



# ELECTRONIC MEDICAL RECORD SYSTEM

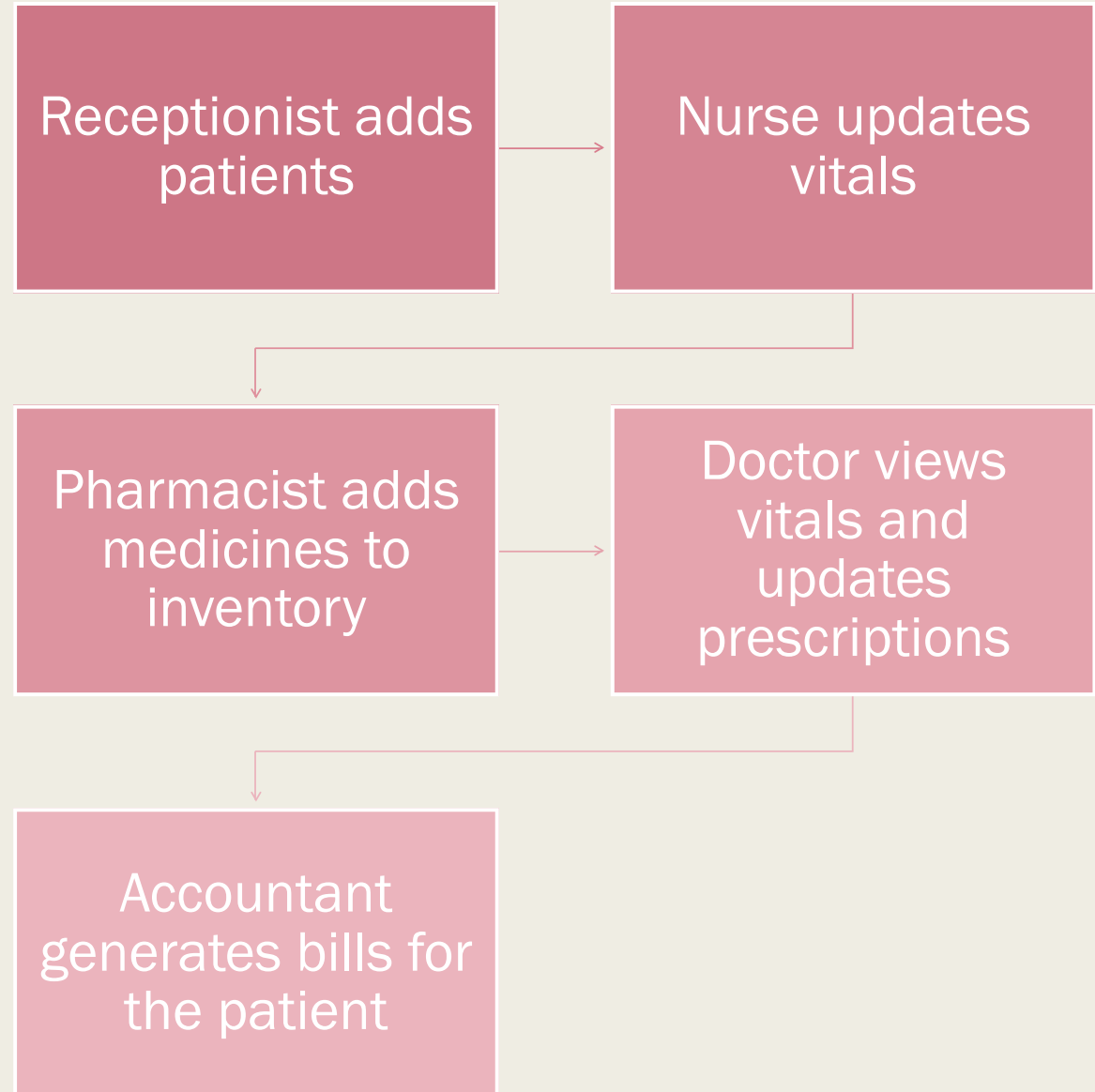
Poorwa Hirve

Selva Priya Selvarathinavel

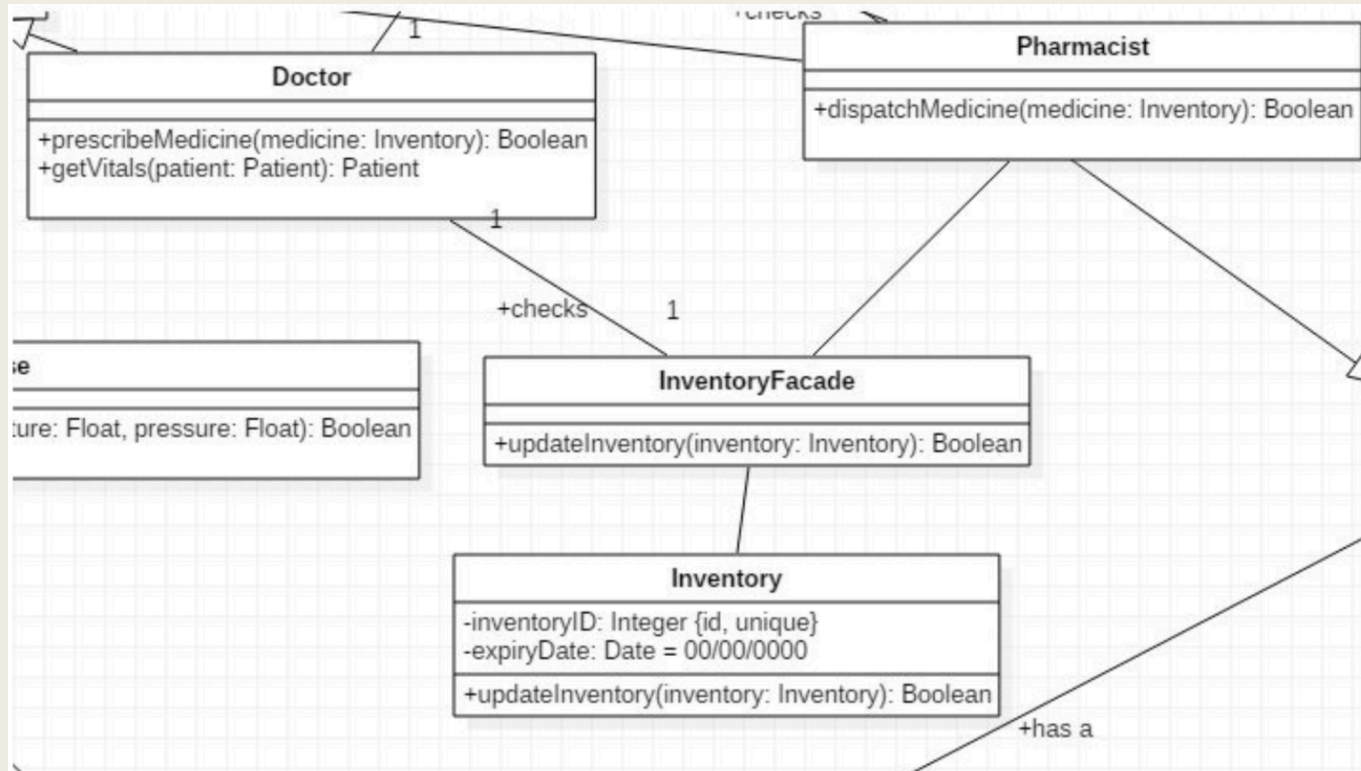
Selva Priyanka Selvarathinavel



# Use Cases



# Inventory Façade



- Design Pattern
- Open Closed
- Interface Segregation – SOLID Principle

# HibernateUtil Class

01

Holds all the  
Hibernate  
functionalities

02

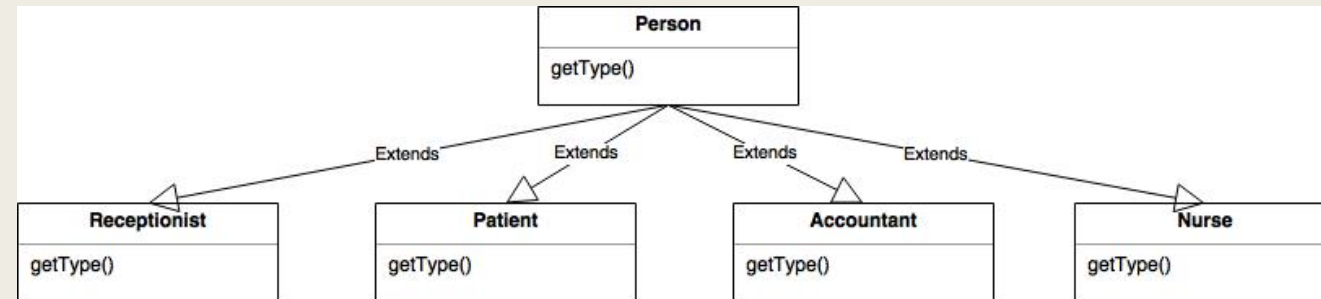
Encapsulation

03

Single  
responsibility  
– SOLID  
Principle

# Refactoring

```
if(checkLogin.getLogin_id().charAt(0) == 'P') {
    Patient patient = null;
    patient = (Patient)session.get(Patient.class, checkLogin.getLogin_id());
    if(patient != null) {
        model.addAttribute("name", patient.getName());
        return "result_login_patient";
    }
}
else if(checkLogin.getLogin_id().charAt(0) == 'D') {
    Staff staff = null;
    staff = (Staff)session.get(Staff.class, checkLogin.getLogin_id());
    model.addAttribute("name", staff.getName());
    return "doctorPage";
}
else if(checkLogin.getLogin_id().charAt(0) == 'H') {
    Staff staff = null;
    staff = (Staff)session.get(Staff.class, checkLogin.getLogin_id());
    model.addAttribute("name", staff.getName());
    return "pharmacistPage";
}
else if(checkLogin.getLogin_id().charAt(0) == 'R') {
    Staff staff = null;
    staff = (Staff)session.get(Staff.class, checkLogin.getLogin_id());
    model.addAttribute("name", staff.getName());
    return "receptionistPage";
}
else if(checkLogin.getLogin_id().charAt(0) == 'N') {
    Staff staff = null;
    staff = (Staff)session.get(Staff.class, checkLogin.getLogin_id());
    model.addAttribute("name", staff.getName());
    return "nursePage";
}
else if(checkLogin.getLogin_id().charAt(0) == 'A') {
    Staff staff = null;
    staff = (Staff)session.get(Staff.class, checkLogin.getLogin_id());
    model.addAttribute("name", staff.getName());
    return "accountantPage";
}
```



- Replacing conditionals with polymorphism

# Demo

[https://github.com/PriyankaSelvan/HospitalManagement/blob/master/41\\_EMRSystem\\_Video.mp4](https://github.com/PriyankaSelvan/HospitalManagement/blob/master/41_EMRSystem_Video.mp4)