Optimization of Office Space
Saksham Saxena and Krishna Teja Samudrala

Mapping Conceptual to Relational Model

Primary Key- <u>Underlined</u>   Foreign Key- *Italics*

Company (<u>Company_name</u>, <u>Company_Id</u>, Location, Area, Industry, Country)

User(<u>Employee_Id</u>, *Company_ID*, Email_Id, First_Name, Last_Name, Department_name)
FOREIGN KEY Company_ID refers to Company_ID in Company; NULL NOT ALLOWED

Account(*Company_ID*, *Employee_Id*, First_Name, Last_Name, Email_Id, Password)
FOREIGN KEY Employee_Id refers to Employee_Id in User; NULL NOT ALLOWED
FOREIGN KEY Company_ID refers to Company_ID in Company; NULL NOT ALLOWED

Booking (<u>Booking_ID</u>, *Employee_ID*, Date, Start_Time, End_Time, Time_Zone)
FOREIGN KEY Employee_Id refers to Employee_Id in User; NULL NOT ALLOWED

Building(<u>Building_Name</u>, Location, *Company_Name*)
FOREIGN KEY Company_Name refers to Company_Name in Company;
NULL NOT ALLOWED

Cab_Service (Vendor_Name, <u>Vendor_ID</u>, *Employee_Id*, *Company_ID*, Fuel_Type,
Date, Start_location, End_Location, Pickup_Time, Passenger_Count, Distance
FOREIGN KEY Company_ID refers to Company_ID in Company; NULL NOT ALLOWED
FOREIGN KEY Employee_Id refers to Employee_Id in User; NULL NOT ALLOWED

Room_Type(<u>Room_ID</u>, Room_Name, Booking_Id, Capacity, Media, *Building_Name*,
Floor, Utilities)
FOREIGN KEY Building_Name refers to Building_Name in Building; NULL NOT
ALLOWED