addictoMed
Domain Model and Sequence Diagram

Gruppe "Black"

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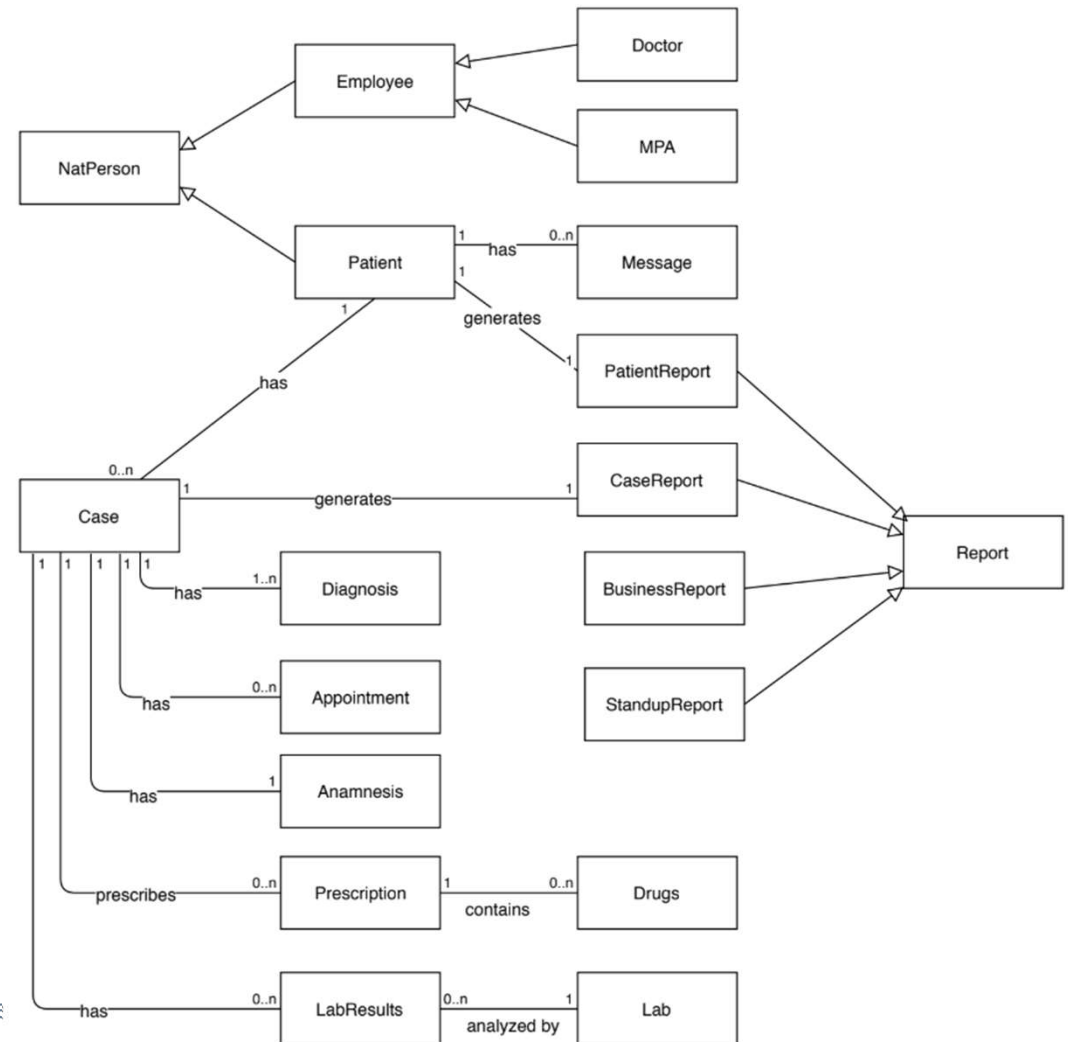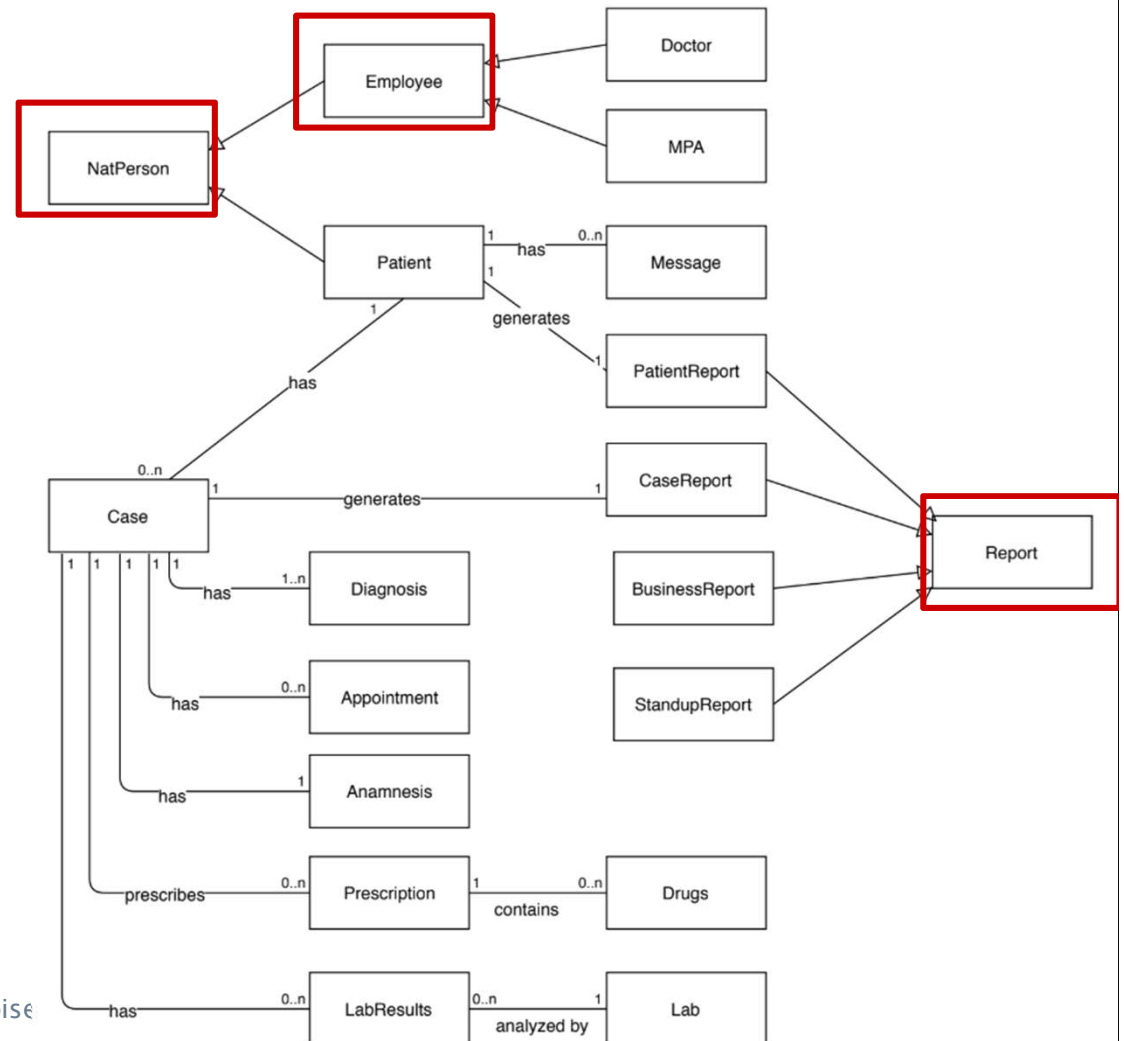
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UML Domain Model

Abstract Classes

- ▶ natPerson
- ▶ Employee
- ▶ Report

CRC Cards

- ▶ CRC (Class-Responsibility-Collaboration-Card)
- ▶ Structure
    - ▶ Class
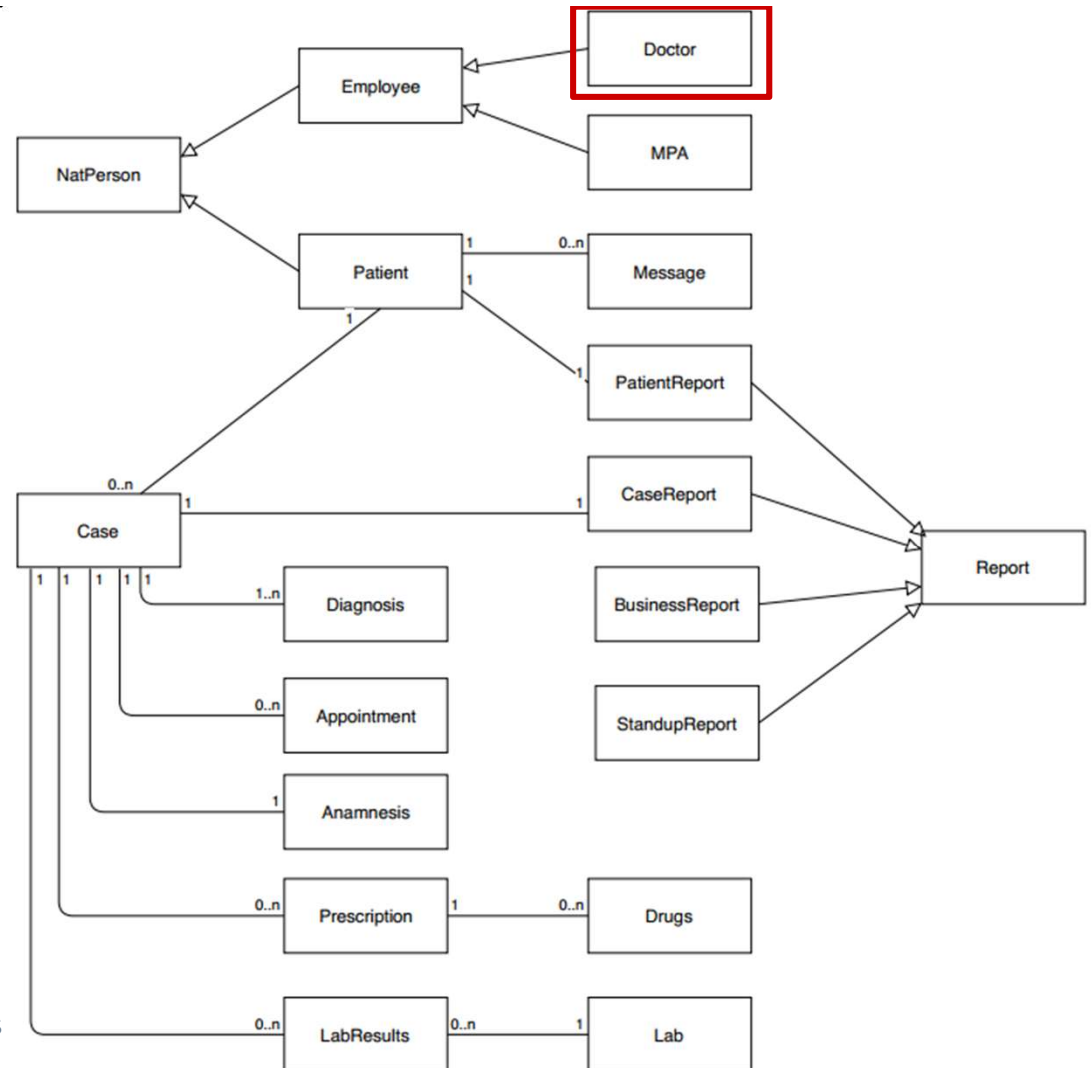   - ▶ Responsibilities
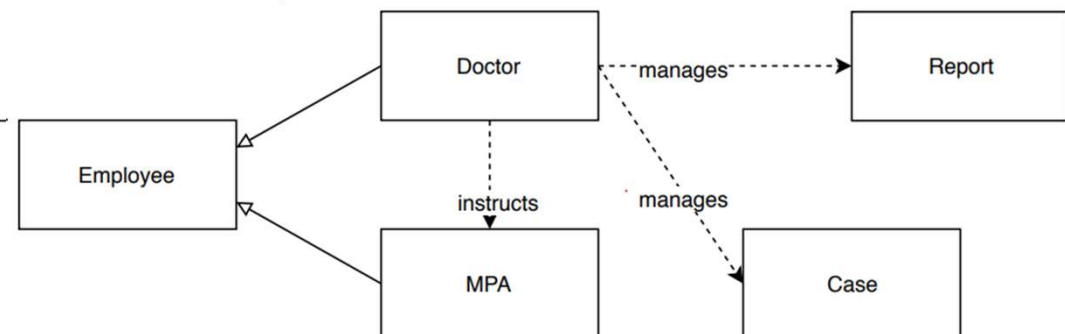   - ▶ Collaborators

- ▶ Examples
    - ▶ Doctor
    - ▶ Case
    - ▶ DailyReport

CRC Cards Doctor

CRC Cards Doctor

Doctor	
a doctor is the main role of our application	
Responsibilities	**Collaborators**
Functions: • knows his admission number • knows his speciality • can change his speciality • can generate reports • can manage a case **Attributes:** • AdmissionNumber • Specialty	• Extends Employee • Uses reports • Instructs MPA • Uses Case

CRC Cards Case

Case
A case describes one finite consultation between a doctor and a patient

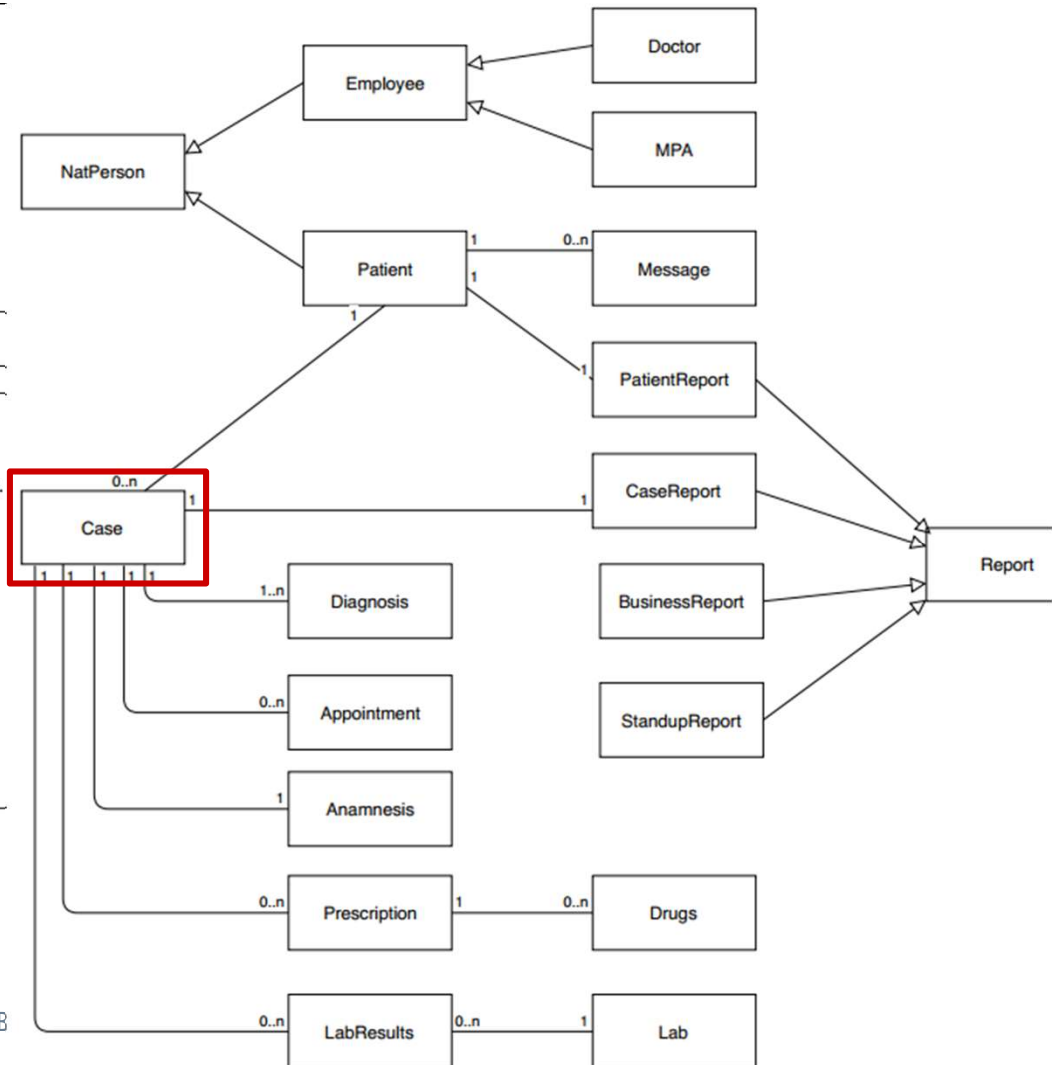| Responsibilities	Collaborators
Functions: • knows the time it starts and ends • knows where it's located • knows its insurance • mutate its attributes **Attributes:** • CreationDate • EndDate • Place • Insurance • InsuranceName • InsuranceNr	- Belongs to exactly 1 Patient - Belongs to exactly 1 CaseReport - Can contain 0 or multiple Appointment, Prescription, LabResults. - Has at least 1 or multiple Diagnosis - Has exactly 1 Anamnesis

CRC Cards Doctor

Report

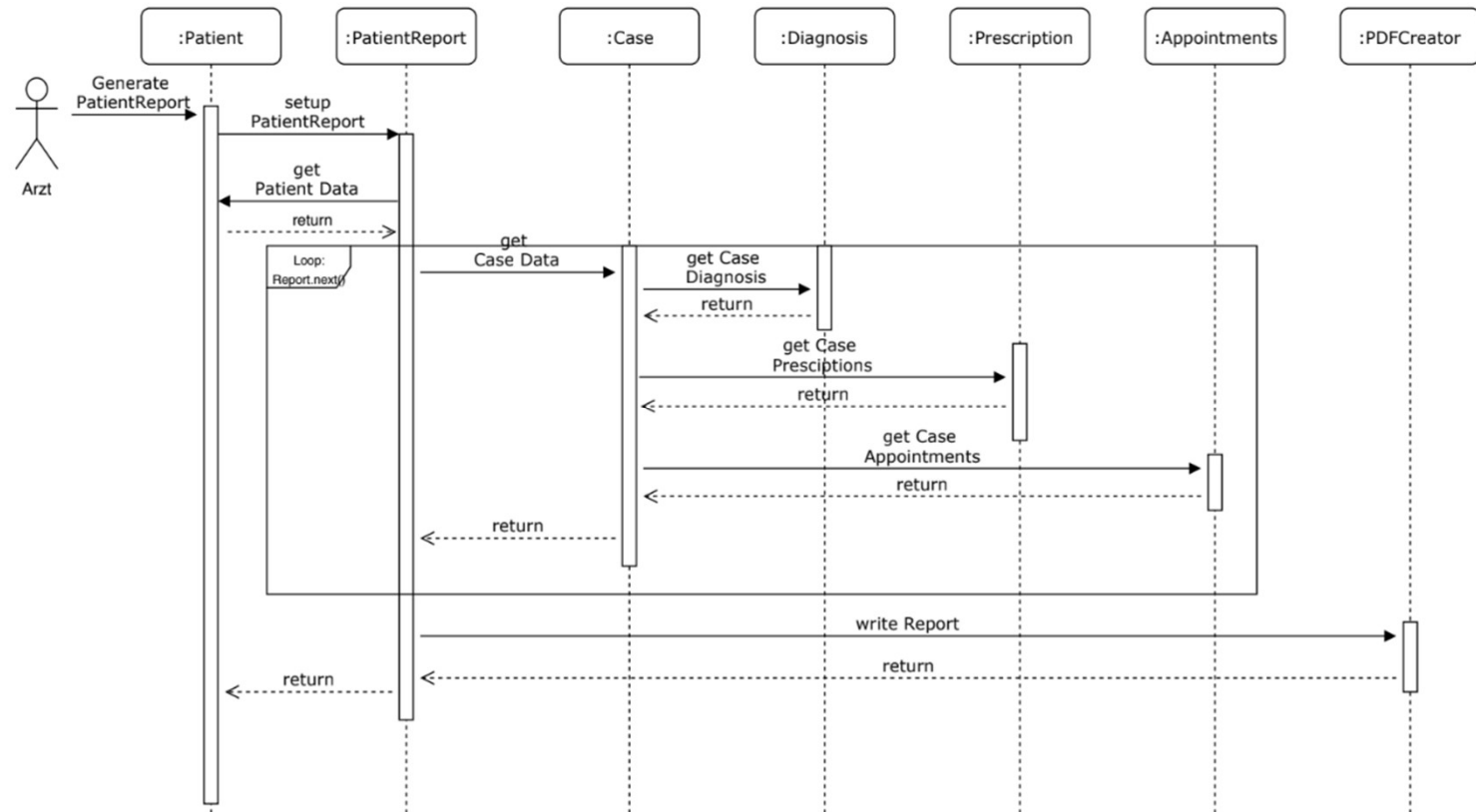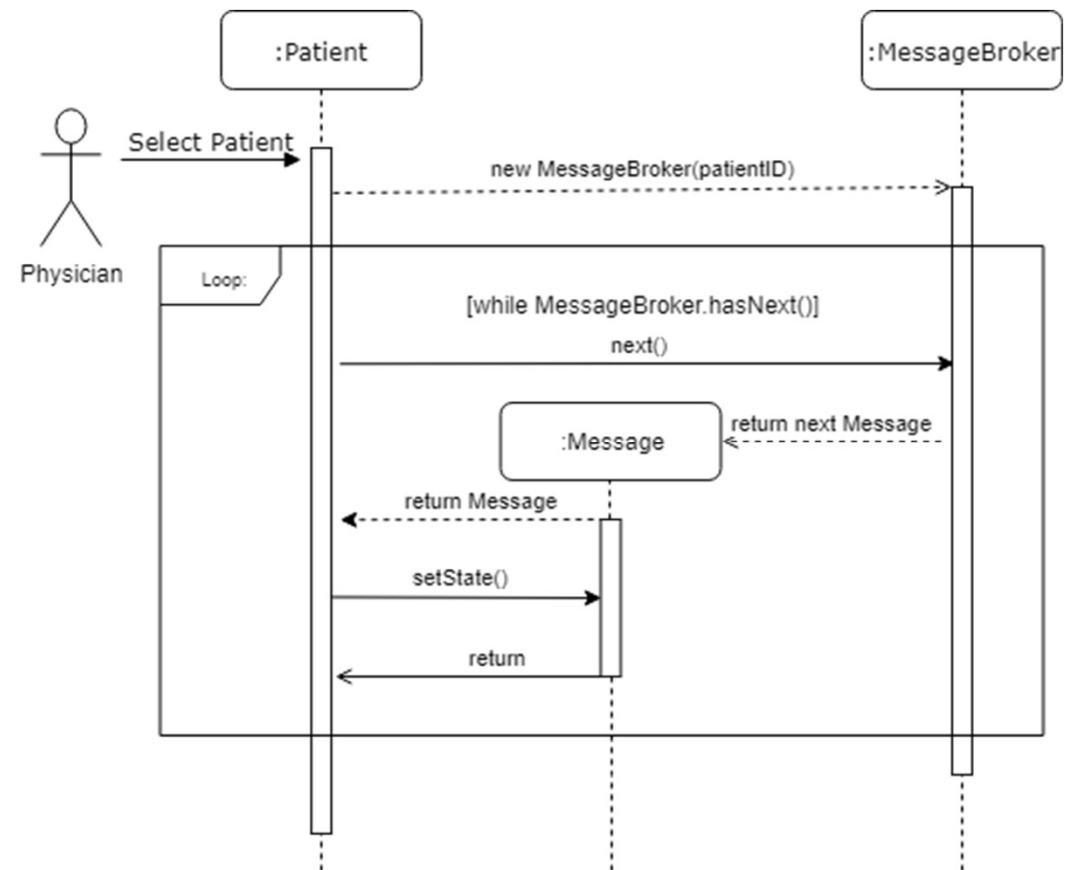| Report (abstract class)	
Is the basis for the Patient-, Case-, Business- and StandupReport.	
Responsibilities	Collaborators
<table><tr><td>Functions: - knows his content - knows his purpose / description - knows his creation date - knows who issued the report - getXML </td></tr><tr><td>Attributes: - Title - Description - IssueDate - IssuedBy </td></tr></table>	• is created by Employees • Is Superclass of PatientReport, CaseReport, BusinessReport and StandupReport

DailyReport

DailyReport (Schichtübergabe)	
is the basis for shift changeover	
Responsibilities	Collaborators
<table><tr><td>Functions: - knows patients, when it's issued - knows and mutate its description </td></tr><tr><td>Attributes: - list of patients - description </td></tr></table>	• extends Reports

Sequenzdiagramm: Erstellen eines Casereports

Sequenzdiagramm: Notification

Quellen

▶ https://www.bag.admin.ch/bag/de/home/das-bag/organisation/ausserparlamentarische-kommissionen/medizinalberufekommission-mebeko.html

▶ https://www.youtube.com/watch?v=JCUosKzZ_Rw