Relational Schema

User = (username, first\_name, last\_name, birthdate, address)

Employee = (username[fk1], taxID, hired, salary, experience)

fk1: username ->User. Username

Owner = (username[fk2], debt)

fk2: username ->User. Username

Pilot = (username[fk3], licence\_type, experience)

fk3: username ->Employee.username

Worker = (username[fk4])

fk4: username ->Employee.username

Restaurant = (name, spent, rating, location[fk5]

fk5: location -> Location.label

Service = (ID, name, revenue, location[fk6])

Fk6: location -> Location.label

Location = (label, x\_coord, y\_coord, space)

Ingredient = (barcode, iname, weight)

Drone = (serviceId[fk7], tag, fuel, cost, capacity, sales, weight, hover[fk12], flown\_by[fk13])

fk7: serviceId -> Service.ID

fk12: hover -> Location.label

fk13: flown\_by -> Pilot.username

Fund = (Provider[fk8], Restaurant[fk9], invested, dt\_made)

fk8: provider -> Owner.username

fk9: Restaurant -> Restaurant.name

Swarm = (FollowerDrone\_serviceId, FollowerDrone\_tag [fk14], LeadDrone\_serviceId, LeadDrone\_tag [fk15])

fk[14]: FollowerDrone\_serviceId, FollowerDrone\_tag -> Drone.serviceId, Drone.tag

fk[15]: LeadDrone \_serviceId, LeadDrone \_tag -> Drone.serviceId, Drone.tag

Contain = (Drone\_serviceId, Drone\_tag [fk16], ingredient[fk17], quantity, price)

fk[16]: Drone\_serviceId,Drone\_tag -> Drone.serviceId, Drone.tag

fk[17]: ingredient -> Ingredient.barcode

works\_for = (employee[fk18], employed\_by[fk19])

fk[18]: employee -> employee.username

fk[19]: employed\_by -> service.ID