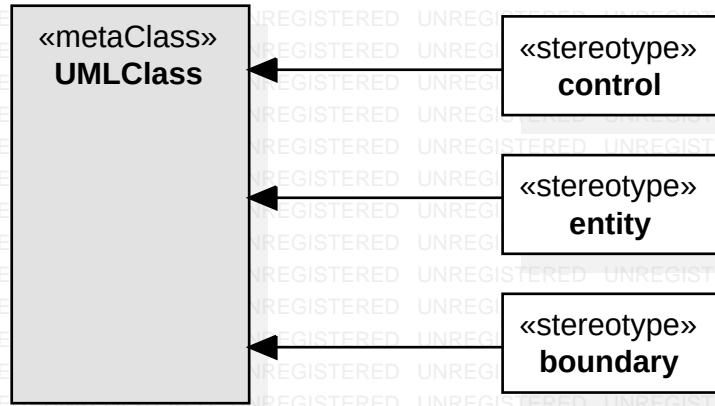
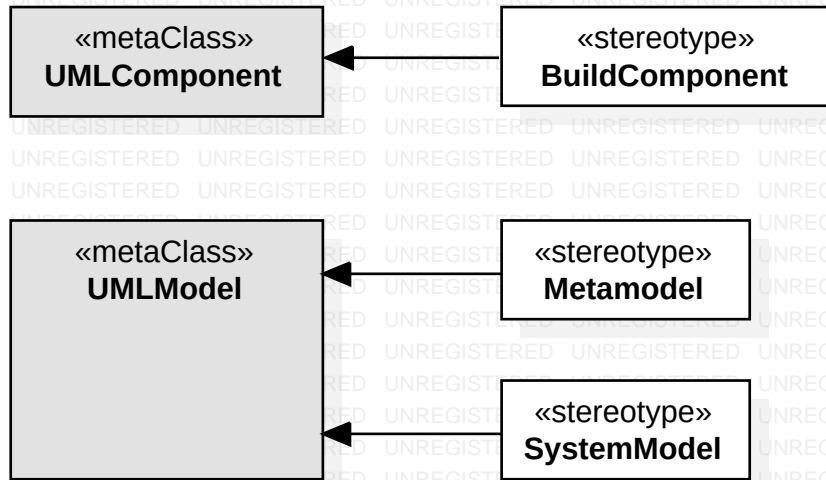


UMLStandardProfile::Robustness Stereotypes



UMLStandardProfile::UMLAbstraction::Wireframe1::WFWireframeDiagram1

UMLStandardProfile::StandardProfileL3



Model1::UseCaseDiagram1



DBMS



AngajatSpital



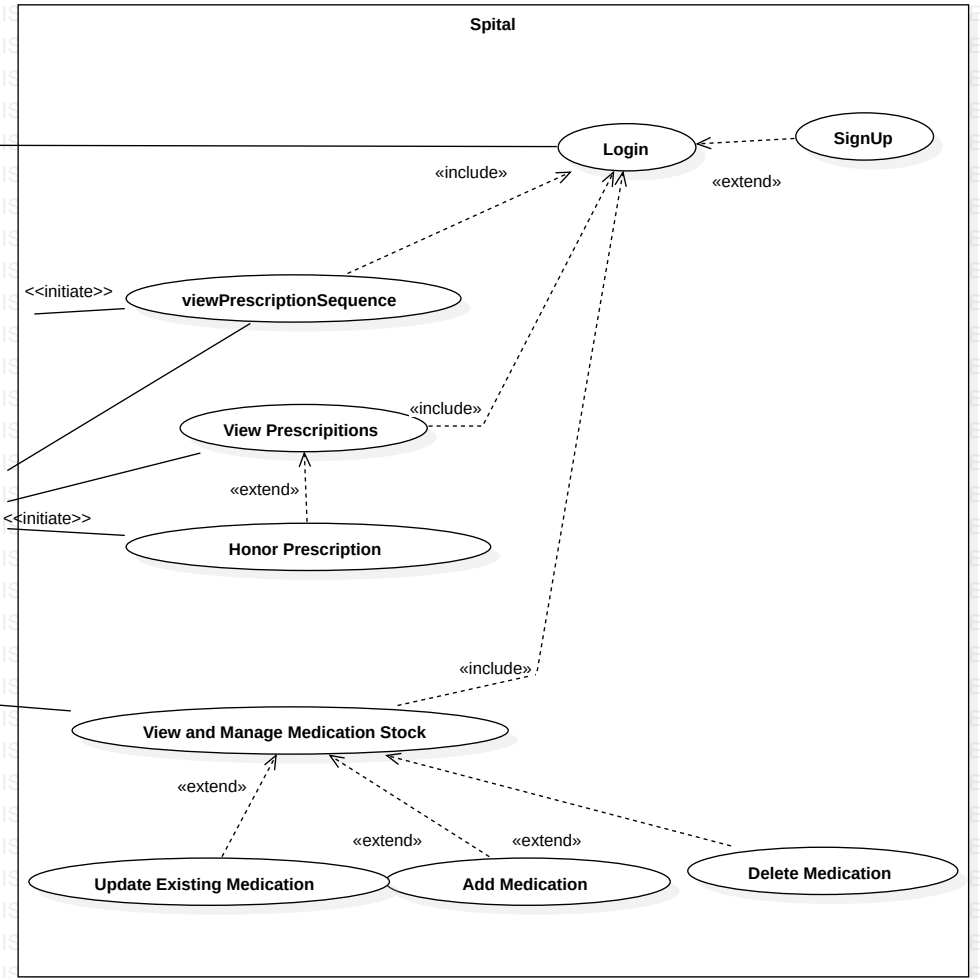
Doctor

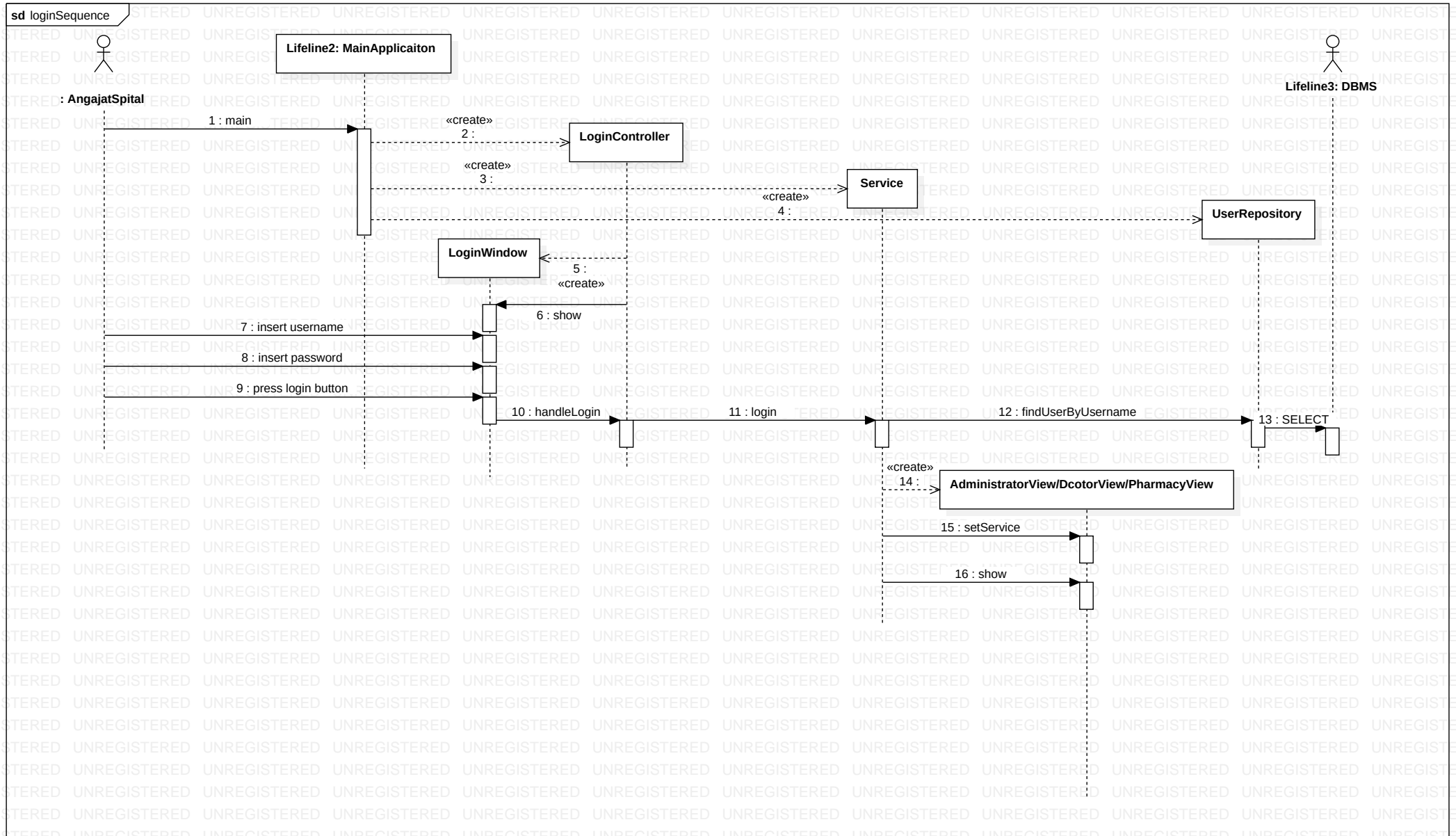


Operator Farmacie

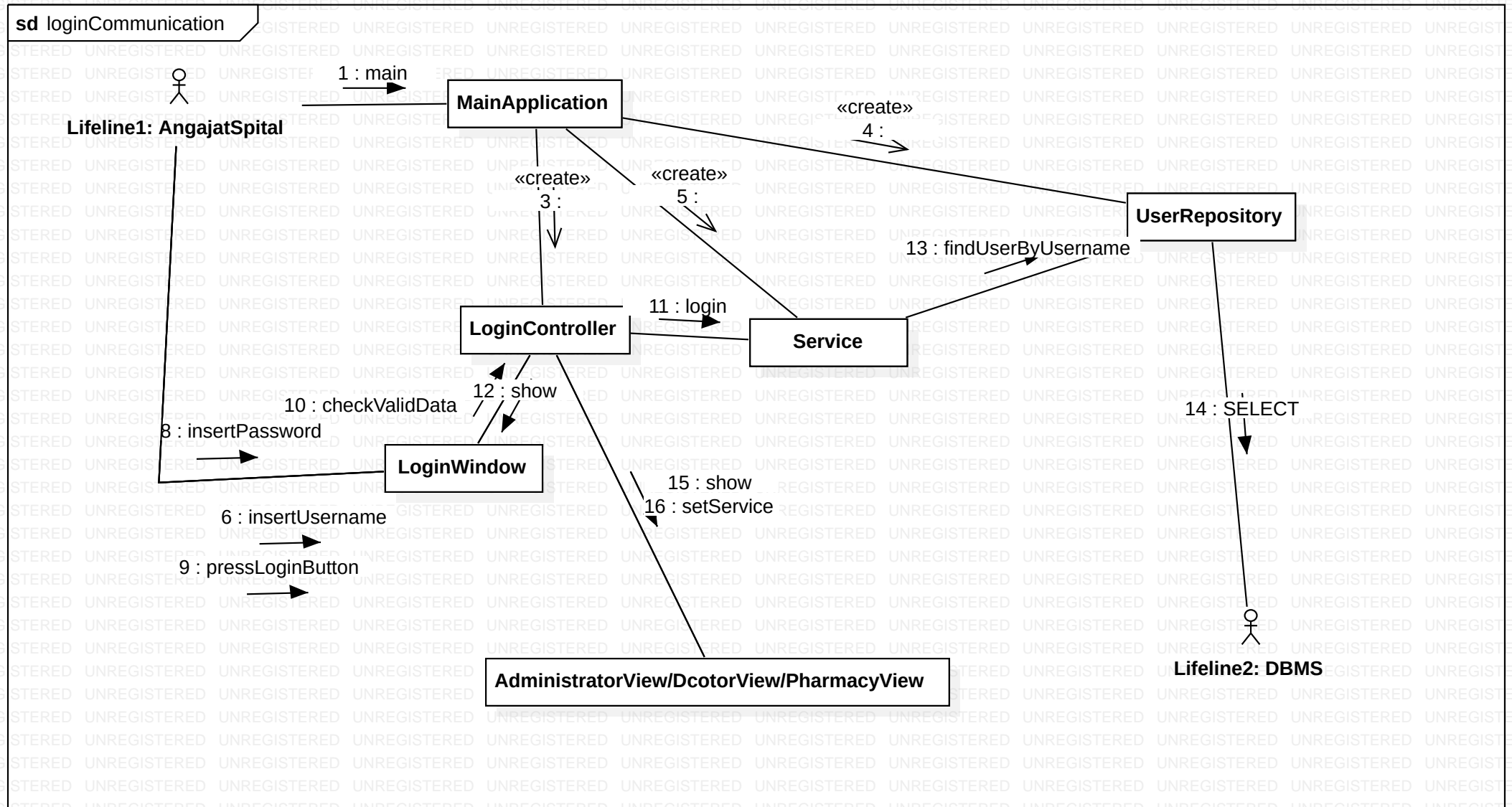


Administrator

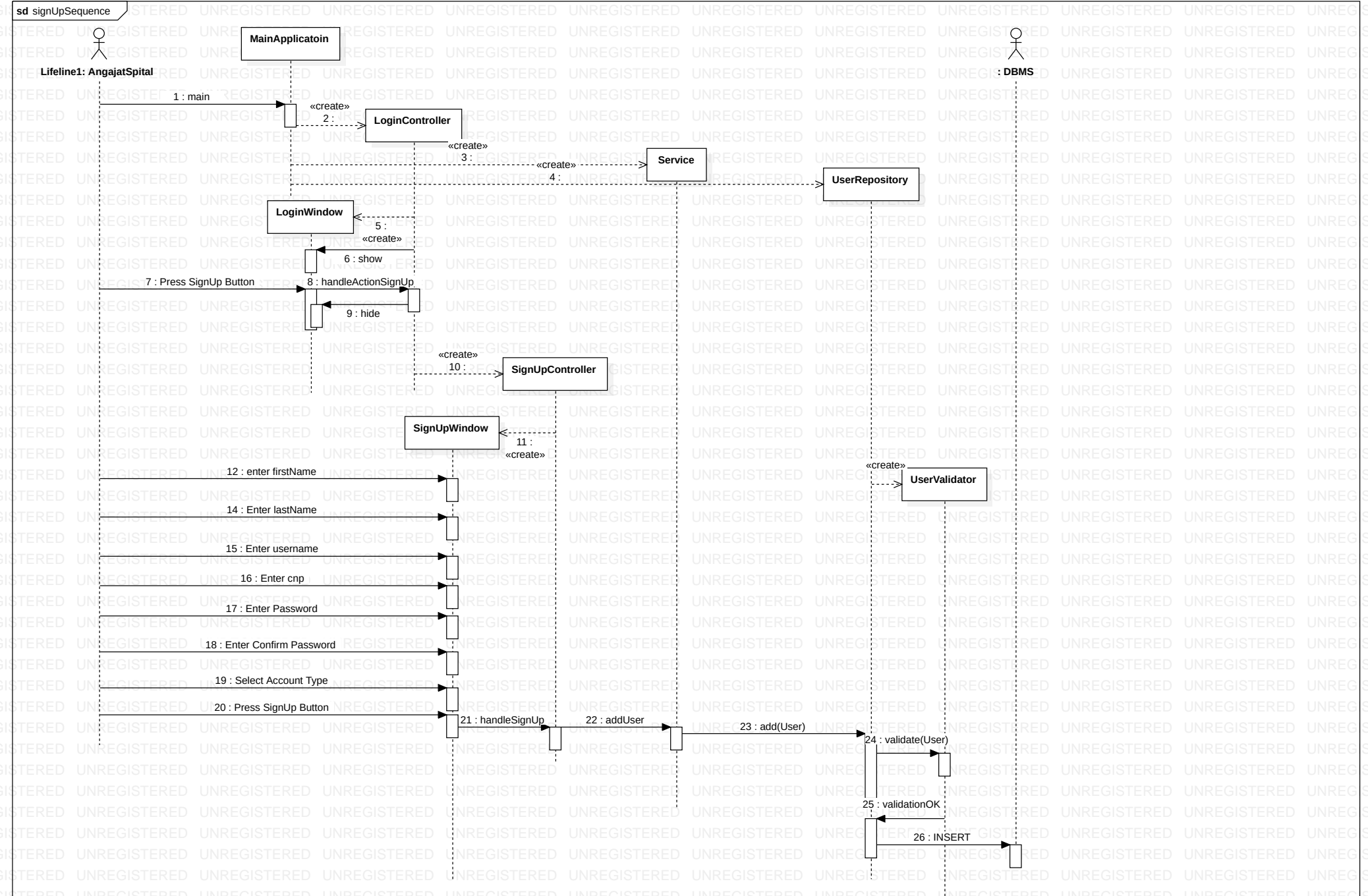




Collaboration1::Interaction2::loginCommunication

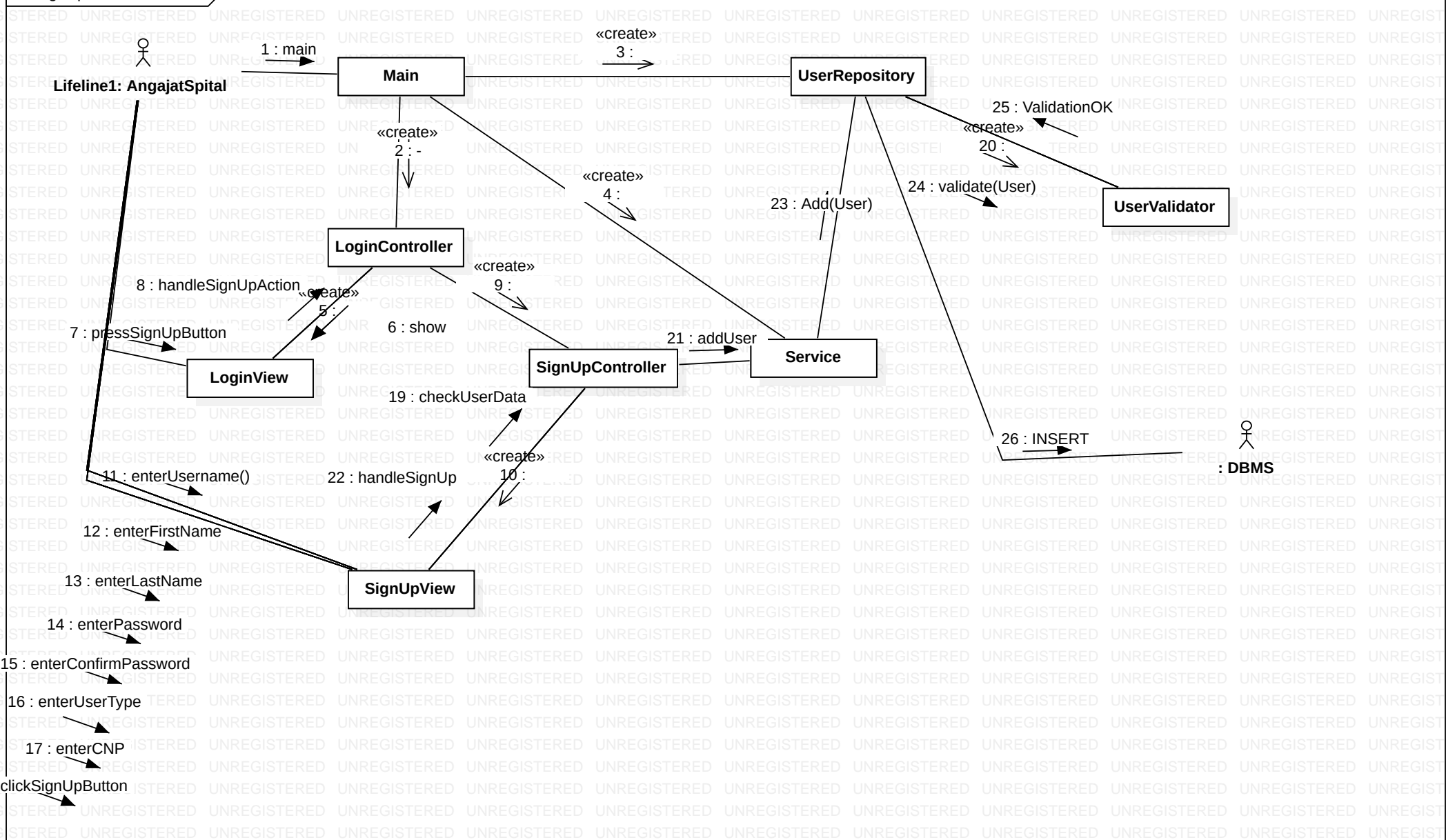


Collaboration1::Interaction3::signUpSequence

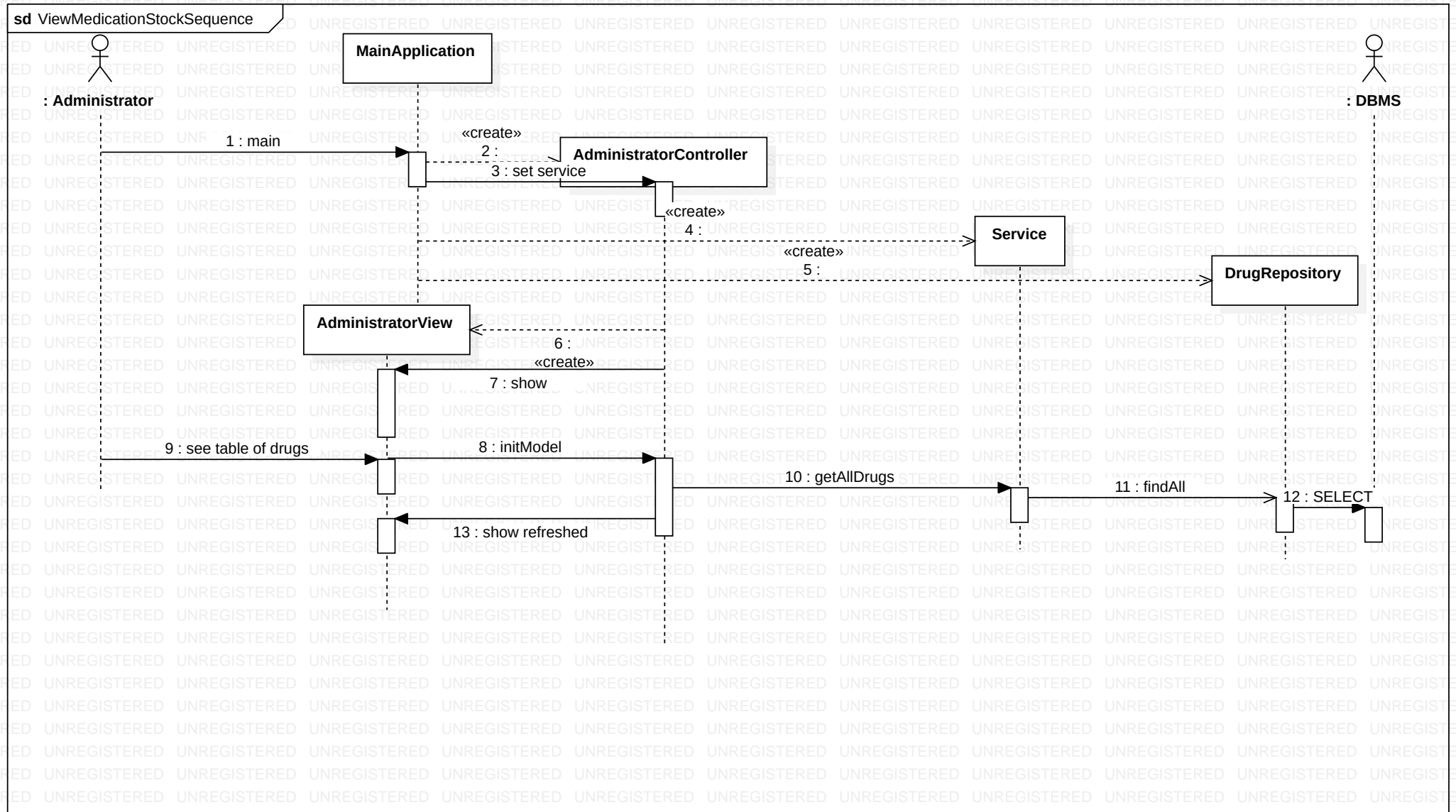


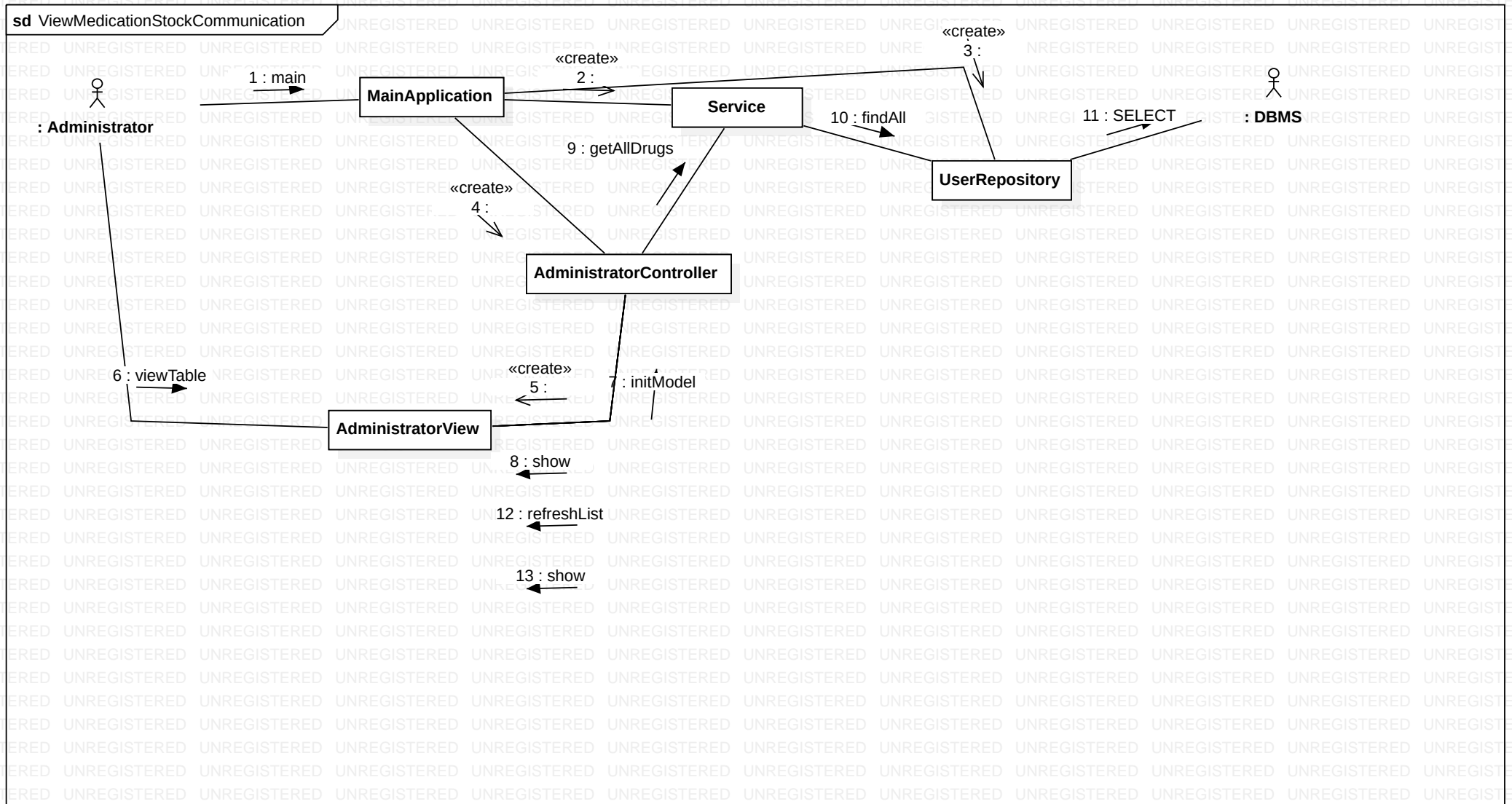
sd signUpCommunication

sd signUpCommunication

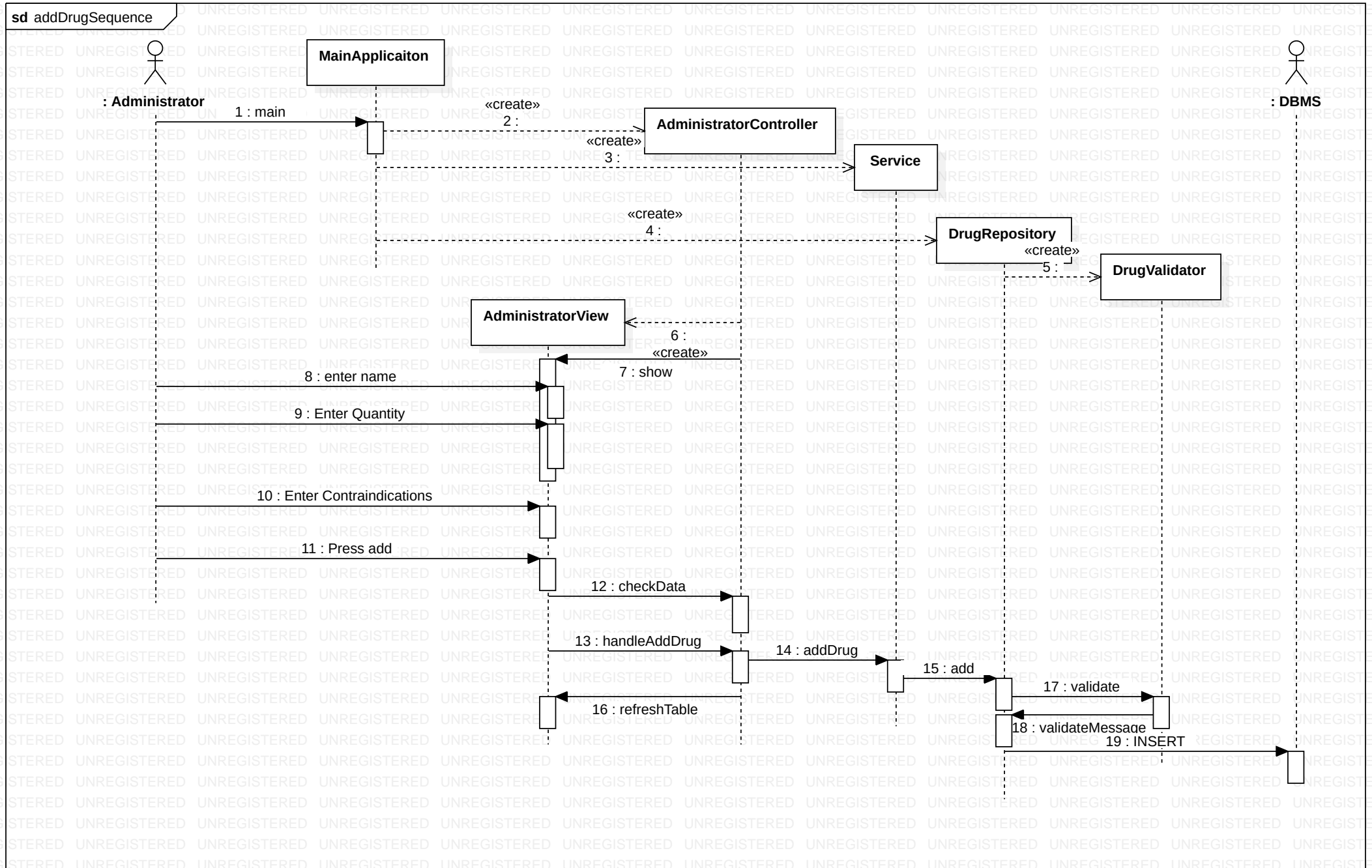


Collaboration1::Interaction5::ViewMedicationStockSequence

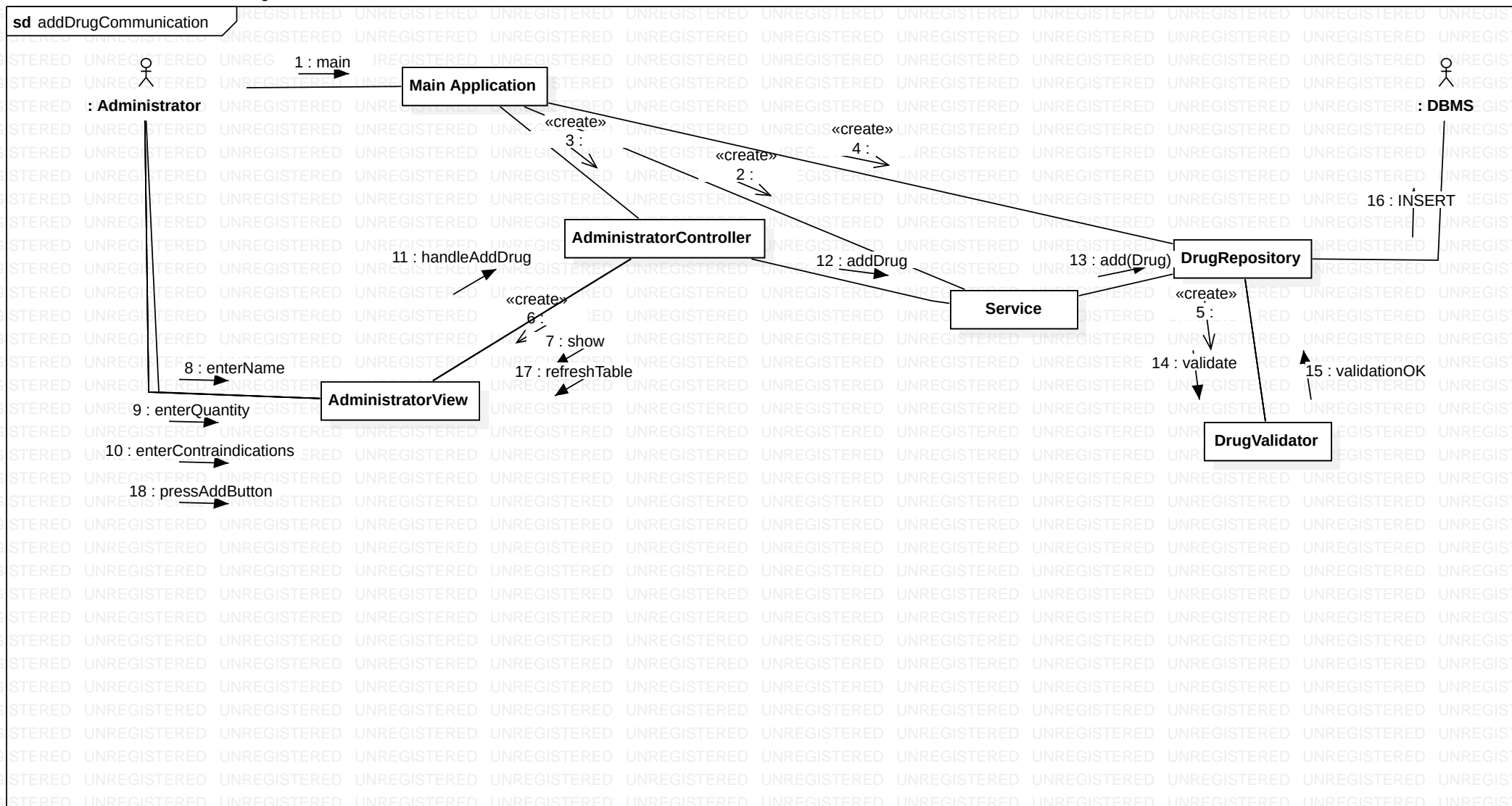




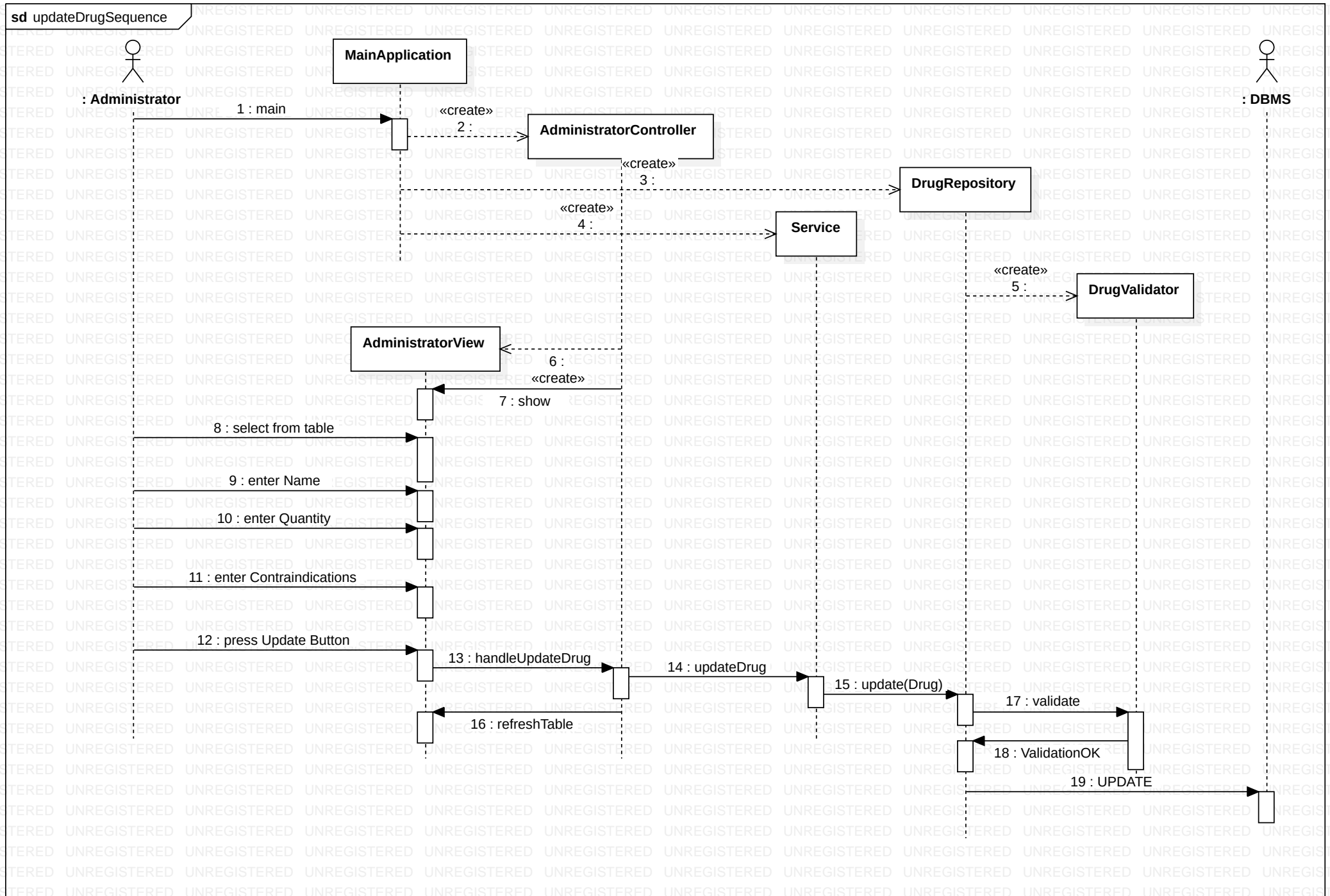
Collaboration1::Interaction7::addDrugSequence



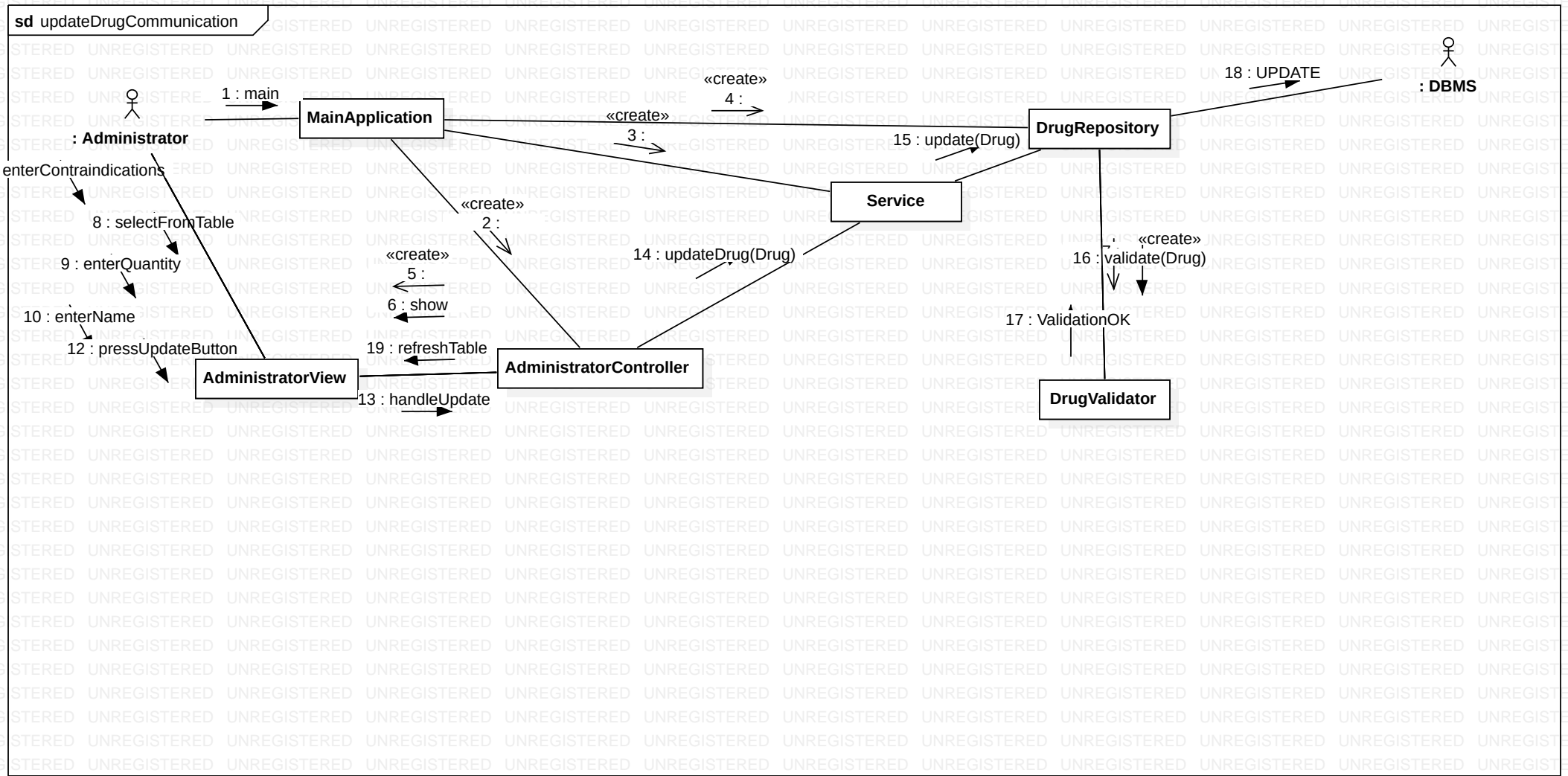
Collaboration1::Interaction8::addDrugCommunication



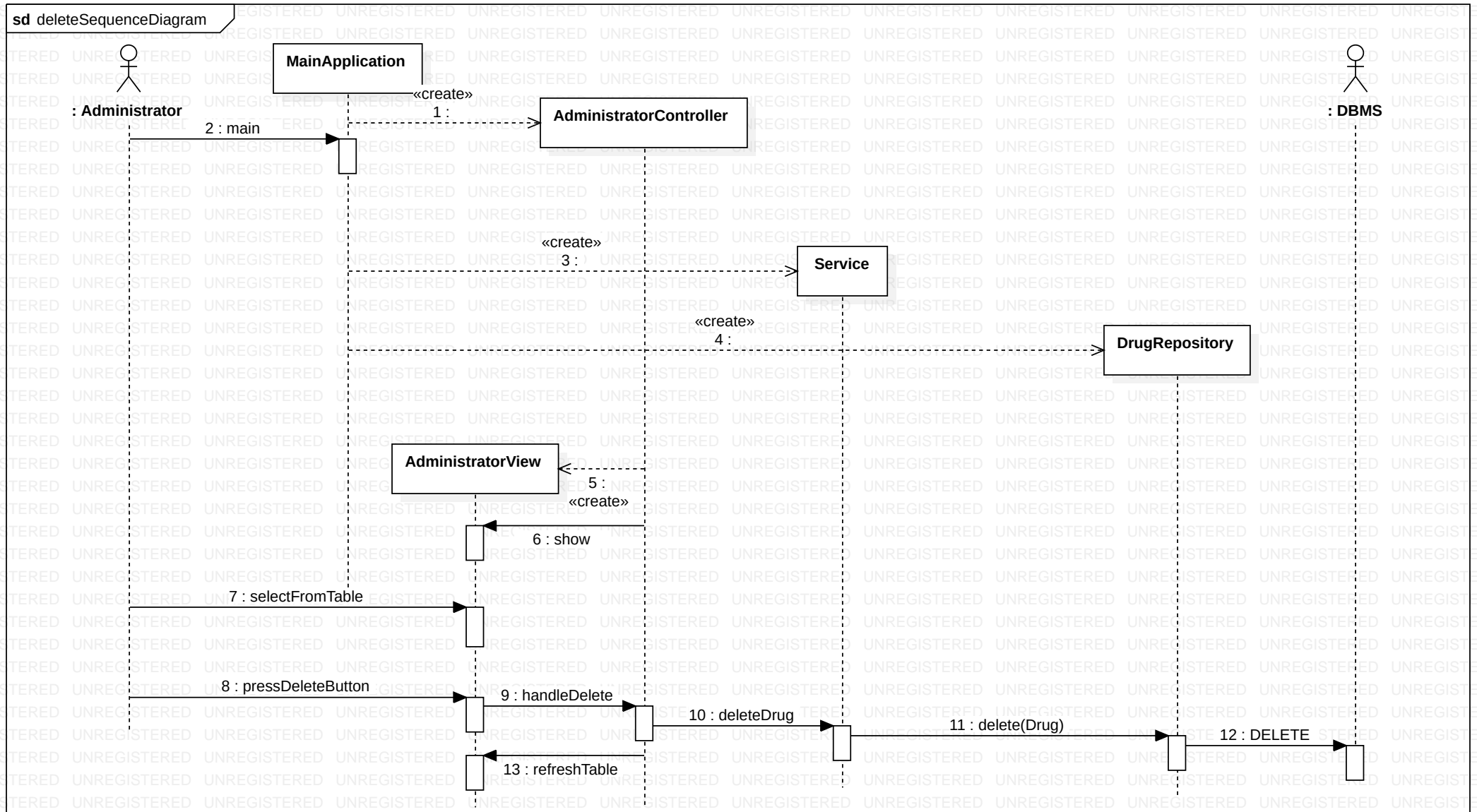
Collaboration1::Interaction9::updateDrugSequence



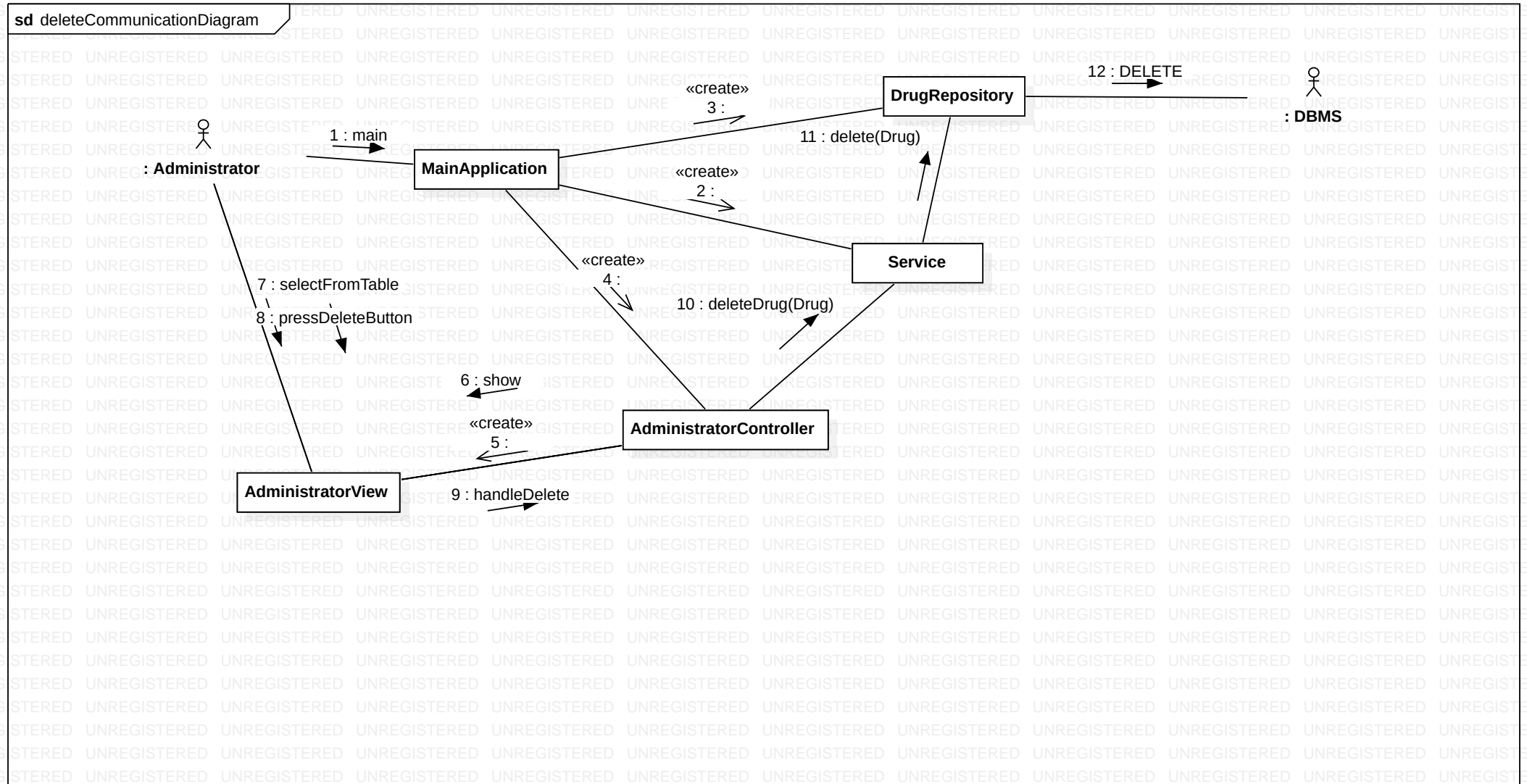
Collaboration1::Interaction10::updateDrugCommunication



Collaboration1::Interaction11::deleteSequenceDiagram

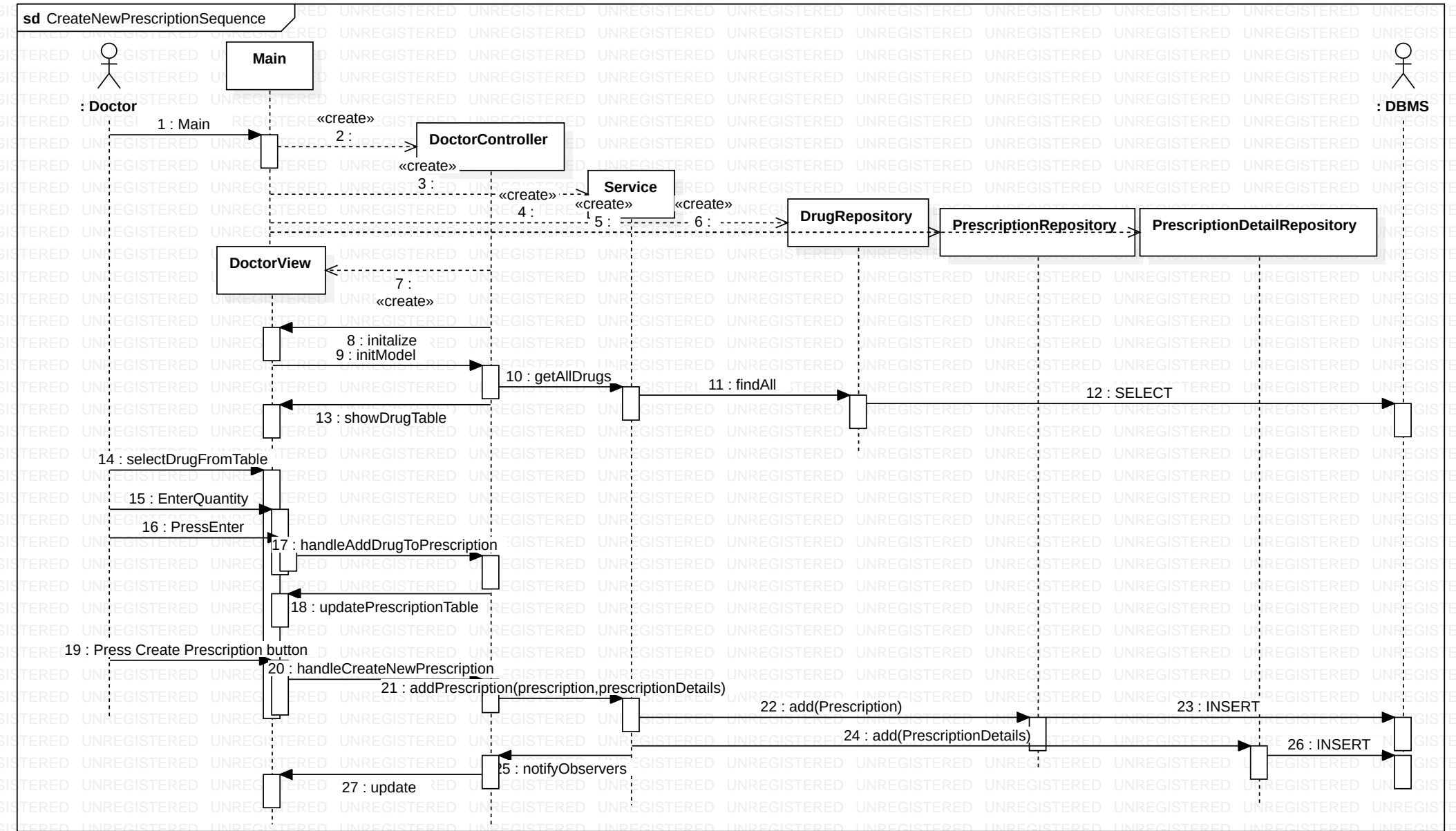


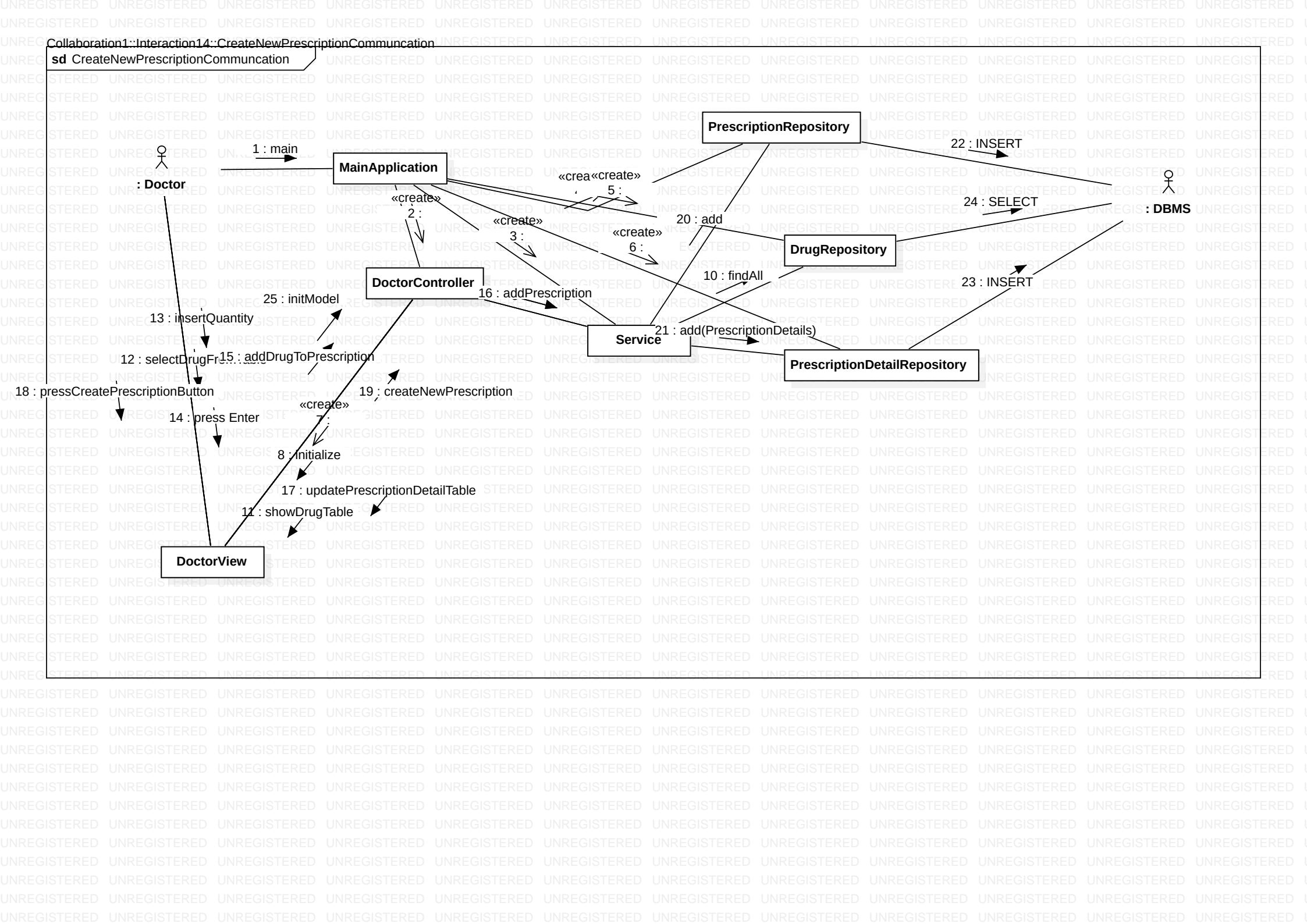
Collaboration1::Interaction12::deleteCommunicationDiagram



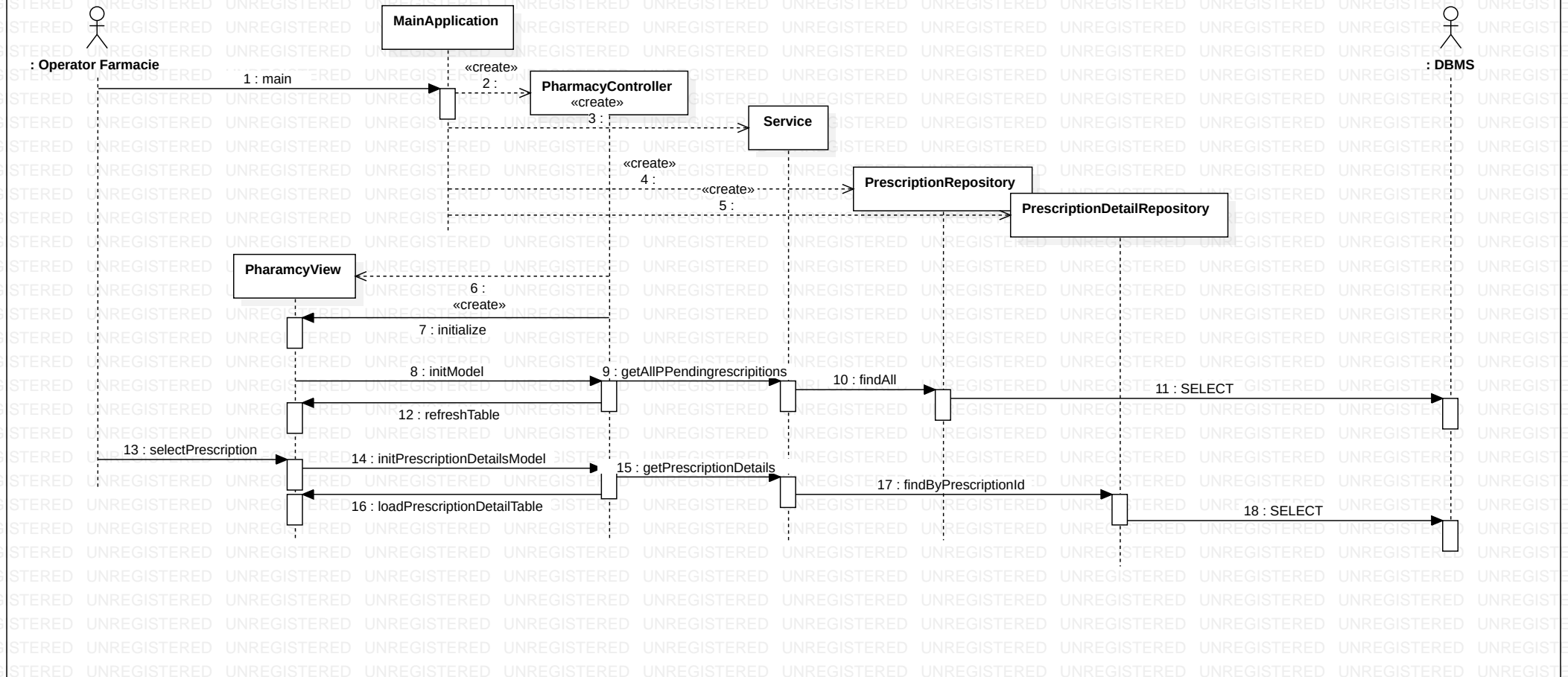
```
sequenceDiagram
    actor Doctor
    actor DBMS
    participant Main
    participant DoctorController
    participant Service
    participant DoctorView
    participant DrugRepository
    participant PrescriptionRepository
    participant PrescriptionDetailRepository

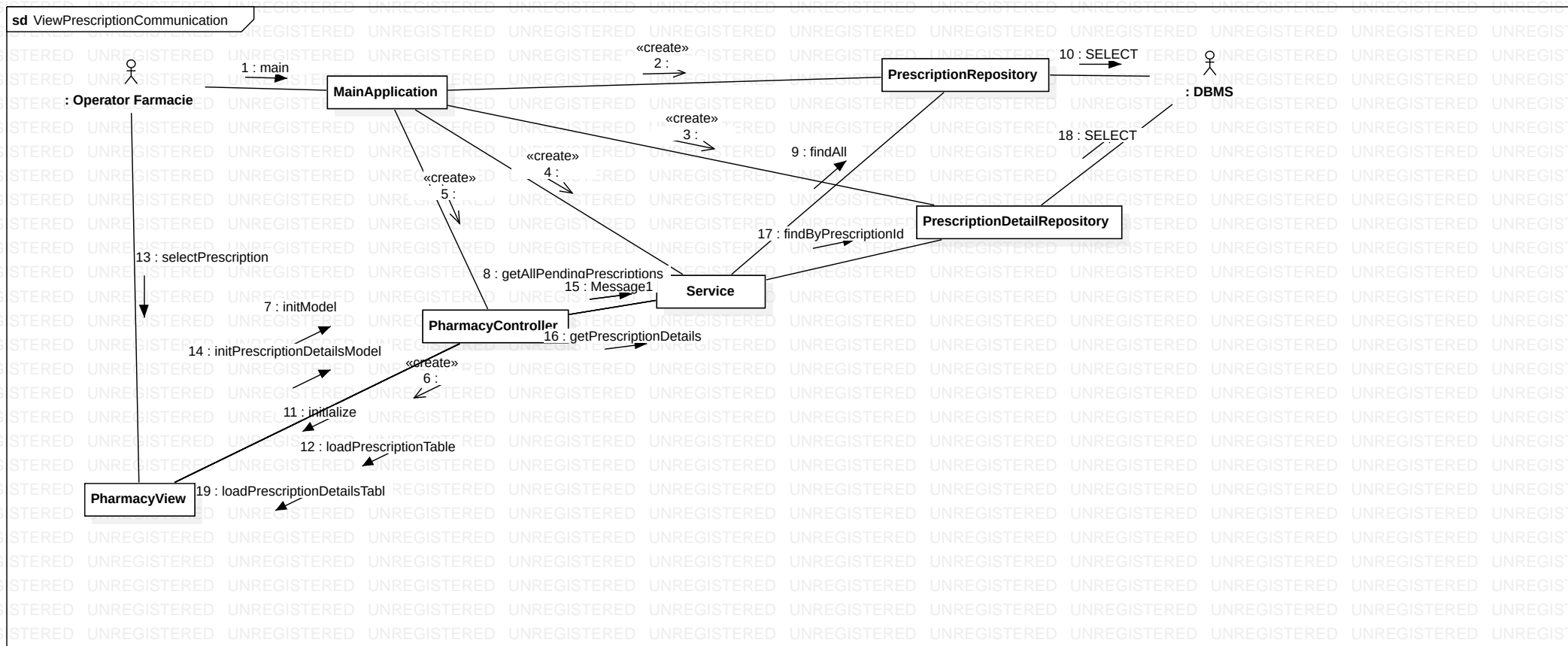
    Doctor->>Main: 1 : Main
    activate Main
    Main->>DoctorController: «create» 2 : 
    activate DoctorController
    DoctorController->>Service: «create» 3 : 
    activate Service
    Service->>DrugRepository: «create» 4 : 
    activate DrugRepository
    DrugRepository->>PrescriptionRepository: «create» 5 : 
    activate PrescriptionRepository
    PrescriptionRepository->>PrescriptionDetailRepository: «create» 6 : 
    activate PrescriptionDetailRepository
    PrescriptionDetailRepository->>DoctorView: «create» 7 : 
    deactivate PrescriptionDetailRepository
    deactivate PrescriptionRepository
    deactivate DrugRepository
    DoctorView->>Main: 8 : initialize  
9 : initModel
    activate Main
    Main->>Service: 10 : getAllDrugs
    activate Service
    Service->>DrugRepository: 11 : findAll
    activate DrugRepository
    DrugRepository->>DBMS: 12 : SELECT
    activate DBMS
    DBMS->>Main: 13 : showDrugTable
    deactivate DBMS
    deactivate DrugRepository
    deactivate Service
    Main->>DoctorView: 14 : selectDrugFromTable
    activate DoctorView
    DoctorView->>Main: 15 : EnterQuantity
    deactivate DoctorView
    DoctorView->>Main: 16 : PressEnter
    deactivate DoctorView
    Main->>Service: 17 : handleAddDrugToPrescription
    activate Service
    Service->>Main: 18 : updatePrescriptionTable
    deactivate Service
    Main->>Main: 19 : Press Create Prescription button
    activate Main
    Main->>Service: 20 : handleCreateNewPrescription
    activate Service
    Service->>Main: 21 : addPrescription(prescription,prescriptionDetails)
    deactivate Service
    Main->>DrugRepository: 22 : add(Prescription)
    activate DrugRepository
    DrugRepository->>PrescriptionRepository: 24 : add(PrescriptionDetails)
    activate PrescriptionRepository
    PrescriptionRepository->>DBMS: 23 : INSERT
    activate DBMS
    DBMS->>DBMS: 26 : INSERT
    deactivate DBMS
    PrescriptionRepository->>Service: 25 : notifyObservers
    deactivate PrescriptionRepository
    Service->>Main: 27 : update
    deactivate Service
    deactivate DrugRepository
    deactivate Main
    deactivate DoctorView
```



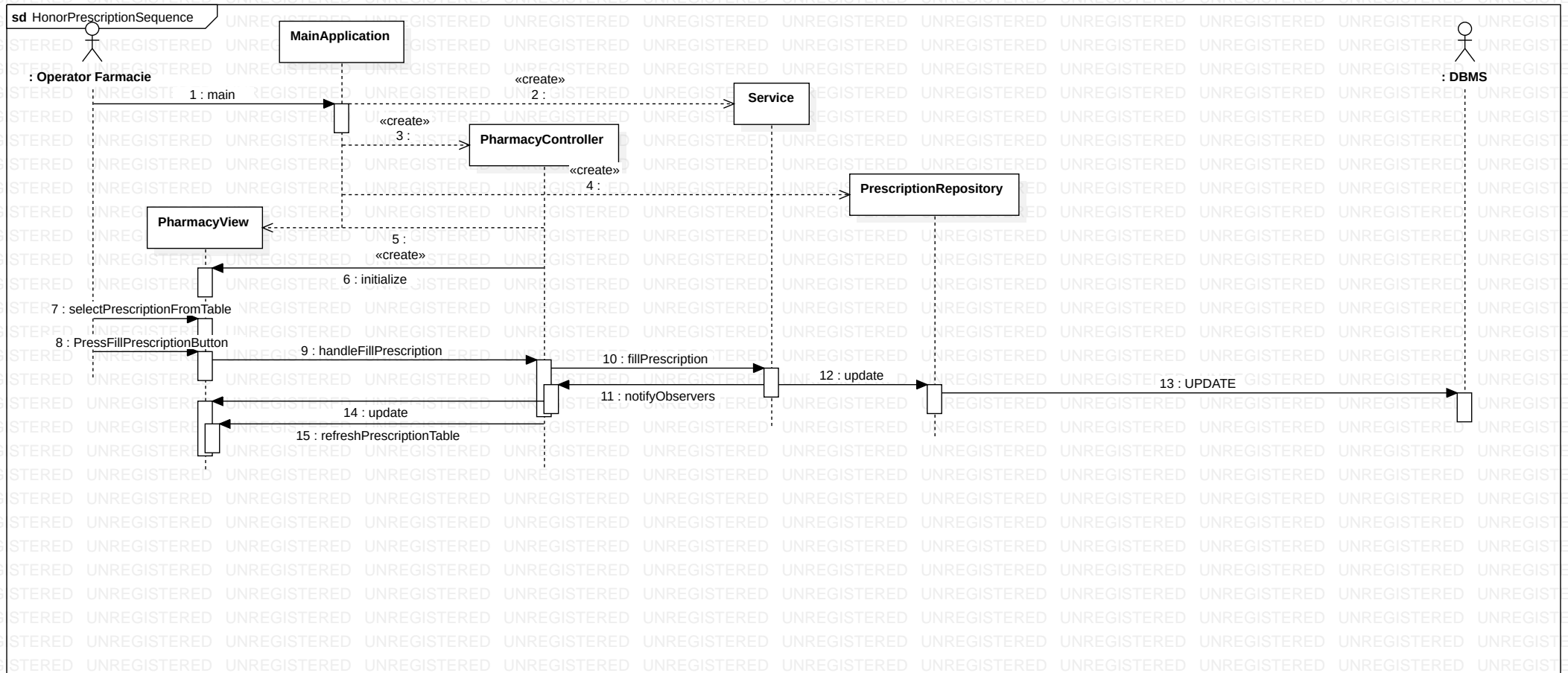


Collaboration1:Interaction15:ViewPrescriptionSequence
sd ViewPrescriptionSequence



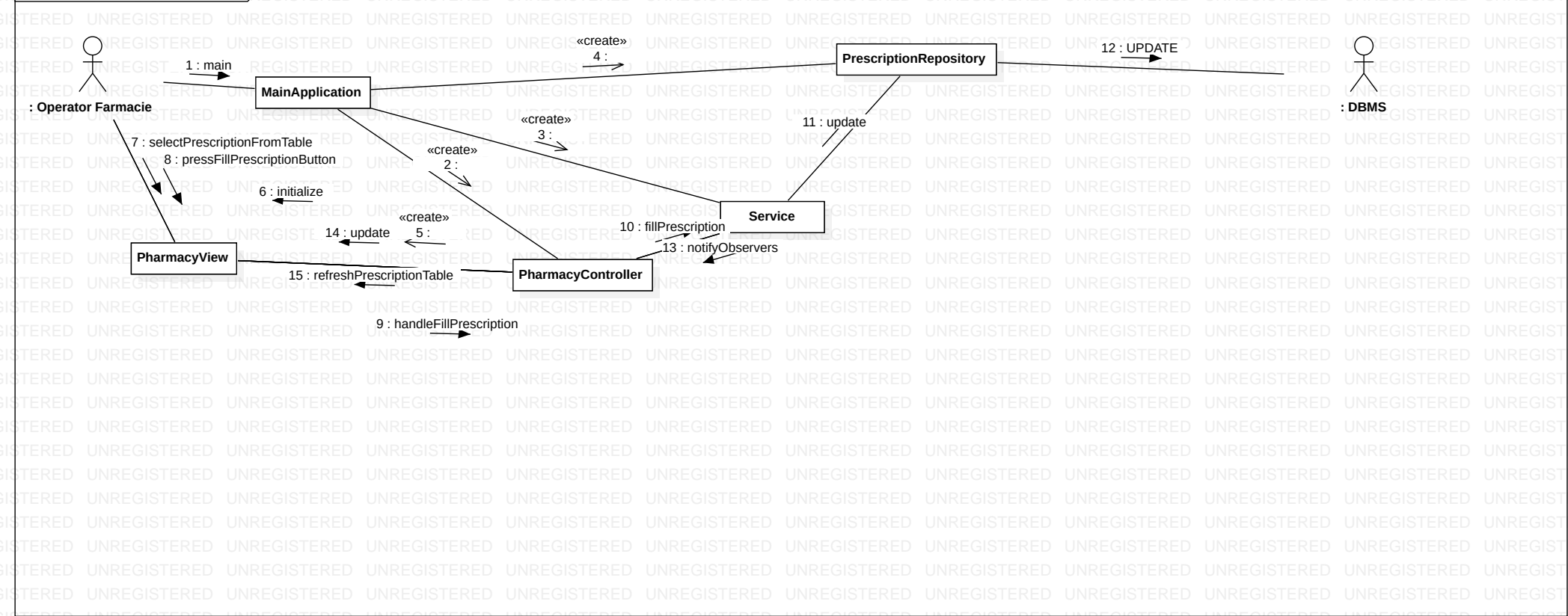


sd HonorPrescriptionSequence



sd HonorPrescriptionCommunication

sd HonorPrescriptionCommunication



Model2-ClassDiagram1

