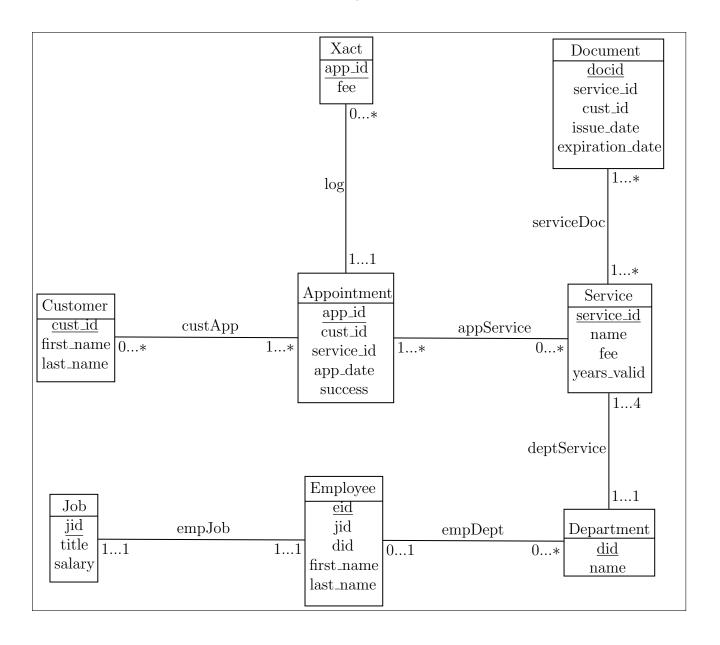
Program #4: Database Design and Implementation

Due Date: December 6th, 2021, at the beginning of class

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1 Conceptual Database Design



CSC 460 – Database Design Fall 2021 (McCann)

2 Logical database design

Customer <u>cust_id</u> first_name last_name Appointment app_id cust_id service_id app_date success Xact <u>xact_id</u> app_id Service service_id fee name years_valid Document docid service_id cust_id | issue_date expiration_date Job jid title salary Employee eid jid did $first_name$ last_name Department did name

3 Normalization analysis

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4 Query description

SELECT salary
FROM Job, Employee
WHERE Job.jid = Employee.jid
AND Employee.first_name = '%s'
AND Employee.last_name = '%s'

Our self–designed query answers the question: "What is the salary of a given Employee". Given the first and last name from the user and by preforming a join on the Employee and Job relations, we are able to determine the answer to this question. The utility of the query allows users to get insight into the people that work at the DMV.