# CLASS DIAGRAMS

| User |
| --- |
| -UserInfo info |
| -User next |
| -LoginInfo login |
| +getNext(): User |

| UserInfo |
| --- |
| -String firstName |
| -String lastName |
| +getName(): String |

| UserList |
| --- |
| -User head |
| -User LoggedIn |
| +addUser(User): bool |
| +tryLogin(LoginInfo): bool |
| +deleteUser(LoginInfo): bool |
| +populateUsers(): void |

| LoginInfo |
| --- |
| -String userName |
| -String password |
| +LoginInfo(String, String): void |
| +compareTo(LoginInfo): bool |

| Pharmacy |
| --- |
| -IP ServerAddress |
| -String location |
| -bool preferredDigital |
| +canHandle(Prescription): bool |

| Prescription |
| --- |
| -UserInfo patient |
| -Pharmacy destination |
| -String notes |
| +send(): bool |
| +getPrescription(): |
| +isDigital(): bool |

| digital |
| --- |
| -String Prescription |
| -Signature doctor |
| +verify(Signature): bool |
| +getPrescription(): digital |
| +isDigital(): True |

| physical |
| --- |
| -image photo |
| +getPrescription(): physical |
| +isDigital(): False |

| IP |
| --- |
| -String address |
| -String port |
| +getFullAddress(): String |
| +setAddress(String): void |
| +setPort(String): void |

| Database |
| --- |
| |
| +search(String): void |

# SEQUENCE DIAGRAM

| Main | UserList | Pharmacy | Prescription | Database |
|------|----------|----------|--------------|----------|

- populateUsers (Main → UserList)
- tryLogin (Main → UserList)
- prescription (Main → Prescription)
- send (Prescription → Main)
- searchFor (Main → Database)
- results (Database → Main)
- canHandle (Pharmacy → Prescription)