javascript (jquery, datatables)

Database: mysql

How to run

1. Import the `db_hor.Sql` file into your mysql server to set up the database.

2. Configure database connection settings in `admin/connect.Php`.

3. Deploy the project files to a php-enabled web server (e.G., Xampp, wamp, lamp).

4. Access the site via your browser (e.G., `Http://localhost/online_hotel_reservation/`).

Security considerations

- Ensure proper input validation and sanitization to prevent SQL injection and XSS.

- Use secure passwords for admin accounts.

- Restrict access to the `admin/` directory to authorized users only.

Customization

- Update images in the `images/` and `photo/` folders as needed.

- Modify styles in `css/style.Css` for branding.

- Edit content pages (`aboutus.Php`, `contactus.Php`, etc.) For hotel-specific information.