

Patient

```
- name: string
- ksulID: int
- gender: string
- age: int
- race: string
- patientType: string

+ getName(): string
+ setName(Name: string): void
+ getKSUID(): int
+ setKSUID(KSUID: int): void
+ getGender(): string
+ setGender(Gender: string): void
+ getAge(): int
+ setAge(Age: int): void
+ getRace(): string
+ setRace(Race: string): void
+ getPatientType(): string
+ setPatientType(patienttype: string): void
```

Personnel

```
- name : string
- employeeID: int
- workingTimes: AppointmentSlot[0..*]
- type: string

+ getName(): string
+ setName(Name: string): void
+ getEmployeeid: int
+ setEmployeeid(EmployeeID: int): void
+ getType(): string
+ setType(Type: string): void
+ getWorkingTimes(): AppointmentSlot[0..*]
+ addWorkingTime(WorkTime: AppointmentSlot): void
+ removeWorkingTime(WorkTime: AppointmentSlot): void
```

AppointmentSlot

```
- startTime: DateTime
- endTime: DateTime

+ getStartTime(): DateTime
+ setStartTime(StartTime: DateTime): void
+ getEndTime(): DateTime
+ setEndTime(EndTime: DateTime): void
```

Schedule

```
- date: Date
- appointments: Appointment [0..*]
- availableSlots: AppointmentSlot [0..*]

+ getDate(): Date
+ setDate(Date: Date): void
+ getAppointments: Appointment [0..*]
+ addAppointment(Appointment: Appointment): void
+ removeAppointment(Appointment: Appointment): void
+ getAvailableSlots: AppointmentSlot [0..*]
+ addAvailableSlot(slot: AppointmentSlot): void
+ removeAvailableSlot(slot: AppointmentSlot): void
```

PersonnelSchedule

```
- date: Date
- appointments: Appointment [0..*]
- availableSlots: AppointmentSlot [0..*]
- personnel: Personnel

+ getDate(): Date
+ setDate(Date: Date): void
+ getAppointments: Appointment [0..*]
+ addAppointment(Appointment: Appointment): void
+ removeAppointment(Appointment: Appointment): void
+ getAvailableSlots: AppointmentSlot [0..*]
+ addAvailableSlot(slot: AppointmentSlot): void
+ removeAvailableSlot(slot: AppointmentSlot): void
+ getPersonnel(): Personnel
+ setPersonnel(personnel: Personnel): void
```

Appointment

- patient: Patient
- type: string
- personnel: Personnel
- dateTime: AppointmentSlot

- + getPatient(): Patient
- + setPatient(patient: Patient): void
- + getType(): string
- + setType(Type: string): void
- + getPersonnel(): Personnel
- + setPersonnel(personnel: Personnel): void
- + getDateTime(): DateTime
- + setDateTime(datetime: DateTime): void

Test

- type: string
- timePerformed: DateTime
- patient: Patient

- + getType(): string
- + setType(type: string): void
- + getTimePerformed(): DateTime
- + setTimePerformed(Time: DateTime): void
- + getPatient(): Patient
- + setPatient(patient: Patient): void

Visit

- patient: Patient
- type: string
- personnel: Personnel
- dateTime: AppointmentSlot
- tests: Test [0..*]
- testResults: TestResult [0..*]

- + getPatient(): Patient
- + setPatient(patient: Patient): void
- + getType(): string
- + setType(Type: string): void
- + getPersonnel(): Personnel
- + setPersonnel(personnel: Personnel): void
- + getDateTime(): DateTime
- + setDateTime(datetime: DateTime): void
- + getTests(): Tests [0..*]
- + addTest(test: Test): void
- + removeTest(test: Test): void
- + getTestResults(): TestResults [0..*]
- + addTestResult(testresult: TestResult): void
- + removeTestResult(testresult: TestResult): void

TestResult

- test: Test
- type: string
- timePerformed: DateTime
- timeResultsReceveived: DateTime
- patient: Patient
- result: string

- + getTest(): Test
- + setTest(test: Test) :void
- + getType(): string
- + setType(type: string): void
- + getTimePerformed(): DateTime
- + setTimePerformed(Time: DateTime): void
- + getTimeReceived(): DateTime
- + setTimeReceivev(time: DateTime): void
- + getPatient(): Patient
- + setPatient(patient: Patient): void
- + getResult(): string
- + setResult(result: string): void

Invoice

- visit: Visit
 - cost: int
 - dateCreated: DateTime
 - paid: bool
-
- + getVisit(): Visit
 - + setVisit(visit: Visit): void
 - + getCost(): int
 - + setCost(cost: int): void
 - + getDateCreated(): DateTime
 - + setDateCreated(dateCreated: DateTime): void
 - + isPaid(): bool
 - + pay(payment: payment): void

Report

- dateGenerated: DateTime
 - reportData: string
-
- + getDateGenerated(): DateTime
 - + setDateGenerated(date: DateTime): void
 - + getReportData(): string
 - + setReportData(data: string): void

Payment

- dateReceived: DateTime
 - type: string
 - amount: int
 - invoice: Invoice
-
- + getType: string
 - + setType(type: string): void
 - + getAmount(): int
 - + setAmount(amount: int): void
 - + getDateReceived(): DateTime
 - + setDateReceived(datereceived: DateTime): void
 - + getInvoice(): Invoice
 - + setInvoice(invoice: Invoice): void