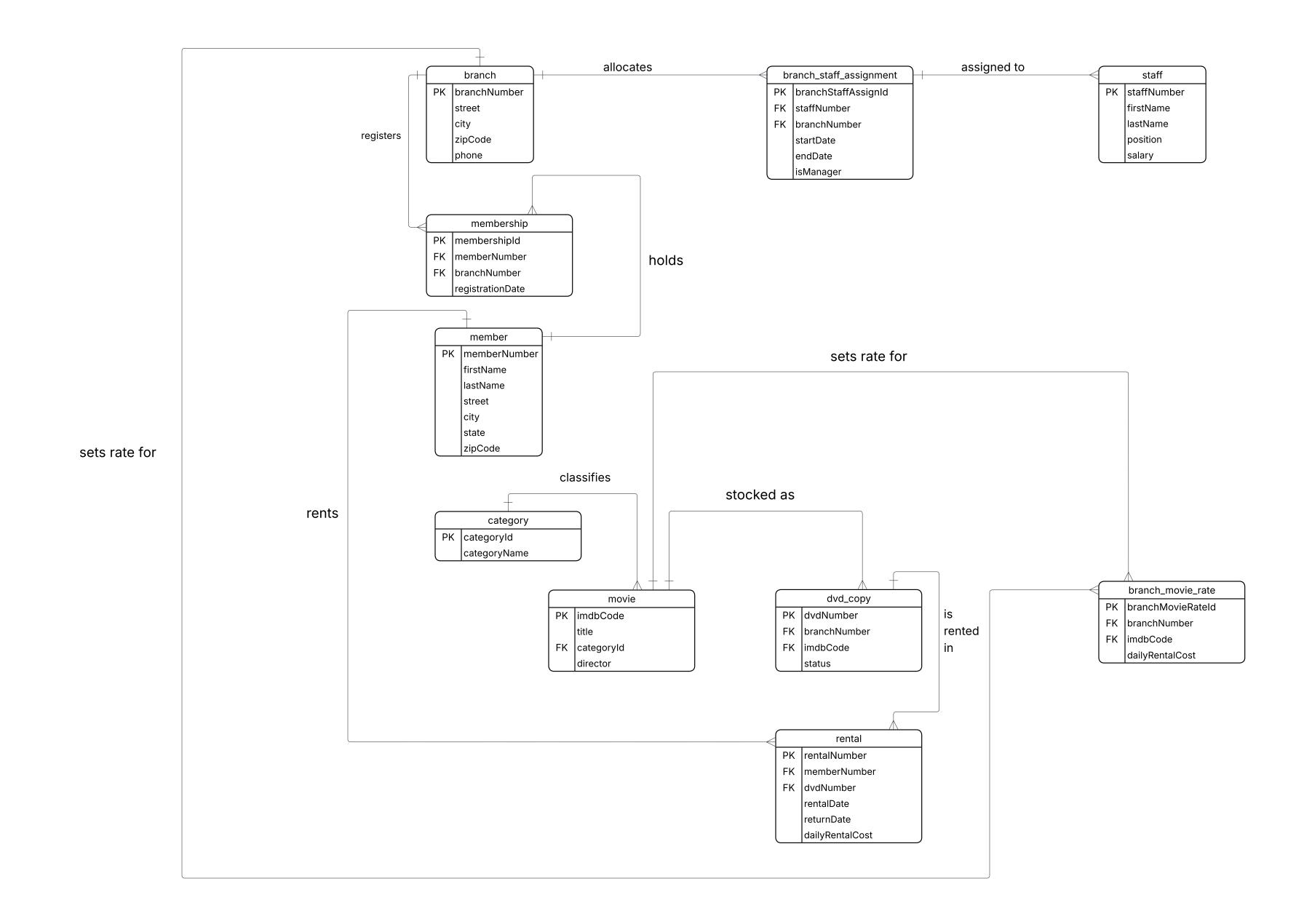
DVD Rental Company



Assumptions

1) Branches & identifiers

- Each branch has a company-wide unique branchNumber plus street, city, state, zipCode, phone.
- staffNumber, memberNumber, dvdNumber, and imdbCode are unique company-wide identifiers.

2) Staffing & management

- Staff are employed by the company (name, position, salary stored in staff).
- A staff member works at one branch at a time, but may be reassigned over time; history is recorded in branch_staff_assignment(startDate, endDate).
- Each branch has exactly one active manager at any time,
 branch_staff_assignment.isManager = true (no overlapping manager rows per branch).

3) Memberships (customers registering at branches)

- A member can register at multiple branches; each registration is a row in membership (member Number, branch Number, registration Date).
- A member's postal address is stored on member; registrationDate is when they joined that specific branch.

4) Movies & categories

- Each movie is uniquely identified by imdbCode and has title, director, and categoryld.
- Each category (e.g., Action, Drama, Horror, Sci-Fi) can classify many movies; each movie belongs to exactly one category.

5) Physical DVD copies (stock)

- dvd_copy represents a physical disc: each copy has a company-unique dvdNumber, belongs to one branch and one movie, and carries a status (e.g., Available, Rented, Damaged).
- A movie may have many copies at a branch; copies can move branches only by updating branchNumber

6) Branch pricing (rate per movie per branch)

- Each branch sets a standard dailyRentalCost for each movie it rents; stored in branch_movie_rate(branchNumber, imdbCode, dailyRentalCost).
- The dailyRentalCost on rental is a snapshot copied from branch_movie_rate at checkout to preserve history when rates change later.

7) Rentals

- A rental links one member to one dvd_copy with rentalDate and returnDate (nullable until returned).
- A dvd_copy can be rented many times over time (separate rows).