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CSC423

Project Pt. 1

Relational Model:

Client(clientNo, fName, lName, telNo (CK))

Employee(staffNo, fName, lName, address, salary, telNo (CK))

Equipment(eqID, description (CK), usage, cost)

CleaningSession(sessionID, startDate, startTime, duration, comments)

*Underline denotes Primary Key, (CK) denotes Candidate Key

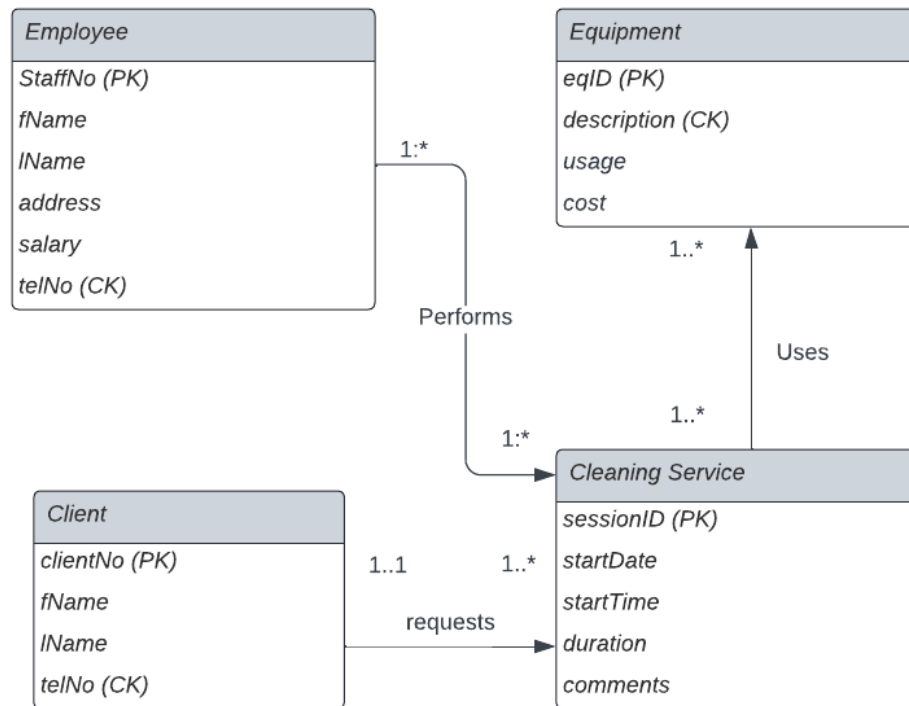
Entity 1	Multiplicity 1	Relationship	Multiplicity 2	Entity 2	Type of relationship
Client	1..1	requests	1..*	CleaningService	1:*
CleaningService	1..*	utilizes	1..*	Equipment	*:*
Employee	1..*	performs	0..*	CleaningService	*:*

Assumptions:

- We assume a cleaning session uses at least one piece of equipment
- We assume Equipment is storing types of equipment and not unique pieces of equipment
- We assume an employee can sometimes be in between jobs (doesn't always have an assigned client)
- We assume that telephone numbers are unique for each person and client

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PK denotes Primary Key
CK denotes Candidate Key