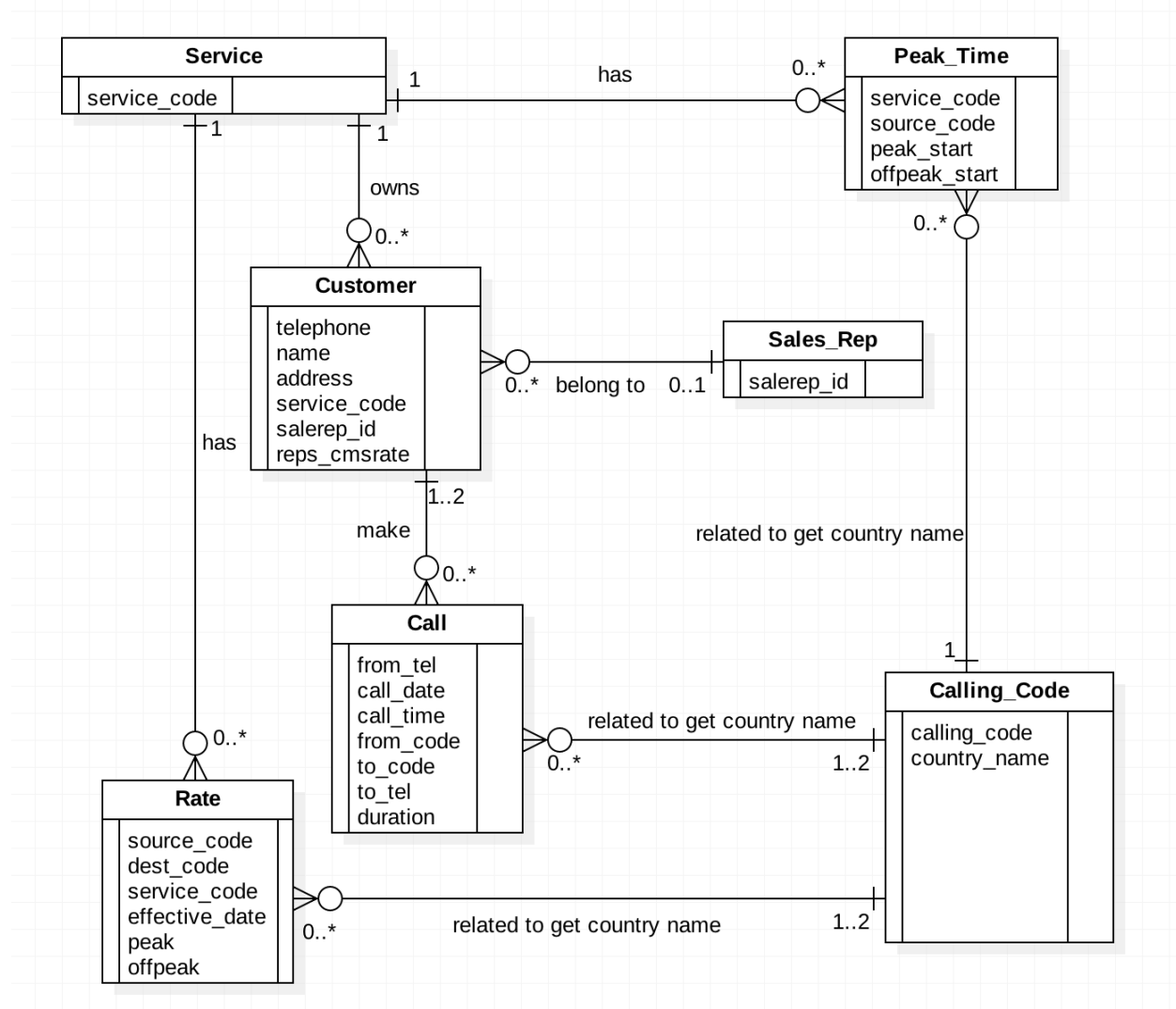


Telephone Company Database Project

Conceptual ERM Diagram:



Logical ERM:

Calling_Code (calling_code, country_name) Primary Key calling_code	Service (service_code) Primary Key service_code
Sales_Rep (salerep_id) Primary Key salerep_id	Peak_Time (service_code, source_code, peak_start, offpeak_start) Primary Key service_code, source_code Foreign Key service_code references Service(service_code) Foreign Key source_code references Calling_Code(calling_code)
Customer (telephone, name, address, service_code, salerep_id, reps_cmsrate)	Rate (source_code, dest_code, service_code, effective_date, peak, offpeak)

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<p>Primary Key telephone</p> <p>Foreign Key service_code references Service(service_code)</p> <p>Foreign Key salerep_id references Sales_Rep(salerep_id)</p>	<p>Primary Key source_code, dest_code, service_code, effective_date</p> <p>Foreign Key source_code references Calling_Code(calling_code)</p> <p>Foreign Key dest_code references Calling_Code(calling_code)</p> <p>Foreign Key service_code references Calling_Code(service_code)</p>
<p>Call(from_code, to_code, from_tel, to_tel, duration, call_date, call_time)</p> <p>Primary Key from_tel, call_date, call_time</p> <p>Foreign Key from_code references Calling_Code(calling_code)</p> <p>Foreign Key to_code references Calling_Code(calling_code)</p> <p>Foreign Key from_tel references Customer(telephone)</p>	