

Gestion d'un service de réparation d'objets

Modélisation relationnelle

Vitória Cosmo, Aubry Mangold, Eva Ray

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Conversion EA-relationnel

```
— person (phone_no, name, comment)
    name NOT NULL
— customer (phone_no, tos_accepted, private_note)
    phone_no référence person.phone_no
    tos_accepted NOT NULL
— collaborator (phone_no, email)
    phone_no référence Person.phone_no
    email NOT NULL
— manager (phone_no)
    phone_no référence collaborator.phone_no
— technician (phone_no)
    phone_no référence collaborator.phone_no
— receptionist (phone_no)
    phone_no référence collaborator.phone_no
— language (name)
— receptionist_language (phone_no, language_id)
    phone_no référence receptionist.phone_no
    language_id référence language.name
— specialization (name)
— technician_specialization (phone_no, spec_id)
    phone_no référence technician.phone_no
    spec_id référence specialization.name
— Reparation (id, object_id, customer_id, receptionist_id, date_created, quote, description,
    estimated_duration, reparation_state, quote_state)
    date_created, description, reparation_state, quote_state NOT NULL
    object_id référence object.id UNIQUE, NOT NULL
    customer_id référence customer.phone_no NOT NULL
    receptionist_id référence receptionist.phone_no NOT NULL
— technician_reparation (technician_id, reparation_id)
    technician_id référence technician.phone_no
    reparation_id référence reparation.id
— specialization_reparation (spec_id, reparation_id)
    spec_id référence specialization.name
    reparation_id référence reparation.id
— sms (id, reparation_id, timestamp, message, sender, receiver, processing_state)
    reparation_id référence reparation.id NOT NULL
— object (id, customer_id, name, fault_desc, location, remark, serial_no, brand, category)
    name, fault_desc, location, brand, category NOT NULL
    customer_id référence customer.phone_no NOT NULL
— brand (name)
— category (name)
— sale (object_id, id_sale, price, date_created, date_sold)
    object_id référence object.id
```