**PROJECT**

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**WORLD WALLET EXPENSE**

**1.INTRODUCTION**

This project aims to develop a user-friendly platform that integrates affordable room reservations with nearby budget-friendly restaurant discovery and wallet-based expense management. The application is designed to cater to cost-conscious travellers by providing a comprehensive solution that allows users to book affordable accommodations, find economical dining options, and manage their expenses efficiently.

The platform enables users to search for and reserve rooms based on affordability, with features that allow them to filter options by price, location, and amenities. Detailed room descriptions, user reviews, and ratings help users make informed decisions. Alongside, the application offers a feature to discover nearby restaurants that fit within the user’s budget, allowing them to explore various cuisine options without overspending.

A key component of the system is the integrated wallet, which lets users manage their finances by adding funds, tracking expenses, and viewing transaction history. This wallet system is linked with the room booking and restaurant ordering features, enabling seamless and secure payments directly from the wallet. Users receive real-time notifications regarding booking confirmations, order statuses, and wallet balance updates, ensuring a smooth and transparent experience.

**KEY FEATURES**

* User Authentication:
* User sign-up and login system.
* User profile management.
* Room Reservation:
* Browse and search for available rooms.
* Room details including pricing, amenities, and reviews.
* Room reservation and booking system.
* Cancellation and refund policies.
* Nearby Restaurants:
* Find restaurants near the reserved room.
* Filter options (cuisine type, price range, rating).
* View restaurant menus and reviews.
* Map integration to show restaurant locations.
* Food Ordering:
* Place orders from nearby restaurants.
* Track order status.
* Payment integration with the wallet system.
* Wallet Management:
* Add funds to the wallet.
* Track expenses (room reservations, food orders).
* Transaction history.
* Integration with payment gateways for top-ups.
* Notifications:
* Reservation confirmation.
* Order updates.
* Wallet balance alerts.

**SYSTEM STUDY AND ANALYSIS**

**2.1.EXISTING SYSTEM**

Currently, budget-conscious travelers face challenges due to the fragmented nature of existing travel solutions. Different platforms cater to specific needs, such as room booking, restaurant discovery, and expense management, but no single platform integrates all these features, leading to inefficiency and inconvenience. Proposed System: Integrated Travel Management Platform

**2.3.PROPOSED SYSTEM**

The proposed system offers an all-in-one platform for budget-conscious travelers, integrating room booking, restaurant discovery, food ordering, and expense management to provide a seamless experience.

**2**.**4**.**BENEFITS**

a. Streamlined Travel : Integrates multiple services into one app for a seamless experience.

b. Improved Budget Management : Real-time expense tracking and digital wallet help manage travel cost effectively.

c. Personalized Recommendations : Offers tailored suggestions for accommodations and dining.

d. Enhanced Convenience : Saves time and effort by consolidating travel planning tasks.

e. Consistent User Experience : Provides a unified and user-friendly interface across different travel needs.

f. Potential Savings : Access to exclusive deals and offers that could lower travel expenses.

**2.4.MODULE DESCRIPTION**

1. **Admin module**

* Login
* View and verify restaurant
* View and verify user
* Add and manage room reservation
* View bookings
* View complaints and send reply

**2**. **User Module**

* Registration
* Login: Secure user authentication with a profile for bookings
* View restaurant
* View food and order
* view wallet details.
* View rooms and book and search based on price, location, and reviews.
* View booking
* Send rating and feedback room
* Send rating and review for app
* Send complaints and view reply

**3. Room Reservation Module**

* Login
* Add and manage room and update status
* View bookings
* View complaints and send reply
* View user reviews.

**4. Restaurant Finder Module**

* **Registration**
* **Login**
* **View users**
* **Add and manage food items**
* Food Ordering: Option to order food directly from the app with real-time updates.
* Send rating and review

**Non-Functional Requirements**

**a. Security**

Data Encryption: Ensure sensitive data like financial transactions and personal information is encrypted**.**

Secure Payment Gateways: Integrate reliable payment processors to manage transactions safely**.**

**b. Performance**

Scalability: The system should be able to handle multiple users and transactions simultaneously without slowdowns**.**

Reliability: Ensure 99% uptime for critical functions like room booking and payments

**HARDWARE SPECIFICATION**

* Processor : 64 Bit
* RAM : 4 GB or above
* Hard Disk : 10 GB or above

**SOFTWARE SPECIFICATION**

* Operating System : Windows 7 or above
* Front End : HTML, CSS, Java script, Flutter
* Back End : Python(Django)
* Data Base : MySQL
* Software used : VS code, Android Studio, Pycharm