|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | |
|  | Staff |  | |
|  |  | Nurse, Doctor | |
| emergencyRoom | | | Patient |
|  | | | EmergencyRoom |
| logIn | | | Report |
| loadEmergencyRoom | | |  |
| saveEmergencyRoom | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Staff | |
|  | Nurse |  | |
|  |  |  | |
| recordPatient | | | Patient |
| recordVitals | | | EmergencyRoom |
| recordSymptoms | | | Report |
| recordDoctorVisit | | |  |
| lookupPatient | | |  |
| accessDoctorQueueByUrgency | | |  |
| accessDoctorQueueByArrival | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Staff | |
|  | Doctor |  | |
|  |  |  | |
| recordPrescription | | | Patient |
|  | | | EmergencyRoom |
|  | | | Report |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | |
|  | EmergencyRoom |  | |
|  |  |  | |
| waitingPatientsByHCN | | | Patient |
| doctorQueueByArrival | | | Nurse |
| patientsSeenByDoctor | | | Doctor |
|  | | | Report |
| loadData  generateDoctorQueueByUrgency | | |  |
| getDoctorQueueByArrival / getArrivalTimeList | | |  |
| addPatient | | |  |
| lookupPatients  saveData | | |  |
| movePatientToSeenByDoctor | | |  |
| addPatientToWaiting | | |  |
| getPatientsSeenByDoctor | | |  |
| getWaitingPatientsByHCN | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | |
|  | Patient |  | |
|  |  |  | |
| name | | | EmergencyRoom |
| dateOfBirth | | | Nurse |
| healthCardNum | | | Doctor |
| reports | | | Report |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
| getName | | |  |
| getDateOfBirth | | |  |
| getHealthCardNumber | | |  |
| getCurrentReport | | |  |
| getReports | | |  |
| toString | | |  |
| getAge | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
|  | Report |  | |
|  |  |  | |
| vitals | | | Patient |
| symptoms | | | Vitals |
| prescriptions | | |  |
| arrivalTime  doctorDate  patientAge | | |  |
|  | | |  |
| getVitals | | |  |
| getLastVitals | | |  |
| getTimeTaken | | |  |
| getSymptoms | | |  |
| getLastSymptoms | | |  |
| computeUrgencyScore | | |  |
| toString | | |  |
| setDoctorDate | | |  |
| getDoctorDate | | |  |
| addVitals | | |  |
| addSymptoms | | |  |
| addPrescription | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
|  | Vitals |  | |
|  |  |  | |
| timeTaken | | | Report |
| temperature | | |  |
| systolicBP | | |  |
| diastolicBP | | |  |
| heartRate | | |  |
|  | | |  |
| getTimeTaken | | |  |
| getTemperature | | |  |
| getSystolicBP | | |  |
| getDiastolicBP | | |  |
| getHeartRate | | |  |
| computePartialUrgencyScore | | |  |
| toString | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | LoginActivity |  | |
|  |  |  | |
| registeredNurses | | |  |
| registeredDoctors | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| saveRegisteredNurse | | |  |
| saveRegisteredDoctor | | |  |
| loginNurse | | |  |
| loginDoctor | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | HomepageActivity |  | |
|  |  |  | |
| nurse | | |  |
| doctor | | |  |
| out | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| onActivityResult | | |  |
| recordPatient | | |  |
| accessPatient | | |  |
| saveAllData | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | FindPatientRecordActivity |  | |
|  |  |  | |
| nurse | | |  |
| doctor | | |  |
| patient | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| onActivityResult | | |  |
| onBackPressed | | |  |
| findPatient | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | PatientDataActivity |  | |
|  |  |  | |
| patient | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | PatientFeaturesActivity |  | |
|  |  |  | |
| features | | |  |
| patient | | |  |
| nurse | | |  |
| doctor | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| onActivityResult | | |  |
| onBackPressed | | |  |
| recordData | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | RecordPatientActivity |  | |
|  |  |  | |
| nurse | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| onBackPressed | | |  |
| recordPatientToWait | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | Activity |
|  | RecordVitalsActivity |  | |
|  |  |  | |
| nurse | | |  |
| patient | | |  |
|  | | |  |
| onCreate | | |  |
| onCreateOptionsMenu | | |  |
| onBackPressed | | |  |
| recordVitals | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |
|  | | |  |