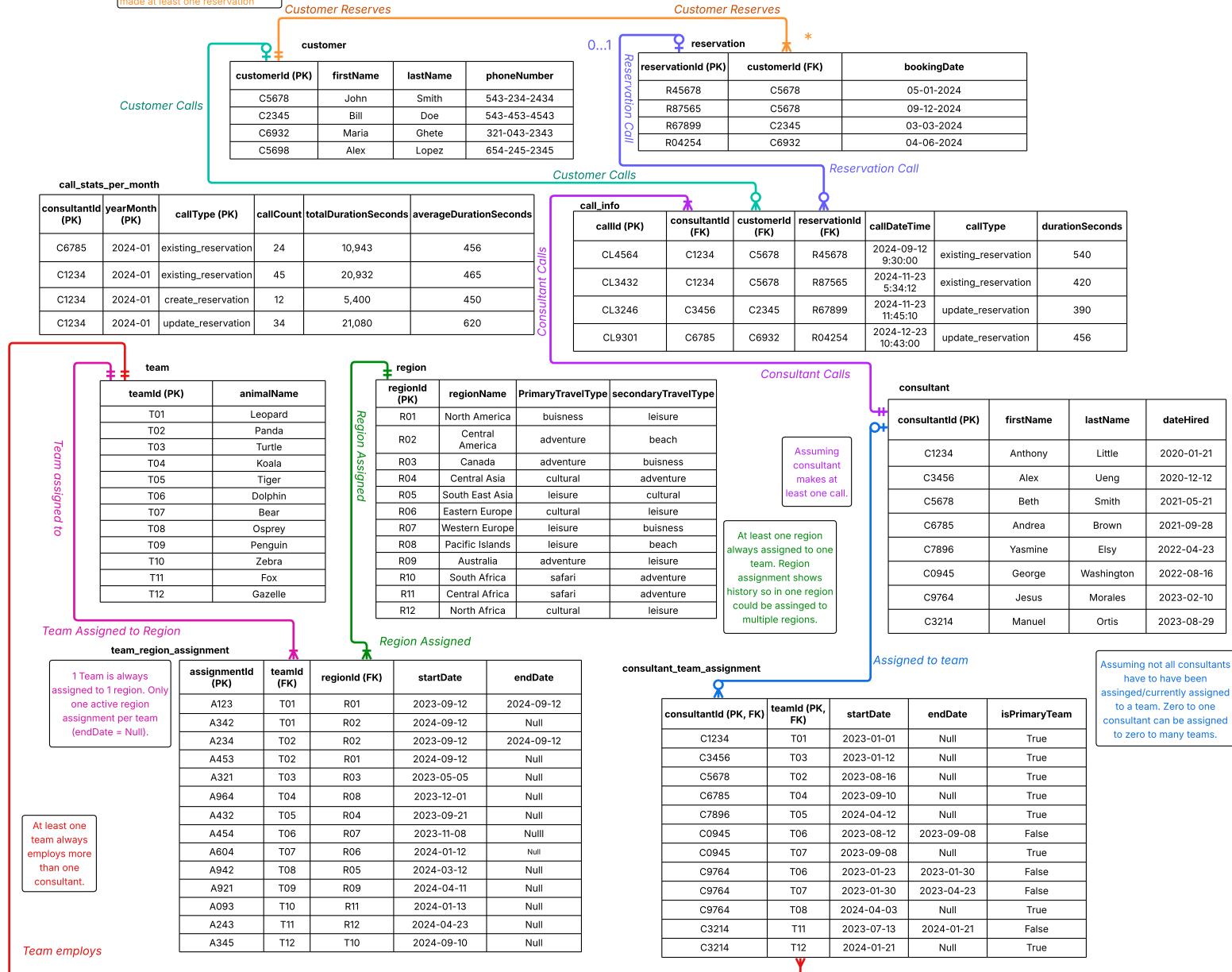


# Travel Consulting Company ERD

Assumptions include: (other assumptions included in boxes)

A team can be assigned to at most one region at a time. Regions can have zero teams assigned to them. A consultant can be assigned to more than one team. No overlapping assignment rows for the same consultantid, teamid pair. A reservation belongs to exactly one customer. A customer does not need to have a reservation. Every call has exactly one consultant.

Assuming a customer always has made at least one reservation



(Assumptions are noted in boxes throughout the table)

manager\_assignment and staff\_assignment record history of assignment. If we recorded only active branch assignment the relationships associated would be 1 to 1.

assigned to

branch managed by

staff				
staffID (PK)	firstName	lastName	position	salary
S0314	Maria	Smith	clerk	42000
S9432	Alex	Rose	associate	48000
S7643	Andrea	Brom	associate	50000
S3456	George	Harris	supervisor	58000
S6703	Bill	Morris	clerk	40000

Exactly one active manager per branch (endDate is Null).

managerId (PK)	firstName	lastName	salary
MG201	Dana	Patel	78000
MG202	Liam	Chen	80000
MG203	Sofia	Ruiz	76000
MG204	Peter	Niemier	74000

branchID (PK)	streetAddress	city	state	zipCode	phoneNumber
B12345	301 Main St.	New York	NY	10003	212-555-0932
B45245	455 Branch St.	San Francisco	CA	94105	415-555-2433
B5642	1100 Willow Dr.	Chicago	IL	60611	312-555-4356
B6794	78 Ocean Rd.	Miami	FL	33139	305-555-9234

rental occurs at

membership

DVD rented

rental						
rentalId (PK)	dvdNumber (FK)	memberId (FK)	branchId (FK)	dailyRentalCost	rentalDate	returnDate
RL001	D8714	MB1005	B6794	3.99	2024-12-12	Null
RL002	D9074	MB1004	B45245	2.50	2024-12-24	Null
RL003	D8545	MB1003	B12345	4.50	2023-04-05	2023-04-05
RL004	D6543	MB1001	B9854	2.99	2023-06-07	2023-06-07
RL005	D0923	MB1001	B9854	4.99	2023-10-11	2023-10-21
RL006	D0923	MB1002	B9854	4.99	2023-10-22	2023-10-30

member rents


## branch stocks

0...\* member\_branch

memberid (PK)	

memberId (PK)	branchId (PK)	dateRegistered
MB1001	B9854	2024-01-12
MB1002	B5642	2023-01-09
MB1003	B12345	2024-12-12
MB1004	B45245	2023-10-23
MB1002	B9854	2023-09-06
MB1005	B6794	2023-04-23

Categories are stored in movie table and restricted to a fixed list {Action, Children, Drama, Horror, SciFi, Drama}.

movie 			
imdbCode (PK)	title	category	director
IMD006	Fantastic Mr. Fox	Children	Wes Anderson
IMD007	La La Land	Drama	Damien Chazelle
IMB008	Scream	Horror	Wes Craven
IMB001	The Matrix	SciFi	Lana & Lilly Wachowski
IMB009	Parasite	Drama	Bong Joon-ho

vdNumber (PK)	imdbCode (FK)	branchId (FK)	status
D8714	IMD006	B6794	available
D9074	IMD006	B6794	rented
D8545	IMD006	B45245	available
D6543	IMD007	B12345	rented
D3267	IMB008	B9854	rented
D0923	IMB001	B9854	available

memberID (PK)	firstName	lastName	address	phoneNumber
MB1001	Jeff	White	200 E. 13th St. New York, NY	212-555-3242
MB1002	Athena	Mortiz	12 W. 10th St. New York, NY	212-555-6743
MB1003	Bethany	Frankel	12 5th Ave. New York, NY	212-555-8975
MB1004	Alix	Blue	564 Houston St. New York, NY	212-555-0756
MB1005	Matt	Dill	45 Meadow Ln. San Francisco, CA	415-555-3212
MB1006	Scarlett	Saporro	56 Grove St. San Francisco, CA	415-555-2234
MB1007	Amelia	Leone	32 Main St. Chigaco, IL	312-555-7805