Office Space Optimization

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Group 36
EER and UML diagram

Entity-Relationship Diagram

User (1:1)
- Department_Name
- Company_Name
- First_Name
- Last_Name
- Employee_ID
- Email_ID

creates (1:1)

Account (1:1)
- Password
- Employee_ID
- Company_ID
- Email_ID
- First_Name
- Last_Name

registers — *Books space*

Company (1:1)
- Location
- Company_Name
- Company-ID
- Industry Domain
- Country
- Industry
- Place

Booking (1:1)
- End_Time
- Booking-ID
- Employee-ID
- Time zone
- Date
- Start Time

owns/Leases (1:N)

Building
- Building-Name
- Location
- Company-Name

Books cab (1:1)

Cab_Service
- Passenger count
- Distance
- Date
- Company-Name
- Vendor-ID
- Fuel-Type
- Start_Location
- End-Location
- Pickup-Time
- Employee-ID
- Vendor-Name

has (1:N)

Room_Type (1:N)
- Room-ID
- Room-Name
- Media
- Booking-ID
- Utilities
- Capacity
- Floor
- Building-Name

User

- Company_id
- Emp_Id
- Email_Id
- First Name
- Last_Name
- Dept_Name

+ get Company_Name
+ get Emp_Id
+ get Email_Id
+ get First_Name
+ get Last_Name
+ get Dept_Name

Account

- Company_id
- Emp_Id
- First_Name
- Last_Name
- Email_Id
- Password

+ get Company_Name
+ get Emp_Id
+ get First_Name
+ get Last_Name
+ get Email_Id
+ get Password
+ set Email_id
+ set Password

Booking

- Booking_ID
- Emp_Id
- Date
- Start_Time
- End_Time
- Time_Zone

+ get Booking_Id
+ get Emp_Id
+ get Date
+ get Start_Time
+ get End_Time
+ get Time_zone

1..1   1..1   Creates

1..1   0..N   Book A Space

Registers
0..N

1..1
Books a cab
1..1

Building

- Building_Number
- Building_Name
- Location
- Company_Name

+ get Building_Number
+ get Building_Name
+ get Location
+ get Company_Name

Company

- Company_Name
- Location
- Company_Id
- Domain
- Industry
- Country

+ get Company_Name
+ get Location
+ Company_Id
+ Domain
+ Industry
+ Country

Cab Service

- Cab_vendor_name
- Cab_Vendor_id
- Emp_Id
- Company_name
- Fuel_Type
- Date
- Start_location
- End_Location
- Pickup_Time
- Passenger_Count
- Distance

+ get Cab_vendor_name
+ get Cab_provider_Id
+ get Emp_Id
+ get Company_name
+ get Fuel_type
+ get Date
+ get Start_Location
+ get End_Location

1..N   1..1   Owns/Lease

1..1
has
1,,N

Room_Type

- Room_Id
- Room_Name
- Booking_Id
- Capacity
- Room_type
- Building_Number
- Building_Name
- Floor_Number
- Utilities

+ get Room_Id
+ get Room_Name
+ get Booking_Id
+ get Capacity
+ get Room_type
+ get Building_Number
+ get Building_Name
+ get Floor_Number