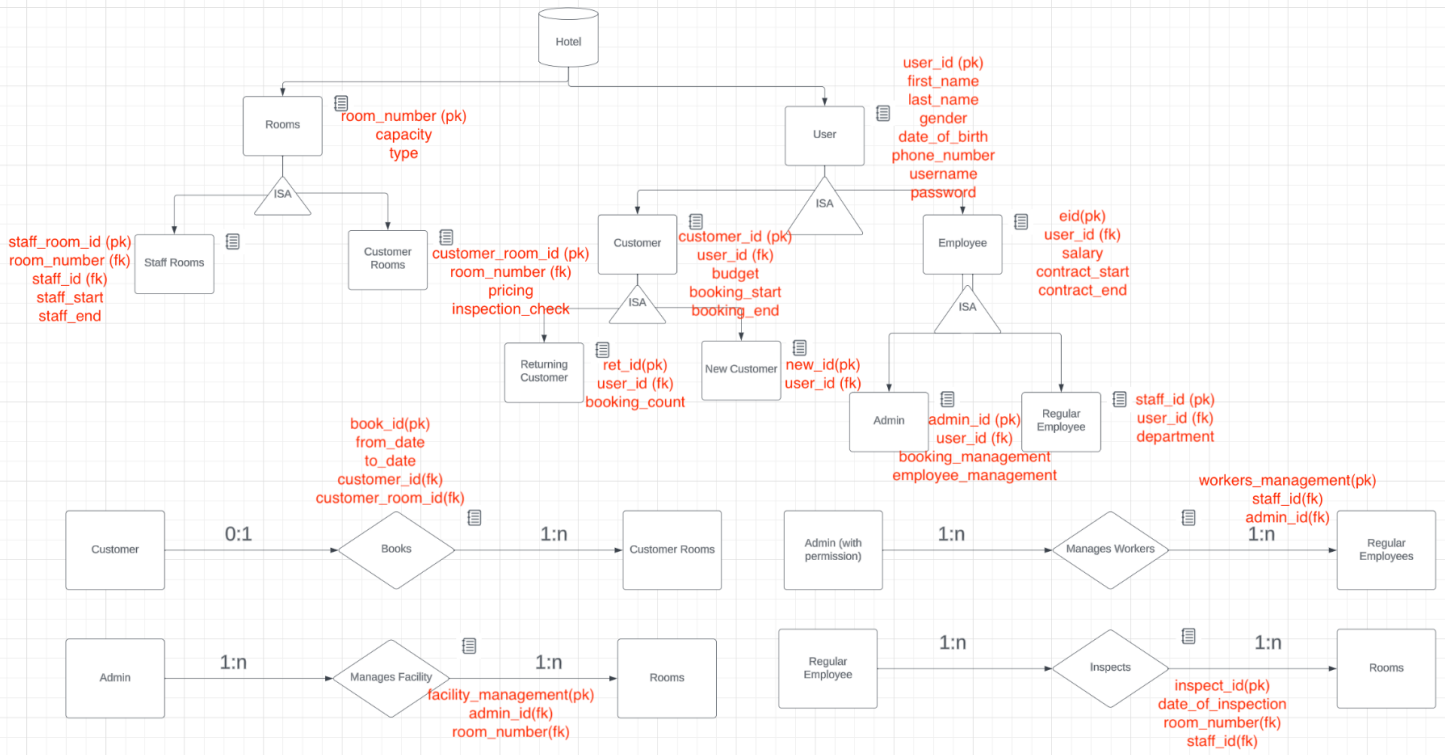


## Intended Functionality (Hotel Website)

We are planning to develop a web application which offers a convenient and user-friendly experience, which will let the user easily navigate through the website to find information about the hotel, its amenities, and available rooms. Every user will be prompted to create an account. This account creation process will require them to provide essential details such as their name, phone number, gender, email, and a secure password. This information will serve for future logins and personalized interactions. The customer can search for rooms based on their preferences, view photos, and read detailed descriptions. When a potential customer likes a room, he can make an online reservation by specifying check-in and check-out dates, room preferences, and any special requests. Once booked, the customer can manage his reservations, make changes, and view booking confirmations. As a token of our appreciation for returning customers, we may also introduce special discounts or offers to make their experience even more rewarding.

In contrast, our web application expands its capabilities to provide services to both our employees and managers, resulting in a platform that is both inclusive and well-rounded. It provides quick access to work schedules, enabling employees to effectively organize their work-life balance. Additionally, they can view their pay, promoting transparency in compensation and easing the administrative burden. Additionally, the app gives employees access to information on employment contracts, promoting clarity and a productive workplace. For managers and receptionists, which are both considered admins, but have different permissions, it streamlines tasks like scheduling, performance tracking, rooms, booking and payroll management, enhancing workforce efficiency.

# ER-Diagram



## User Interactions

### User Registration:

- Actions: The user can create an account by providing essential details such as name, phone number, gender, email, and a secure password.
- Result: After successful registration, the user's account is created, and they can use it for future logins and personalized interactions.
- Illegal Input/Actions: Invalid or incomplete information may prevent successful registration.

### Browsing and Information Retrieval:

- Actions: Users can navigate through the website to find information about the hotel, and available rooms.
- Result: Users can view photos, read detailed descriptions, and gather information about the hotel's offerings.
- Illegal Input/Actions: None in this context, as it's basic browsing.

### Booking:

- Actions: Users can make online reservations by specifying check-in and check-out dates, room preferences, and any special requests.
- Result: Successful reservation confirmation, with booking details and confirmation number.
- Illegal Input/Actions: Invalid date ranges, unavailable rooms, or incomplete reservation details may result in an error.

### Reservation Management:

- Actions: Users with reservations can manage their bookings, make changes, and view booking confirmations.
- Result: Users can modify their reservations or view details of existing reservations.
- Illegal Input/Actions: Attempting to modify a non-existent reservation or making changes outside the allowed time frame may result in errors.

### Employee Services:

- Actions: Employees can access work-related services, including viewing work schedules, checking pay, and accessing employment contract information.
- Result: Have access to the employee page and make changes.

- Illegal Input/Actions: Unauthorized access to employee services may be restricted.

#### Admin Services:

- Actions: Admins can use the platform for tasks such as scheduling, performance tracking and rooms, booking and payroll management.
- Result: Managers can efficiently manage the workforce, track employee performance, and handle payroll tasks.
- Illegal Input/Actions: Unauthorized access to managerial functions may be restricted, and improper handling of employee data may have consequences.