

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

AppointmentSlot

- startTime: DateTime
- endTime: DateTime

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

PersonnelSchedule

- personnel: Personnel

- + getPersonnel(): Personnel
- + setPersonnel(personnel: Personnel): void

Report

- dateGenerated: DateTime
- reportData: string

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

Visit

- tests: Test [0..*]
- testResults: TestResult [0..*]

- + getDateTime(): DateTime
- + getTests(): Tests [0..*]
- + addTest(test: Test): void
- + removeTest(test: Test): void
- + getTestResults(): TestResults [0..*]
- + addTestResult(testresult: TestResult): void
- + removeTestResult(testresult: TestResult): 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
```

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
```

Patient

```
- name: string
- ksulID: int
- gender: string
- dob: Date
- race: string
- patientType: string

+ getName(): string
+ setName(Name: string): void
+ getKSUID(): int
+ setKSUID(KSUID: int): void
+ getGender(): string
+ setGender(Gender: string): void
+ getDob(): Date
+ setDob(dob: Date): void
+ getRace(): string
+ setRace(Race: string): void
+ getPatientType(): string
+ setPatientType(patienttype: string): void
```

TestResult

```
- test: Test
- timeResultsReceveived: DateTime
- result: string

+ getTest(): Test
+ setTest(test: Test) :void
+ getTimeReceived(): DateTime
+ setTimeReceivev(time: DateTime): void
+ getResult(): string
+ setResult(result: string): 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
```