

1. **many-many**

doctors to patients (treats)



students to classes (taking)

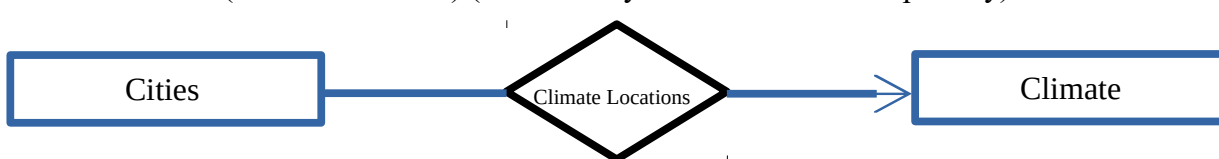


animals to habitats (found in)

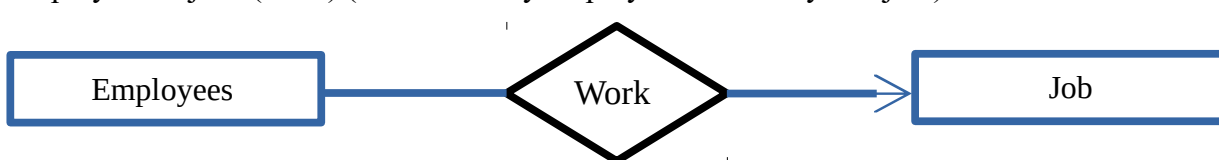


many-one

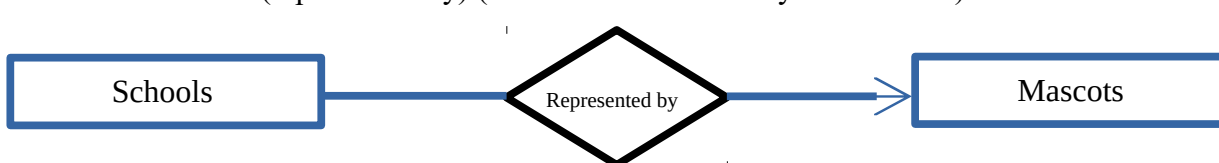
cities to climate (climate locations) (assume only one kind of climate per city)



employees to jobs (work) (Assume every employee has exactly one job.)



schools to mascots (represented by) (Each school has exactly one mascot.)



one-one

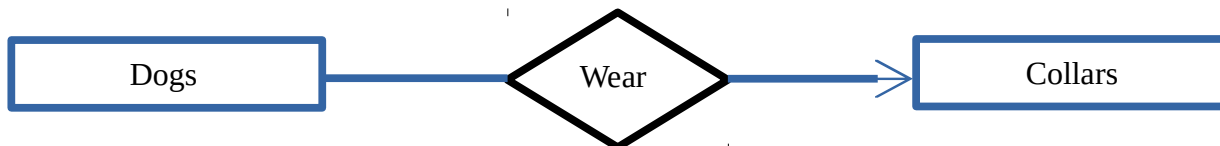
husbands to wives (married) (no polygamy/polyamory, no instances of same-sex pairing)



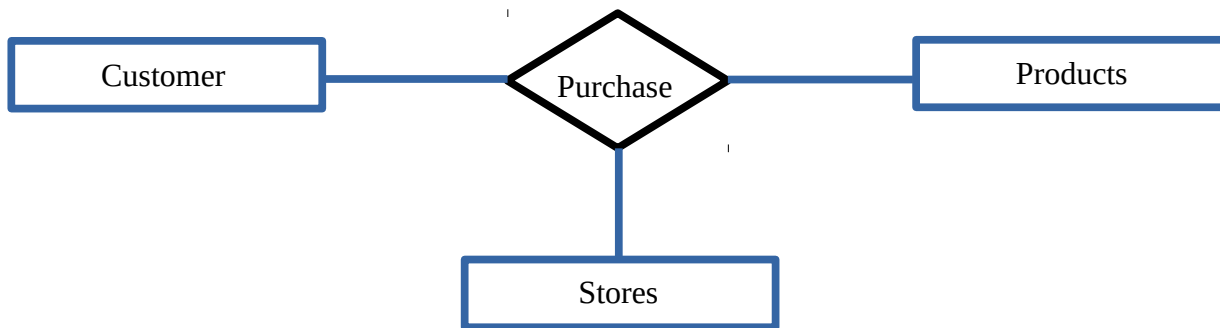
families to houses (lives in) (Only one family per house)



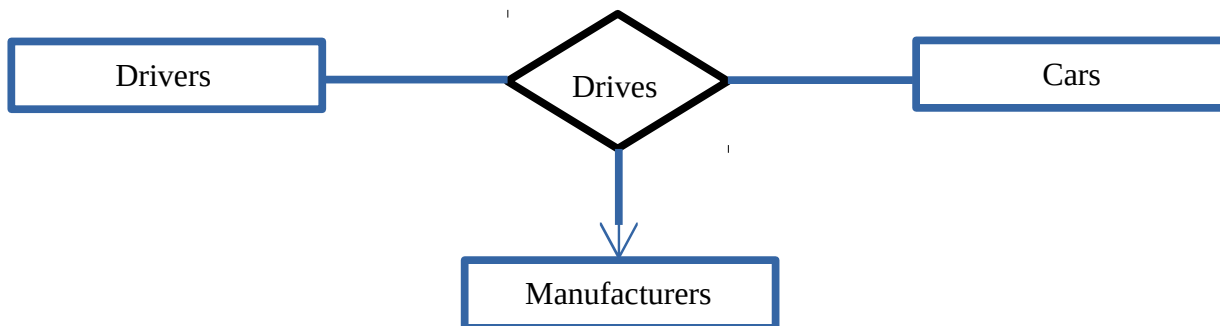
dogs to collars (wears) (Each dog has only one collar.)



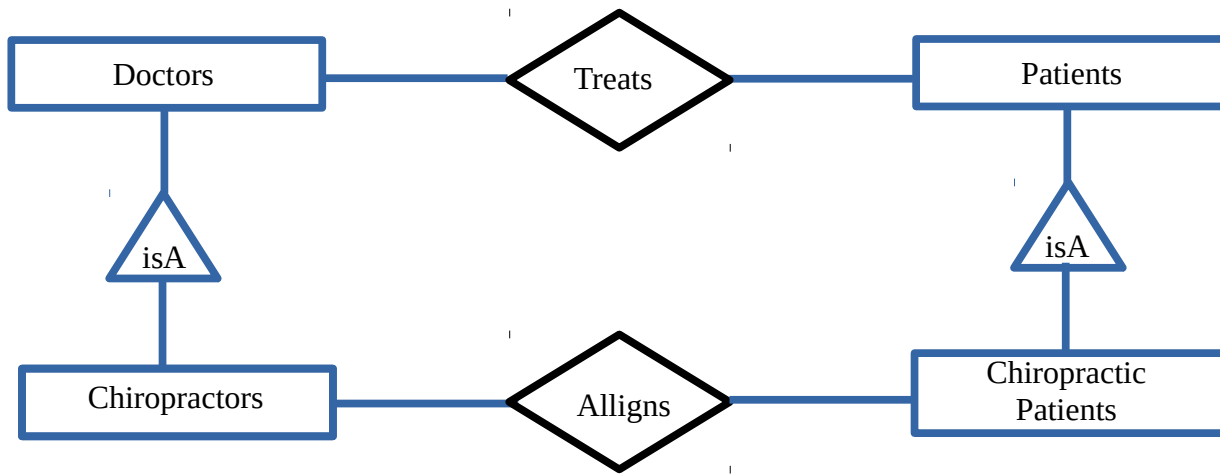
2. a.) Customers purchasing products which are sold at Stores



b.) Drivers who own cars made by manufacturers (Some drivers may only drive cars from certain manufacturers but every car has only one manufacturer.)



3. Chiropractors are doctors who allign the backs of patients with back pain



I, Justin Anthony Timberlake, declare that I have completed this assignment completely and entirely on my own, without any consultation with others. I understand that any breach of the UAB Academic Honor Code may result in severe penalties.