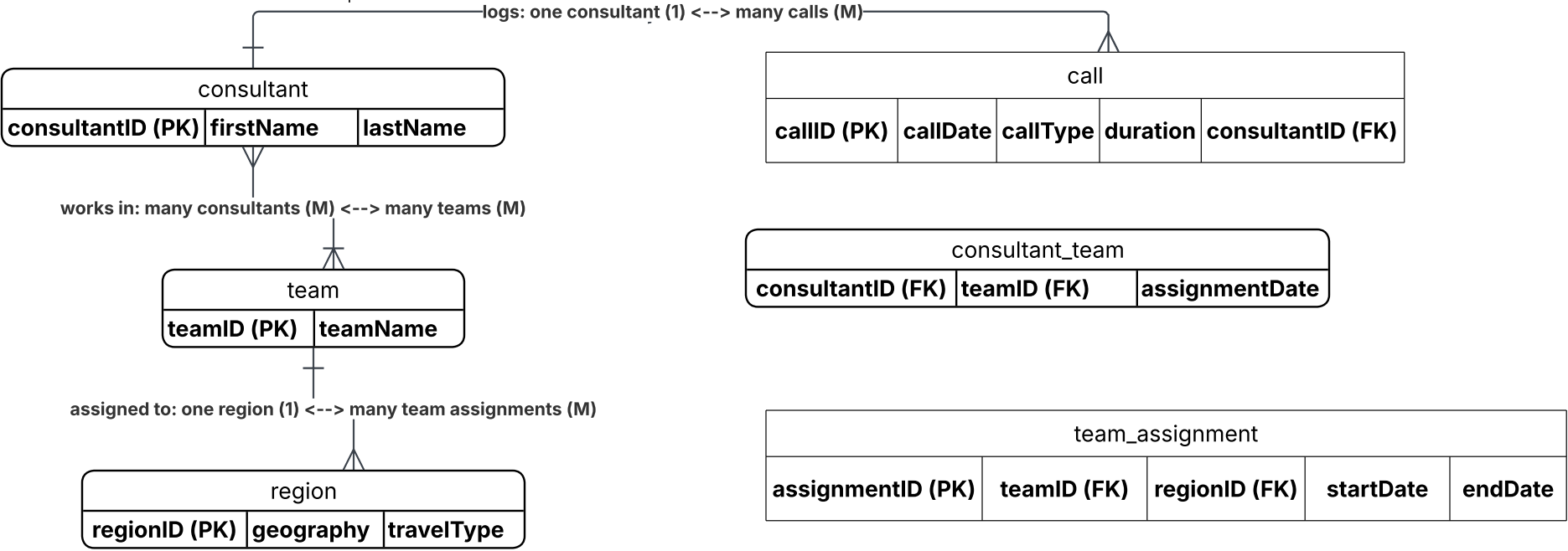


Travel Consulting Company - ERD

Assumptions to Question 1

- 1) Teams can be reassigned to different regions, so a separate team\_assignment entity is used instead of putting regionID inside team.
- 2) Consultants normally belong to one team but may work with others when needed. A consultant\_team entity is used to capture this many-to-many relationship.
- 3) Each call is assumed to be taken by one consultant.
- 4) Monthly call statistics are derived from the call entity are not stored separately.
- 5) Regions are uniquely identified by regionID. Geography and travelType describe regions, so they are treated as attributes not seperate entities.



DVD Rental Company - ERD

Assumptions to Question 2

- 1) As members can register in multiple branches, the registrationDate is stored in the associative entity member\_branch instead of directly in member.
- 2) To capture manager changes over time, a manager\_assignment entity is used. It is assumed that each branch can have one manager at a time.
- 3) The status attribute in dvd indicates availability e.g, available, rented ....
- 4) Movie categories like action, drama, sci-fi are stored directly as an attribute of movie, not a separate entity.
- 5) Daily rental cost is stored in rental since it is assumed to be consistent in all copies of the same movie in a branch.

