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1. Normal requirements (must have):

- User registration form: Guests can enter their name, contact, ID/passport number.
- Room booking: Select room type (single, double, suite), check-in date, and check-out date.
- Basic validation: Required fields (name, date, room type) cannot be empty.
- Store data: Save booking details into database (or temporary list if no DB).
- View registered guests: Display a table with current bookings.

2. Expected requirements (should have):

- Search function: Find guests by name, date, or room number.
- Update/cancel booking: Staff can edit or cancel a reservation.
- Room availability check: Prevent double-booking the same room.
- Login system for staff: Only hotel staff can manage registrations.
- Better UI: Use CSS/Bootstrap for a clean layout.

3. Exciting requirements (nice to have):

- Email confirmation: Send booking confirmation email to guest.
- Export data: Download guest list as CSV/Excel.
- Analytics dashboard: Show number of rooms booked, occupancy rate, etc.
- Payment integration: Simple simulation of online payment.
- Multi-language support: English + another language

4. Subsystems:

	Normal requirements (must have)	Expected requirements (should have)	Exciting requirements (nice to have)

User Interface	o Input forms (registration, booking, search). o Table to display bookings.	o CSS styling for good readability. o Error messages for invalid inputs.	Multi-language support.
Booking Management	o Save new booking (guest name, room, check-in, check-out). o View all bookings in a list.	o Update/cancel existing bookings. o Prevent double-booking.	o Automatic email confirmation.
Room Management	o Store room details (room number, type, price).	o Show available vs. occupied rooms.	o Dynamic pricing (e.g., higher price on weekends).
User Authentication	o Staff login (username/password).	o Role-based access (admin vs. receptionist).	o Password reset with email.
Reporting & Analytics	(Optional)	o Generate daily booking summary.	o Dashboard with graphs (occupancy rate, revenue).

Hotel

-String name
-String address
-String email
-String tel

employs

has

Admin

-int id
-String name

+addRoom()
+deleteRoom()
+updatePriceOfRoom()

Room

-type: string
-price: double
-isReserved: boolean

+checkAvailable(Date start, Date end)
+checkout()
+checkin()

book

Customer

-int id
-String name
-String CurrentLivingRoom
-double balance

+reserveRoom()
+searchRoom()
+pay()

hasPayment

initiatePayment

Payment

-paymentId: string
-amount: int
-status: string

+processPayment()
+refund()