|  |  |
| --- | --- |
| <Abstract>  Person | |
| lastName  firstName  birthday |  |

|  |  |
| --- | --- |
| Person  Patient | |
| healthcard  arriveTime  vitalSigns  prescriptions  urgentPoint  doctorTime  seenDoctorBool  improvement | Nurse  Vital  Symptom  Urgency  Prescription |

|  |  |
| --- | --- |
| <Abstract>  User | |
| username  password  filename  patientMap  loadData  saveData  allPatientsToArray  addPatient | Patient |

|  |  |
| --- | --- |
| User  Nurse | |
| updateVital  getUrgentPatientList | Patient  NurseManager |

|  |  |
| --- | --- |
| User  Physician | |
| updatePerscription | Patient  PhysicianManager |

|  |  |
| --- | --- |
| Vital | |
| temperature  systolicBloodPressure  diastolicBloodPressure  heartRate  recordTime |  |

|  |  |
| --- | --- |
| Urgency | |
| catagoryUrgency  calculateUrgencyPoint | Patient  Vital |

|  |  |
| --- | --- |
| Prescription | |
| medication  instruction | Patient |

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| --- | --- |
| <Interface>  DataManager | |
| fileExists | Login |

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| --- | --- |
| < Abstract > DataManager  Login | |
| Username  Password  Createlogin  fileExists  isChoice  loadData  saveData | DataManager  NurseManager  PhysicianManager |

|  |  |
| --- | --- |
| login  NurseManager | |
| Filename  createNurse  isValidLogin | Nurse |

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| --- | --- |
| login  PhysicianManage | |
| Filename  createPhyscian  isValidLogin | Physician |

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| --- | --- |
| Activity  MainActivity | |
| login  RegisterNurse  RegisterDoctor | login  RegisterNurse  RegisterDoctor |

|  |  |
| --- | --- |
| Activity  Login | |
| File  registerLogin  saveTofile | AllPatients |

|  |  |
| --- | --- |
| Activity  RegisterDoctor | |
| registerPhsician  saveToFile | Physician  showPatient |

|  |  |
| --- | --- |
| Activity  RegisterNurse | |
| registerNurse  saveToFile | Nurse  showPatient |

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| --- | --- |
| Activity  AllPatients | |
| Filename  User  searchPatient  createPatient  getUrgencyList  LoadPatient | User  showPatient  CreatePatient  UrgencyListActivity |

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| --- | --- |
| Activity  CreatePatients | |
| File  Nurse  createNewPatient | Nurse  UpdateVitals |

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| --- | --- |
| Activity  UpdateVitals | |
| UpdateVital  saveToFile | Nurse  showPatient |

|  |  |
| --- | --- |
| Activity  DoctorTime | |
| UpdateDoctorTime  saveToFile | Nurse  showPatient |

|  |  |
| --- | --- |
| Activity  ShowPatient | |
| showPatientRecord  UpdateVitals  UpdatePrescription  UpdateDoctortime | User  UpdateVitals  UpdatePerscription  DoctorTime |

|  |  |
| --- | --- |
| Activity  UpdatePerscription | |
| UpdatePrescription  saveToFile | Physician  showPatient |

|  |  |
| --- | --- |
| Activity  UpdateVitals | |
| UpdateVital  saveToFile | Nurse  showPatient |

|  |  |
| --- | --- |
| Activity  UrgencyListActivity | |
| getUrgencylist  searchPatient | Nurse  showPatient |