

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

Quezon City

COLLEGE OF INFORMATION TECHNOLOGY EDUCATION

CS002- Object Oriented Programming FINAL PROJECT PROPOSAL

Project title:

Hotel Reservation System

Project description:

This project aims to assist hotel operations by augmenting customer experience during their stay including providing them with a safe and convenient reservation system. Technology is essential for hotel managers and owners to expand their operations, generate reservations over time, and various resources for the hotel. Accommodations provider for example, is a must-have in a hotel reservation system.

Statement of the problem:

1. **Efficiency** - The strain caused by incorrect data might affect your customer as well as the front desk representative or manager.
2. **Third-Party Scams** – Knowing how unpleasant it can be to welcome a guest who thought they had a reservation but had unintentionally fallen victim to a scam on an unauthorized booking site.
3. **Reservation processing** - The process of the reservation needs an immediate outcome. The system has a method of transforming data, or details that involves calculation, and computation.

Features:

1. **Multiple payment methods** - Customers can pay through the online process or cash on their arrival.
2. **Discounts** –PWDs, and senior citizens as stipulated by the Department of Trade and Industry and members can easily apply discounts.
3. **Announcements** - Hotel management can adjust the displayed bonuses in the application. For example, they can advertise that the hotel offers free breakfast.
4. **Browse rooms** – Customers can see available rooms and view them.
5. **Reserve rooms** – Customers can reserve a room by providing the necessary details for their stay including:
 - Full name
 - Age
 - Email address
 - Contact number
 - Start and end of stay
 - Amenities

- Gym
- Swimming pool
- Theater
- Recreational activities
- Parking
- Dining

6. **Room service** – Customers can request food via the application instead of the traditional phone call.
7. **Extension** – Customers can request to extend their stay.

Sample designs:

Figure 1: Menu

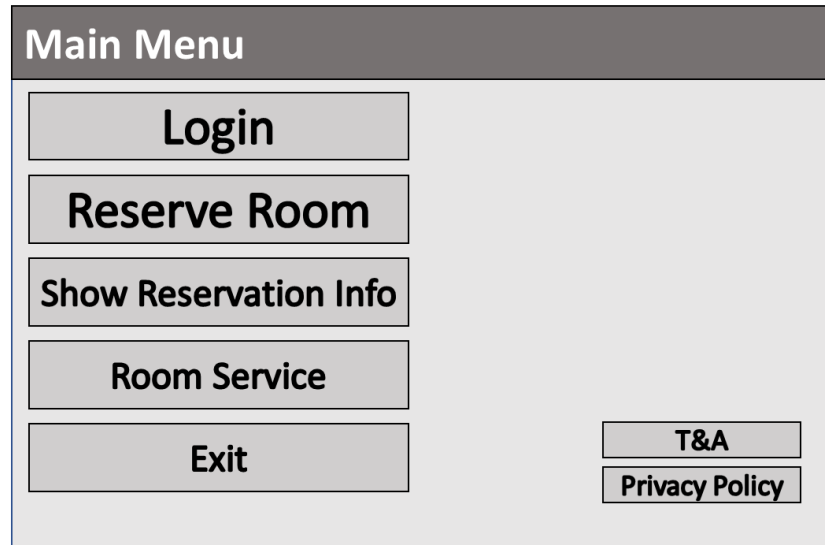


Figure 2: List of rooms

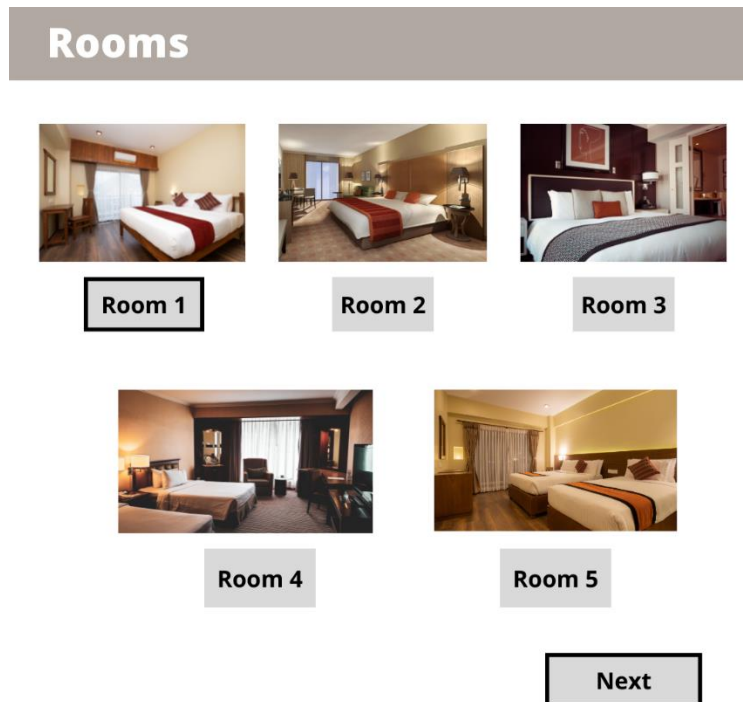


Figure 3: Input form

Input Form	
Start Date:	<input type="text" value="06/20/22"/>
End Date:	<input type="text" value="06/21/22"/>
Customer Details:	Discount:
Full Name: <input type="text" value="Carl Nicolas V. Mendoza"/>	<input type="checkbox"/> PWD
Age: <input type="text" value="18"/>	<input type="checkbox"/> Senior Citizen
Email Address: <input type="text" value="carlvmendoza@yahoo.com"/>	<input type="checkbox"/> Membership
Contact Number: <input type="text" value="09186049632"/>	
Amenities	
<input checked="" type="checkbox"/> Gym	<input type="checkbox"/> Parking
<input checked="" type="checkbox"/> Swimming Pool	<input checked="" type="checkbox"/> Dining
<input type="checkbox"/> Recreational Activities	
<input type="button" value="OK"/> <input type="button" value="CANCEL"/>	

Figure 4: Reservation Ticket


El San Juan Hotel Quezon City, Metro Manila		COMPLETED
June 20, 2022 – June 21, 2022 1 room 1 day Itinerary #7361519096355		
This reservation is complete. #2 Masbate Street, Luzviminda Village, Batasan Hills, Quezon City  Telephone Number: 86679667 Email: info@hotelsanjuan.com		Price Summary Total: Php 1,800.00 Member's Price: N/A Prices shown after savings: N/A Room Price: Php 400.00 1 night Taxes: Php 400.00/night included
Check-in <ul style="list-style-type: none"> Check-in time starts at 8 AM If a late check-in is planned, contact this hotel directly for their late check-in policy. Important Hotel Information <ul style="list-style-type: none"> Although Hotel San Juan does not charge a fee to change or cancel your booking, El San Juan Hotel Quezon City may still charge a fee in accordance with its own rules and regulations. Cancellations or changes made after 11:59 PM (PHT) on June 19, 2022 or no-shows are subject to a hotel fee equal to the first night's rate plus taxes and fees. View your online itinerary for additional rules and restrictions. 		
		<input type="button" value="Get PDF"/> <input type="button" value="Return"/>

Figure 5: Payment Screen

Payment Screen

Stay: 1 Day**Price:** Php 400.00

Amenities	Price
Gym	Php 500.00
Swimming Pool	Php 600.00
Dining	Php 300.00

Discount Type: N/A

Total: Php 1,800.00

Pay

Cancel

Figure 6: Room service

Room Service

Food	Price
Chicken Broth	Php 300.00
Pork Stew	Php 400.00
Fried Egg	Php 25.00
Fried Chicken	Php 99.00
Pink Salmon Stew	Php 250.00

Return