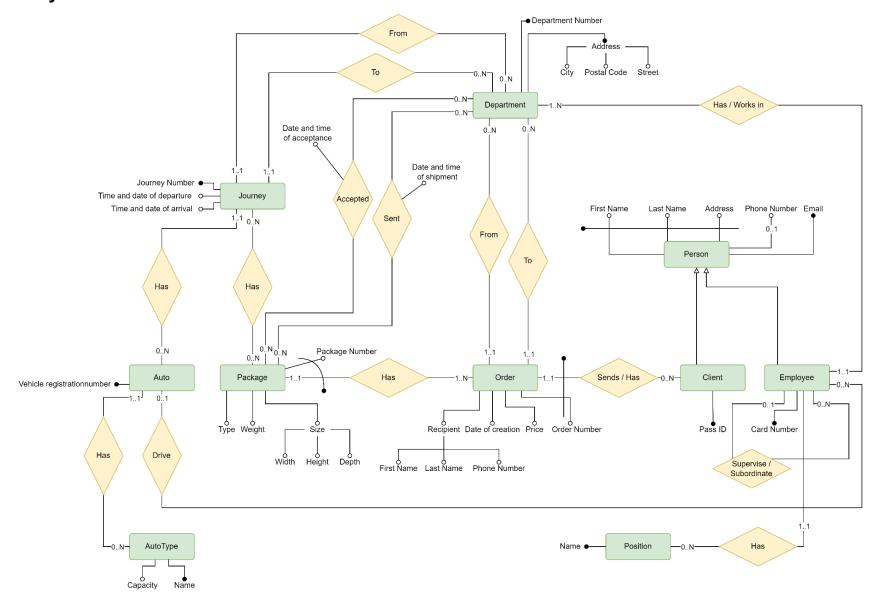# 01: System

Odkaz - https://drive.google.com/file/d/1f_JL1i7DRnYXNC0S0GGkXzDKVWu-owY1/view?usp=sharing

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02: Department

Department(<u>departmentNumber</u>, <u>city, postalCode, street</u>)

03: Order

Order(<u>orderNumber, client</u>, from, to, creationDateTime, price)
      FK: (from) ⊆ Department(departmentNumber)
      FK: (to) ⊆ Department(departmentNumber)
      FK: (client) ⊆ Client(passId)

Recipient(<u>orderNumber, client</u>, firstName, lastName, phoneNumber)
      FK: (orderNumber, client) ⊆ Order(orderNumber, client)

Komentář:
Já bych radši udělal **Order**(<u>orderNumber</u>, client, from, to, creationDateTime, price), protože jinak se může stát, že budeme mít stejný orderNumber a ruzný client, co podle mě není dobré. Ale jak jsem zjistil z přednášky, SET musíme definovat takhle **Order**(<u>orderNumber, client</u>, from, to, creationDateTime, price).

04: Package

Package(<u>packageNumber, orderNumber, client</u>, type, weight, width, height, depth)
      FK: (orderNumber, client) ⊆ Order(orderNumber, client)

AcceptedPackages(<u>packageNumber, orderNumber, client, department</u>, acceptanceDateTime)
      FK: (packageNumber, orderNumber, client) ⊆ Package(packageNumber, orderNumber, client)
      FK: (department) ⊆ Department(departmentNumber)

SentPackages(<u>packageNumber, orderNumber, client, department</u>, shipmentDateTime)
      FK: (packageNumber, orderNumber, client) ⊆ Package(packageNumber, orderNumber, client)
      FK: (department) ⊆ Department(departmentNumber)

Komentář:
Stejný komentář jako k Orderu. Udělal bych takhle **Package**(<u>packageNumber, orderNumber</u>, type, weight, width, height, depth) a tak dále.

05: Person

Person(<u>email</u>, <u>firstName, lastName, address</u>, phoneNumber)

Client(<u>passId</u>, <u>person</u>)
      FK: (person) ⊆ Person(email)

Employee(<u>cardNumber</u>, positon, <u>person</u>, department)
      FK: (position) ⊆ Position(name)

FK: (person) ⊆ Person(email)
FK: (department) ⊆ Department(departmentNumber)

Supervisor(<u>employee</u>, supervisor)
      FK: (employee) ⊆ Employee(cardNumber)
      FK: (superior) ⊆ Employee(cardNumber)

Position(<u>name</u>)

Komentář:
Možná ještě udělat takhle:

Person(<u>email</u>, <u>firstName, lastName, address</u>)
Phone(<u>person</u>, phoneNumber)
      FK: (person) ⊆ Person(email)

Ale podle mě v mém případě je to zbytečně.

06: Auto

Auto(<u>regNumber</u>, driver, type)
      FK: (driver) ⊆ Employee(cardNumber)
      FK: (type) ⊆ AutoType(name)

AutoType(<u>name</u>, capacity)

Komentář:

Stejný komentář pro driver jako s phoneNumber.

07: Journey

Journey(<u>journeyNumber</u>, from, to, departureDateTime, arrivalDateTime, auto)
      FK: (from) ⊆ Department(departmentNumber)
      FK: (to) ⊆ Department(departmentNumber)
      FK: (auto) ⊆ Auto(regNumber)

JourneyPackage(<u>packageNumber, orderNumber, client, journey</u>)
      FK: (packageNumber, orderNumber, client) ⊆ Package(packageNumber, orderNumber, client)
      FK: (journey) ⊆ Journey(journeyNumber)