Hotel Database Management System

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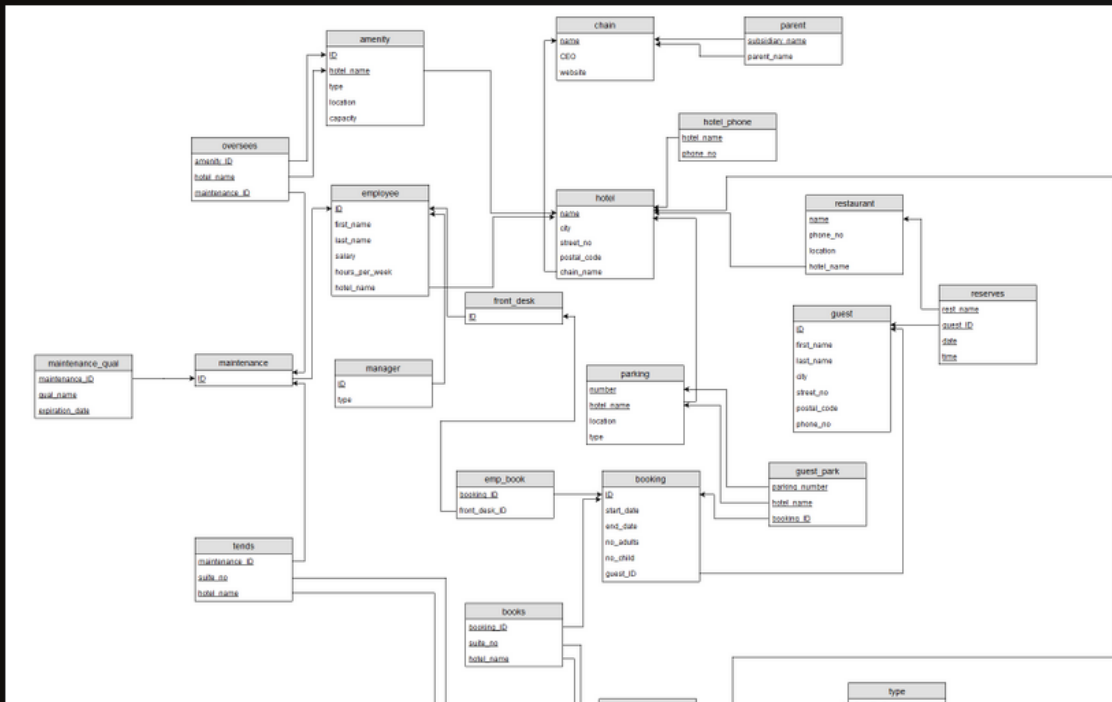
Application Description

- Internal Hotel Management Software

- Used by employees to make bookings, changes to customer records and make business decisions

- Follows Relationship between hotels and chains, guest booking system and hotel amenities
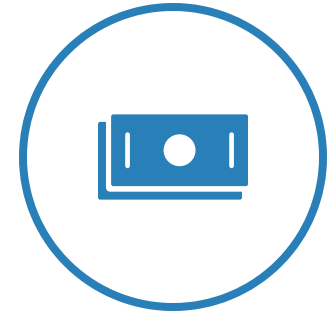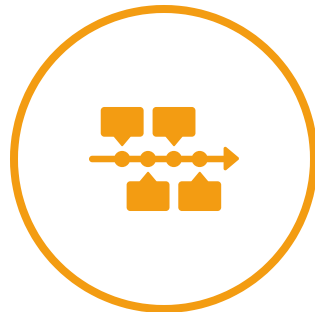
Application Functionality

Update Booking

Check Hotel Availability

Employee Salary Statistics

Event Booking For Large Groups

Edit Guest Info

Update Booking

- Allows individuals to make changes to guest bookings

- Employees enter guest booking ID and modify the number of individuals in a room, change is then reflected in database

- Update query

Check Hotel Availability

Available Rooms

Number of available rooms in DoubleTree by Hilton Edmonton Downtown for 2019-01-11 to 2019-01-15 of type

1 King bed no view: 10 rooms
1 King bed view: 10 rooms
2 Queen beds no view: 13 rooms
2 Queen beds view: 9 rooms

- Allows front desk staff to select a hotel chain, desired hotels and dates

- Users will be given a list of the type and number of rooms available

- Nested Query & Aggregate function (count)

Employee Salary Statistics

Back to Home

Choose Hotel and Employee

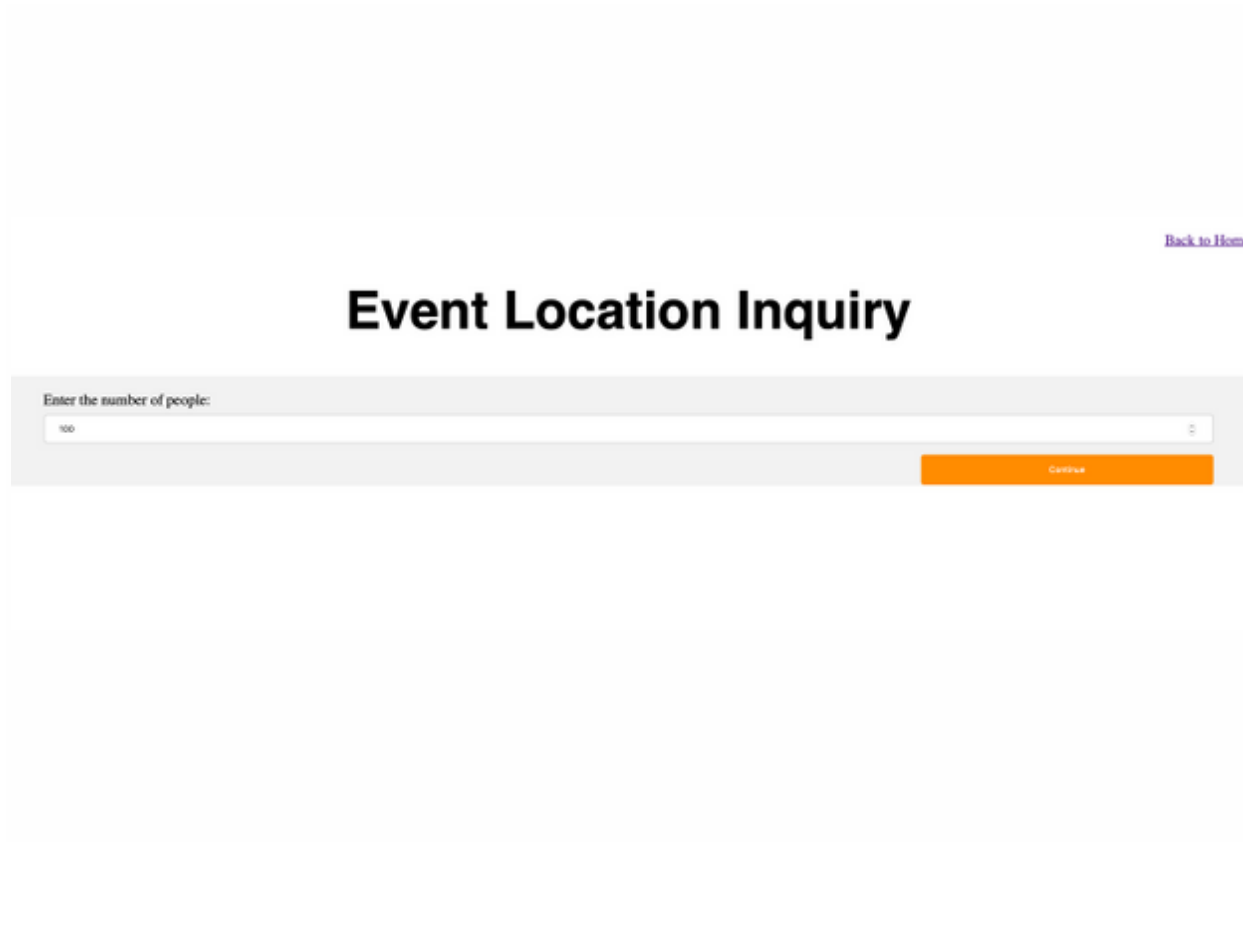Choose a Hotel:
DoubleTree by Hilton Edmonton Downtown

Choose a Type of Employee:
Manager

Continue

- This feature is for upper management to view employee salary statistics

- Access data by selecting hotel chain, desired hotel and employee type

- Aggregate Functions (average, max, min) & Natural Join

Event Booking For Large Groups

- Utilized when planning large scale events to host a maximum capacity of guests

- Party size is entered and a list of possible hotels is generated that have enough rooms to accommodate guests

- Group By and Having Query

Edit Guest Info

- Allows individuals to make changes to guest information stored in database

- Criteria includes name, city, street, postal code and phone

- Insert, update, delete query

Future Application Implementations

1 New UI design

2 Book a hotel room from application directly

3 Expand application to be used both internally and externally, by guests, for booking and querying info

Thank you for listening

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Ask us anything!