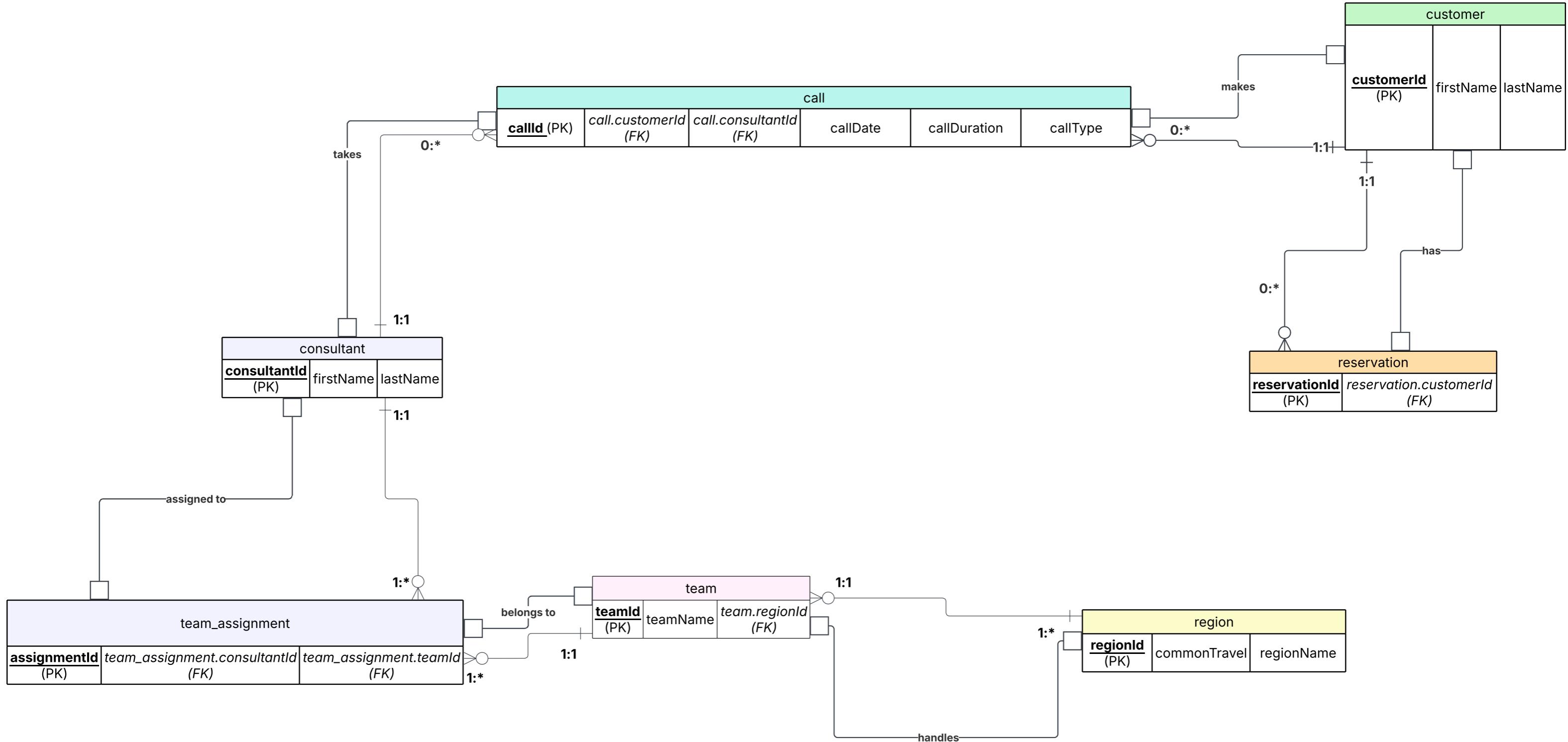


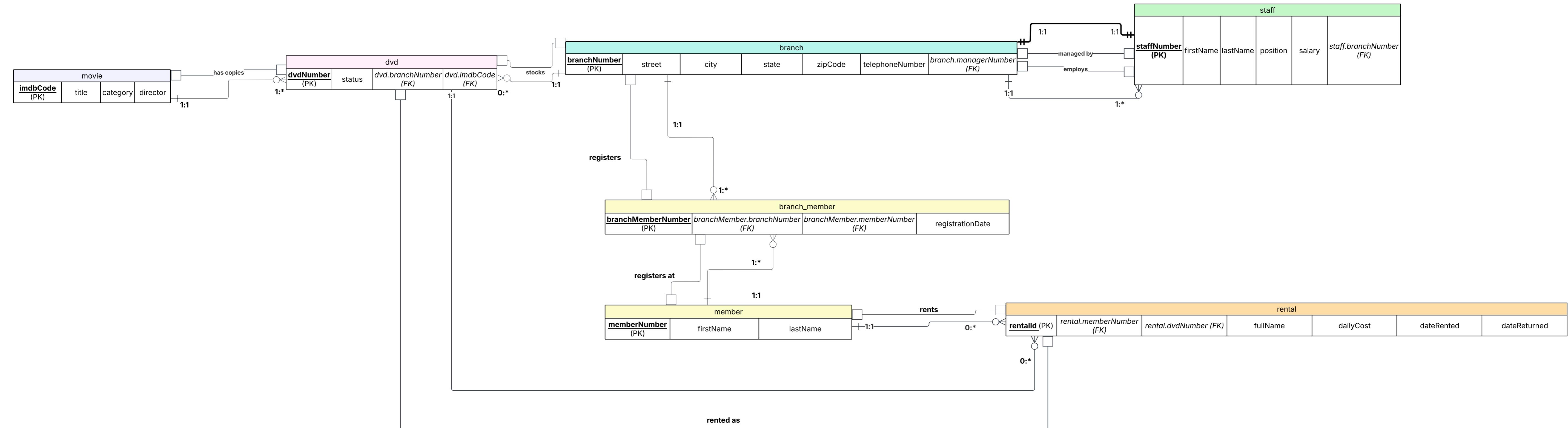
Travel Consulting Business ERD



ASSUMPTIONS

- Each team handles exactly one region at a time, and a region may have multiple teams assigned to it
- Consultants can be on multiple teams simultaneously --> M:N via `team_assignment` junction table
- "call" captures `callType` (new need vs. existing reservation), `callDate`, and `callDuration` for statistics.
- `callDuration` is recorded in minutes

DVD Business ERD



ASSUMPTIONS

- A manager is a member of staff, so `managerNumber` FK on the `branch` table points to `staffNumber` in the `staff` table.
--> This means two relationship lines exist between `branch` and `staff`: "employs" (`1:M`, a branch has many staff) and "managed by" (`1:1`, a branch has exactly one manager at any given time).
- Staff work at only one branch at a time. Reassignment is handled by updating the `branchNumber` FK on the `staff` table, so a junction table is not needed.
- Customers can register as members at multiple branches simultaneously --> creating a many-to-many relationship --> is resolved with the `branch_member` junction table, which holds its own standalone PK (`branchMemberNumber`) and two FKs pointing to `branch` and `member`
- `registrationDate` is stored on `branch_member` rather than `member`, because a customer registers at each branch at a different time.
- `dailyRentalCost` is stored on `rental` rather than on `dvd` or `movie`, since the rate is standard per branch and could change over time. Storing it on `rental` captures the rate at the time of the transaction.
- The maximum of 10 DVDs rented at one time is a business rule enforced at the application level, not something modeled in the ERD.