

medicine sharing program (MSP) description

MSP stores and shares information about registry, order, availability and delivery of medicine.

Pharmacy, clinic and patients are users of the system.

Information sharing is supported by email and/or sms, in addition to MSP status check.

Delivery of some medicine is provided only by a recipe.

A delivery is available only to a patient with patient consent.

A patient or a clinic can order a medicine from a pharmacy.

Any order is cancelled if a medicine is not delivered in 3 months.

nouns

MSP

info

medicine

pharmacy

patient

clinic

verbs

stores
shares (info)

has (registry
order
availability
delivery of (medicine))

has (info)

uses (the system)

info — shared (by email, sms,
msp status check)

email
sms
msp status check — shares (info)

medicine — has (delivery)

delivery — provided only by (recipe)
has when consent
(of patient)

medicine — ordered
(from pharmacy)
(by a clinic)
(by a patient)

recipe — allows cancelled if 3 months
after
(some medicine)

patient — has (consent)

Scenario 1

Patient A orders 2 paracetamol with the help of MSP from the nearest pharmacy in the town. But she gets a warning that 2 or more doses are only available with a recipe. She thinks that her pain is not so severe. She orders 1 dose. MSP gives a feedback that pharmacy has paracetamol available. She can buy medicine in 40 minutes.

CRC for Scenario 1

Class Name : MSP

| Responsibility | Collaboration: |
|-----------------------------------|-----------------|
| receives user input | Scanner.in |
| checks availability of a medicine | Pharmacy |
| feedbacks on availability | Scanner.out |
| locates nearest pharmacy | LocationManager |
| orders medicine | → pharmacy |
| feedbacks on delivery time | → time |
| | → Scanner.out. |