

Individual(idNumber, fname, lname, gender, birthdate, phoneNumber, addressLine1, addressLine2, zipcode, city, state)

Furniture(furnitureId, categoryName, styleName, qty)

Category(name)

Style(name)

Customer(idNumber, registrationDate)

Employee(idNumber, username, password)

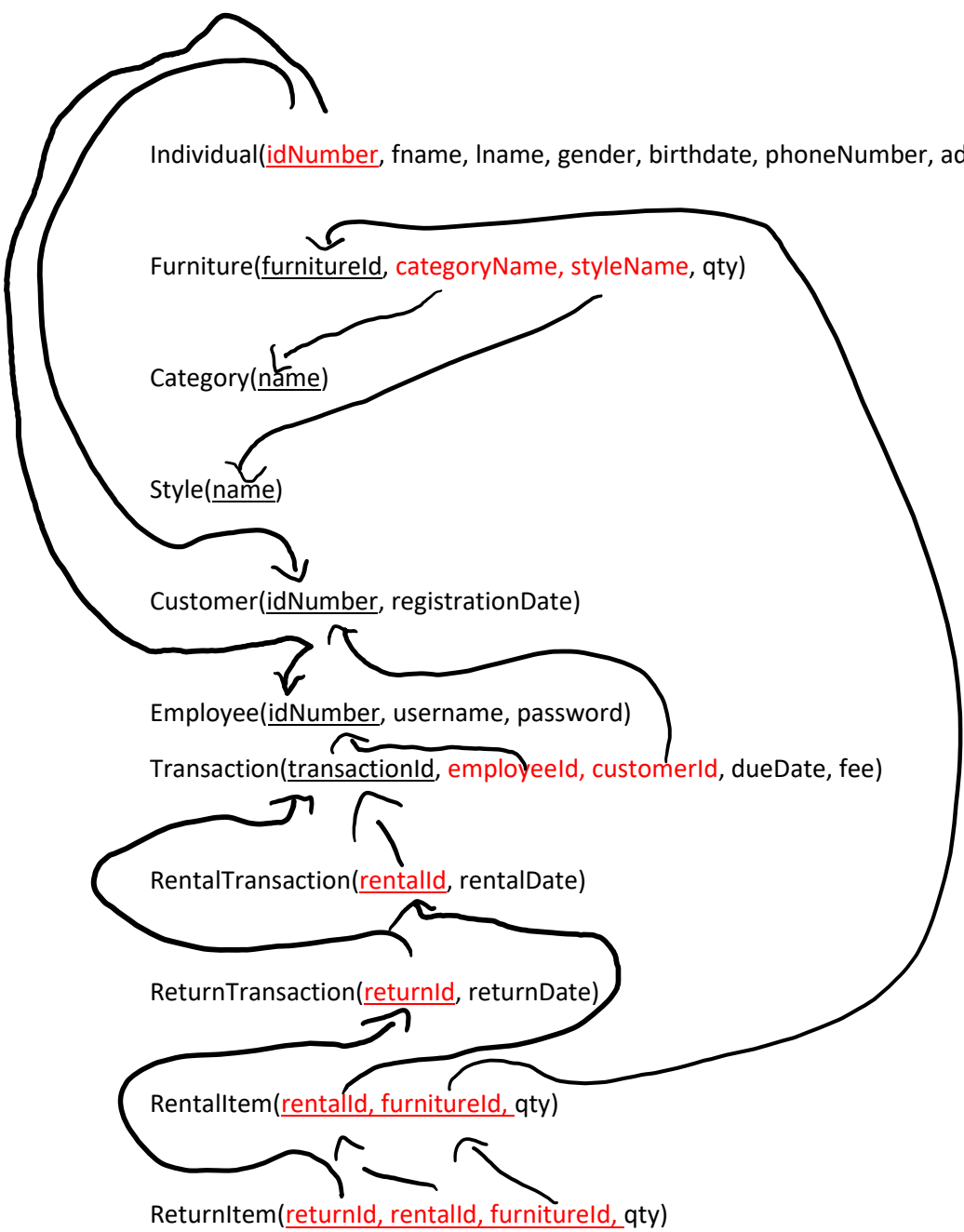
Transaction(transactionId, employeeId, customerId, dueDate, fee)

RentalTransaction(rentalId, rentalDate)

ReturnTransaction(returnId, returnDate)

RentalItem(rentalId, furnitureId, qty)

ReturnItem(returnId, rentalId, furnitureId, qty)



Assumptions

Individual has 2 subtypes that are overlapping partial. Because an employee may rent from the store, but an individual does not have to be a customer nor an employee.

A member can make multiple transactions on the same day with the same due date and fee. So, I gave transaction a surrogate key.

Fee is either the rental cost or the late fee depending on the type of transaction, it has a default value of \$0.00 thus it is never null.

Any given transaction can be either a rental or a return but not both at once. Thus, transaction subtypes are disjoint total.

Category and Style are their own tables.

Any transaction must have at least 1 furniture.