

# The Ansen Hotel

## Functional Specifications

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### Overview:

Hotel Ansen is a software used in a hotel that can be utilized by the guest or the staff. The guests can use this software to search their reservations within a directory using the ID number given to them. Staff can use the software to make reservations for the guests, search in the guest directory, edit, and delete reservations.

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## 1. Goals

- 1.1. Improve hotel experience for staff and guests
- 1.2. Making it easier for staff to create reservations
- 1.3. Making it easy for staff to edit and delete reservations
- 1.4. Easy for guests to check reservations

## 2. Audience

### 2.1. Staff

- 2.1.1. Can create reservations
- 2.1.2. Can edit reservations
- 2.1.3. Can delete reservations

### 2.2. Guests

- 2.2.1. Can search for their reservation in directory using their ID number and check their information

## 3. Features

### 3.1. Staff features

- 3.1.1. Requires the staff member to first sign in using their username and password

#### 3.1.1.1. Creating a reservation

- 3.1.1.1.1. The creation of the reservation requires the following fields:

- 3.1.1.1.1.1. First Name
- 3.1.1.1.1.2. Middle Name
- 3.1.1.1.1.3. Last Name
- 3.1.1.1.1.4. Date of Birth
- 3.1.1.1.1.5. Phone Number
- 3.1.1.1.1.6. Email Address
- 3.1.1.1.1.7. Number of Adults
- 3.1.1.1.1.8. Number of Children

3.1.1.1.1.9. Check-In Date

3.1.1.1.1.10. Check-Out Date

3.1.1.1.2. Clicking the ID Button generates a random ID number, which is given to the guest and associated with the reservation

3.1.1.1.3. All the information that is entered about the guest is stored in the database along with their ID number

3.1.1.2. Staff editing a reservation

3.1.1.2.1. Can locate the reservation by searching with the ID number

3.1.1.2.2. Can edit any of the fields that were used when entering the reservation

3.1.1.3. Staff can also delete a reservation

3.1.1.3.1. Can locate the reservation by searching with the ID number

3.1.1.3.2. Can delete the reservation

3.1.1.4. Staff can search in a directory for a reservation using an ID number

3.2. Guest Features

3.2.1. Can search up their reservation using their ID number

4. Application Layout

4.1. Landing page

4.1.1. Two buttons:

4.1.1.1. Staff Login

4.1.1.1.1. Staff member must login with their user & password

4.1.1.2. Guest Login

4.1.1.2.1. Prompts user to enter their ID number

4.2. Staff Page

4.2.1. There are three tabs in the staff portion:

4.2.1.1. Add guest

4.2.1.1.1. Requires staff to enter the following fields:

4.2.1.1.1.1. First Name

4.2.1.1.1.2. Middle Name

4.2.1.1.1.3. Last Name

4.2.1.1.1.4. Date of Birth

4.2.1.1.1.5. Phone Number

4.2.1.1.1.6. Email Address

4.2.1.1.1.7. Number of Adults

4.2.1.1.1.8. Number of Children

4.2.1.1.1.9. Check-In Date

4.2.1.1.1.10. Check-Out Date

4.2.1.1.1. Bottom price gets updated when all fields are filled

4.2.1.2. Search

4.2.1.2.1. Access guest's reservation using their ID

number

4.2.1.3. Edit & Delete

4.2.1.3.1. Can change any of the information from the reservation

4.3. Guest Page

4.3.1. ID Number field where the guest inputs their ID Number

4.3.2. Reservation information comes up