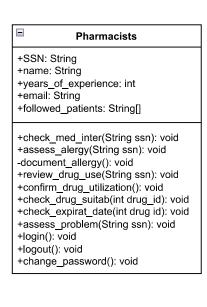
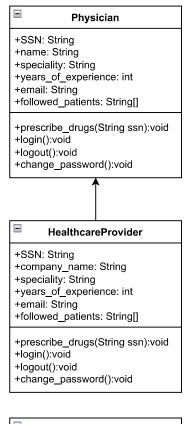
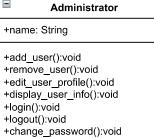
5/19/23, 7:23 AM classes.drawio

## For each array, a connection to the db is needed to fetch the needed data

## Patient +SSN: String +name: String +address: String +age: int +email: String +primary\_physician: String[] +medication\_history: String[] +prescribed\_drugs: String[] +currently\_used\_drugs: String[] +followed\_therapy: String[] +drug allergies: String[] +addition\_info: String +comment(String therapy):void +login():void +logout():void +change\_password():void







## # PharmaceuticalCompany +name: String +phone\_number: String +address: String +drugs: String[] +contracts: String[] +initiate\_contract():void +edit\_contract(int contract\_id): void -display\_fail\_mssg():void +add\_drug: void +delete\_drug: void +modify\_drug: void +login():void +logout():void +change\_password():void

Nurse	
rSSN: String rname: String rdate_of_birth: Date ryears_of_experience: int remail: String rfollowed_patients: String[]	+n +d +y +e
-prescribe_drugs(String ssn):void -login():void -logout():void -change_password():void -label_doc_drug_use():void -assess_problem(String ssn):void -check_drug_suitability:(String ssn): void update_physician(String problem): void	+lc +lc +la +la +c -up

Protected classes (Implement inheritance to harness code reuse:

- 1. UpdatePhysician: Pharmacist, Nurse
- 2. CheckDrugSuitability: Pharmacist, Nurse
- 3. AssessProblem: Pharmacist, Nurse
- 4. CheckExpirationDate: Pharmacist, Nurse
- 5. Login: All users
- 6. Prescribe drug: Physician, Nurse

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