

Michael Castellucci

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CSC423

Project Pt. 2

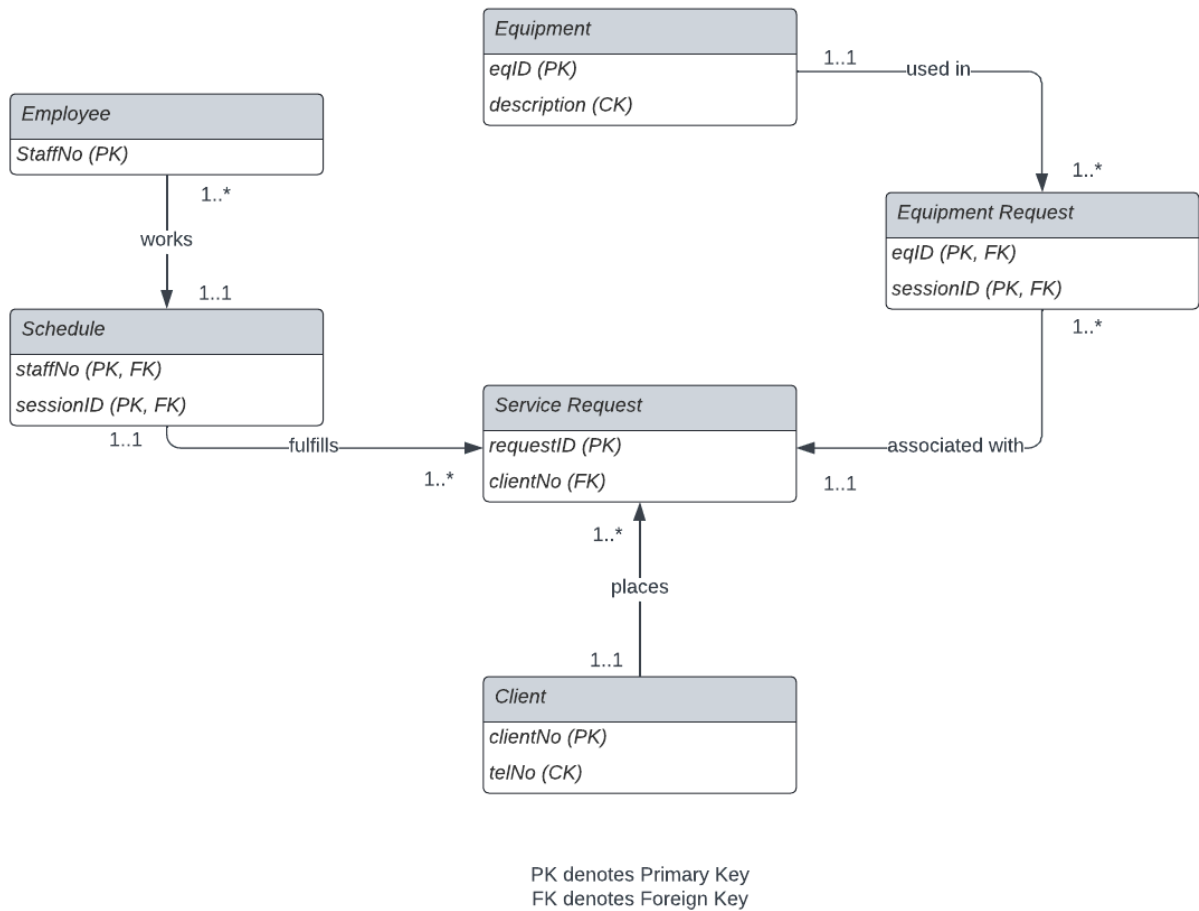
ServiceRequest (requestID, startDate, startTime, duration, comments, clientNo) Primary Key requestID Foreign Key clientNo references Client(clientNo) ON UPDATE NO ACTION ON DELETE NO ACTION
Employee (staffNo, fName, lName, address, salary, telNo) Primary Key staffNo Alternate Key telNo
Client (clientNo, fName, lName, telNo) Primary Key clientNo Alternate Key telNo
Equipment (eqID, description, usage, cost) Primary Key eqID Alternate Key description
Schedule (staffNo, requestID) Primary Key staffNo, requestID Foreign Key staffNo references Employee(staffNo) ON UPDATE NO ACTION ON DELETE NO ACTION Foreign Key requestID references ServiceRequest(requestID) ON UPDATE NO ACTION ON DELETE NO ACTION
EquipmentRequest (eqID, requestID, number) Primary Key eqID, requestID Foreign Key eqID references Equipment(eqID) ON UPDATE NO ACTION ON DELETE NO ACTION Foreign Key requestID references ServiceRequest(requestID) ON UPDATE NO ACTION ON DELETE NO ACTION

Constraints:

- ServiceRequest(startDate) should be a valid date
- ServiceRequest(startTime) should be a valid time
- ServiceRequest(duration) should be greater than zero
- EquipmentRequest(number) should be greater than zero

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Michael Castellucci, Kevin Wright | November 29, 2023



We had to add EquipmentRequest and Schedule for the sake of referential integrity and to make sure that user transactions could be met.