**CLASS DIAGRAMS**

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| --- |
| Store |
| Location: Location  Hours: Hours |
| setLocation(Location): void  getLocation(): Location  setHours(Hours): void  getHours(): Hours |

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| --- |
| Location |
|  |
| toString(): string |

|  |
| --- |
| Hours |
|  |
| toString(): String |

|  |
| --- |
| Patient |
| PatientNumber: CustNumber  PatientInfo: PatientInfo |
| setPatientNumber(CustNumber): void  getPaitentNumber(): CustNumber  setPaitentInfo(PaitentInfo): void  getPaitentInfo(): PaitentInfo |

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| --- |
| CustNumber |
|  |
| toString(): String |

|  |
| --- |
| PatientInfo |
| PhoneNumber: phoneNumber  Birthday: birthday  Address: address  FirstName: FName  LastName: LName |
| setPhoneNumber(phoneNumber): void  getPhoneNumber(): phoneNumber  setBirthday(birthday): void  getBirthday(): birthday  setAddress(address): void  getAdress(): address  setFName(FName): void  getFName(): FName  setLName(LName): void  getLName(): LName |

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| --- |
| phoneNumber |
|  |
| toString(): String |

|  |
| --- |
| birthday |
|  |
| toString(): String |

|  |
| --- |
| address |
|  |
| toString(): String |

|  |
| --- |
| FName |
|  |
| toString(): String |

|  |
| --- |
| LName |
|  |
| toString(): String |

|  |
| --- |
| Medication |
| Manufacturer: Manufacturer  Side Effects: SideEffects  Recommended Dosage: RDosage |
| setManufacturer(Manufacturer): void  getManufacturer(): Manufacturer  setSideEffects(SideEffects): void  getSideEffects(): SideEffects  setReccommendedDosage(RDosage): void  getReccommendedDosage(): RDosage |

|  |
| --- |
| Manufacturer |
|  |
| toString(): String |

|  |
| --- |
| SideEffects |
|  |
| toString(): String |

|  |
| --- |
| RDosage |
|  |
| toString(): String |

|  |
| --- |
| Database |
| Drugs: List  Patients: List  Stores: List |
| addMedication(Manufacturer, SideEffects, RDosage): void  getMedication(): Medication  searchMedication(string): List  addPatients (custNumber, PaitentInfo): void  getPatients (): Paitent  searchPatients (string): List  addStores(Location, Hours): void  getStores(): Store  searchStores(string): List |

**SEQUENCE DIAGRAM**

Store

Patient

PatientInfo

Medication

Database

Add/get/searchmedication

Set/getPatientInfo

add/get/searchStore

Add/get/searchPatient