

Co-working Space Management System

Data Management for Analytics

Milestone: EER and UML Diagram for Project

Group 24

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Percentage of Effort Contributed by Student1: 50%

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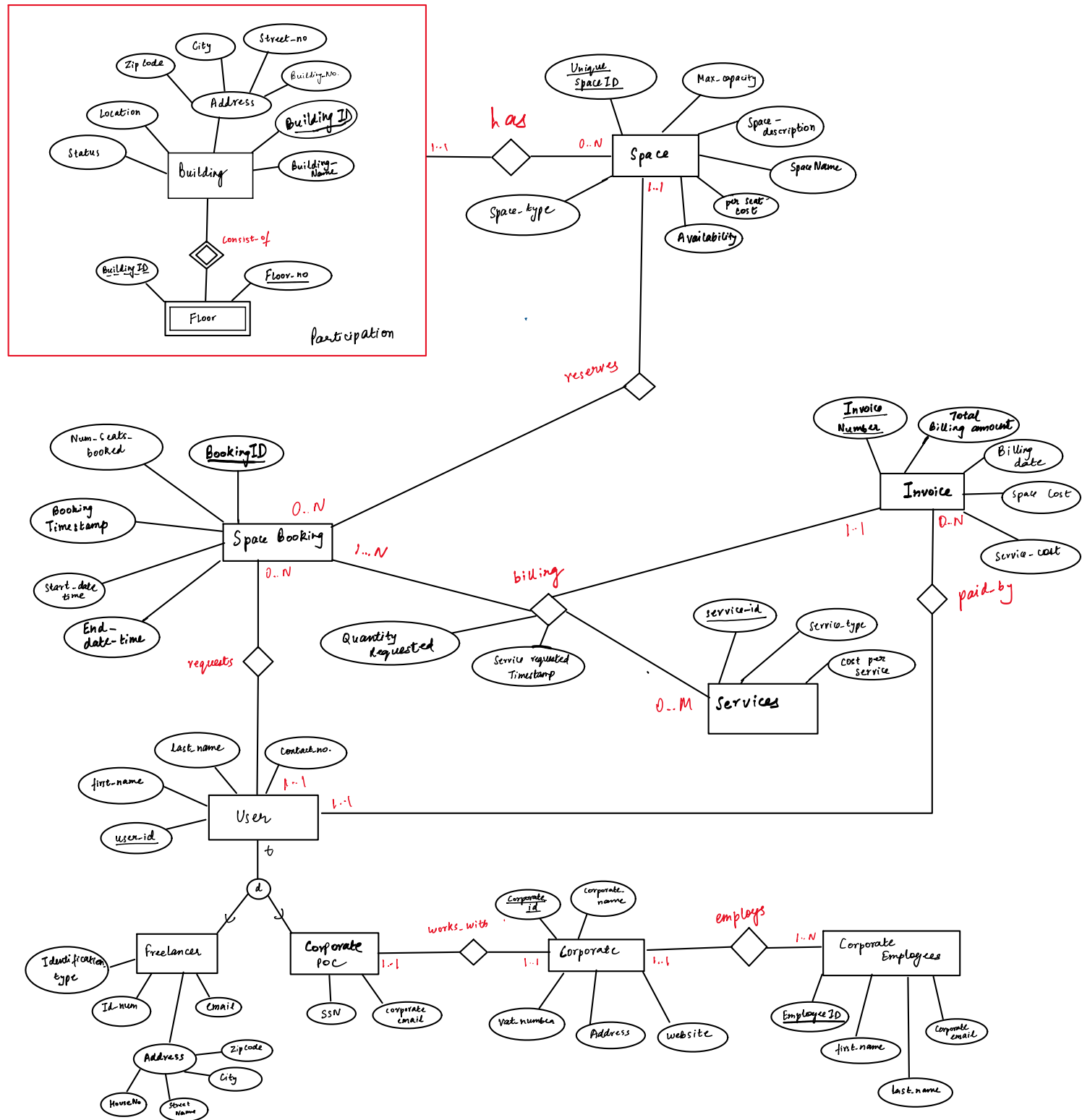
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Entity type description:

1. **Building:** A building is a place which consists of floors and subsequently spaces which are used as co working space. Not every floor in a building could be attributed to co working space. Below is a description of few of its attribute types
 - a. Location: A google map pinned location will be stored here for navigation purposed
 - b. Status: It is an ENUM (Available, Not Available). A building may not be always available (due to reconstruction/renovation)
2. **Floor:** A floor is a weak entity as it does not have key attribute type of its own
3. Together Floor and Building form an aggregation as they will be used to locate Space
4. **Space:** A Space is place (Meeting room, Common spaces etc) that is booked.
Below is a description of few of its attribute types
 - a. Per seat cost: Spaces like Common spaces, Halls could have some cost associated with every seat and this cost could be dynamic as per the business's requirement
 - b. Space_Type: A space could be -Meeting room, Common spaces, Halls etc
5. **User:** A user is an individual who makes booking for the spaces. We have assumed a user to be of 2 types: Freelancer and a Corporate POC. The corporate POC could be an HR, CEO who is registered in Co working space's on behalf of the organization and is billed for their bookings/ services
6. **Corporate:** A corporate is an organization that is registered in the database
7. **Corporate employees:** A corporate can have multiple employees who would be using the spaces. It can be useful to get information of employees of the organization for giving them access to the spaces
8. **Space Booking:** This is a registration entity type used to store booking of a space
 - a. StartDateTime: This is the attribute type used to store the starting timestamp of the space that is booked
 - b. EndDateTime: This is the attribute type used to store the ending timestamp of the space that is booked
9. **Services:** A booking maybe additional services like the Parking fee, Pantry, Stationary etc
10. **Invoice:** This records the billing information after successful payment

EER Diagram

Friday, October 14, 2022 8:07 PM



UML Diagram

Thursday, October 13, 2022 6:31 PM

