# CS1 Task 7 Domain Model and Sequenz Diagramm

# UML domain model

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# UML sequence diagram

# Information update

Diagram 1

The sequence diagram of (diagram 1) describes the process when the user updates some information in our software. The user starts with:

1. Enter the PID and get access to Patient Information
2. With the PID,UID and Patient Information we get access to our database
3. The system tests if the user has permit to the information in our database
4. If the user has the necessary rights, information’s are shown out from our database in the Patient information system
5. If the user hasn’t the necessary rights, the information out of the database won’t shown on the user
6. On situation 4 the user has the right to edit patient Information’s.
7. New information’s will add in the database
8. The data base let the patient Information system known that information’s are now up to date.
9. The user gets am message, that all information are up to date.

# Information about some specific event

Diagram 2

The sequence diagram of (diagram 2) describes the process when the system alerts the user about a specific event. The user starts with:

Beispiele:

1.Neue Informationen sind verfügbar, welche die Sekretärin eingegeben hatte ->der Arzt wird informiert.

2.Der Arzt gab eine falsche Telefonnummer ein in der SMS-Benachrichtungsfunktion->der User kriegt eine Fehlermeldung(Event wurde ausgelöst, SMS kam nie beim Empfänger an)

Unser Sequenz Diagram sollte beide Fälle abdecken nicht nur der 1.Fall

1. Enter the PID and get access to Patient Information’s
2. With the PID, UID the Patient Information system check on database if new information’s are available.
3. The system tests if the user has permit to the information in our database
4. If no new information’s are available, the data base tells that fact on the patient information system. No system alert has to turn on to the user.
5. If the user hasn’t the necessary rights, the information out of the database won’t shown on the user
6. If the user has the necessary rights, and new information’s are available, the database tells that fact on patient information system and then on the user.
7. The patient information system check if an alert has to turn on.
8. If an alert will turn on, the data base will save alert information’s an inform the wit an alert message on the user
9. If no alert will turn on, nothing will happen.

# Refined UML domain model

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