

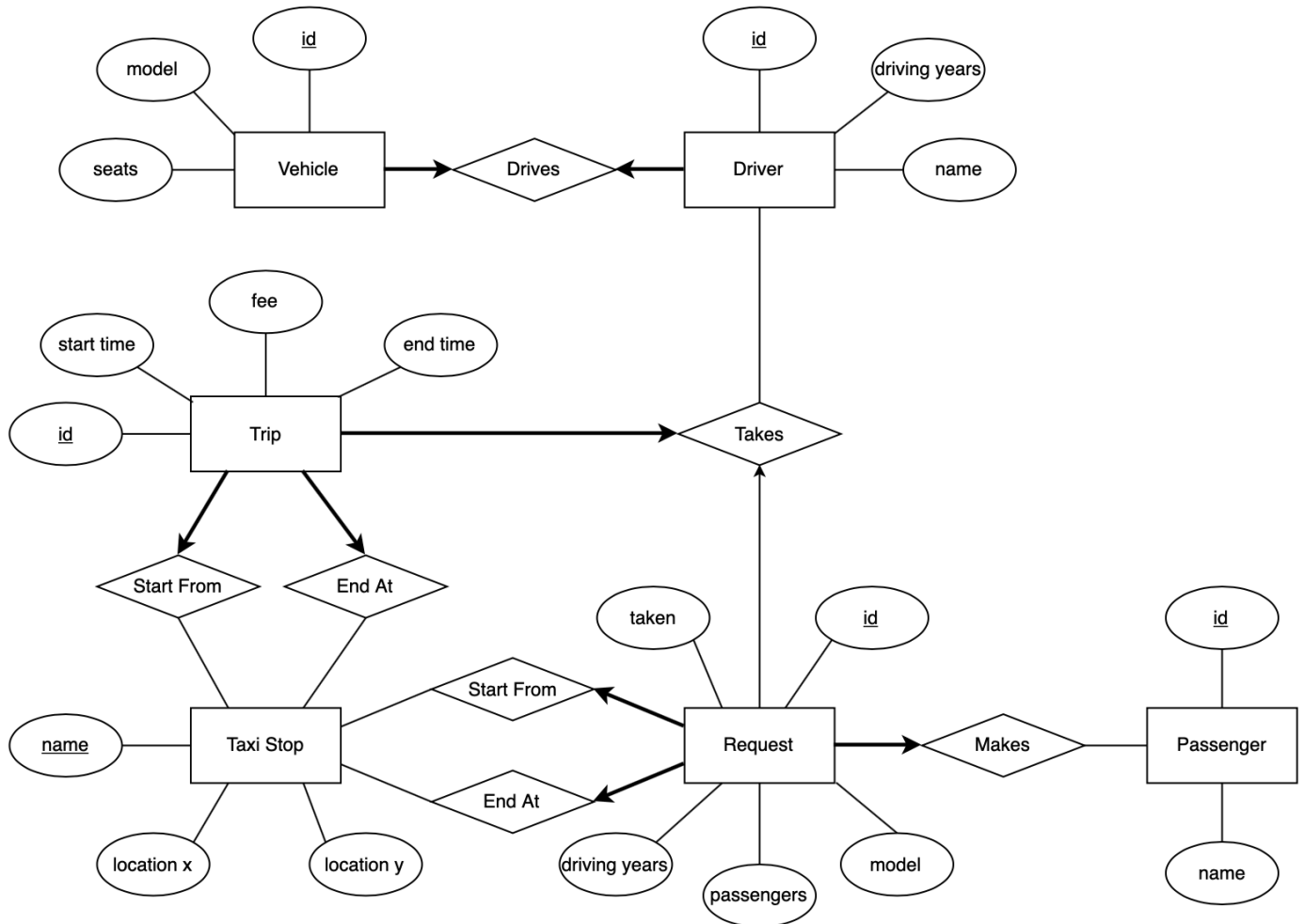
CSCI3170 Introduction to Database Systems (Fall 2020)

Project – Ridesharing System

Phase 1 Suggested Solution

TA in charge: Lai Ziliang (zllai@cse.cuhk.edu.hk), Zhang Mingxue(mxzhang@cse.cuhk.edu.hk)

ER Diagram



Relational Schema

driver(id, name, vehicle_id, driving_years)

vehicle(id, model, seats)

passenger(id, name)

request(id, passenger_id, start_location, destination, model, passengers, taken, driving_years)

trip(id, driver_id, passenger_id, start_location, destination, start_time, end_time, fee)

taxi_stop(name, location_x, location_y)