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

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

An appointment makes up the schedule

A slot belongs to an appointment

AppointmentSlot

- startTime: DateTime
- endTime: DateTime

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

Slots make up the schedule

Appointment has a personnel

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

Inherts from schedule.

PersonnelSchedule

- personnel: Personnel

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

A personnel has their own schedule

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

Patient

- name: string
- ksuID: 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

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

Patient is part
of an appointment

Visit is the actual happening
of an appointment

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

A test belongs to a patient/
is from a patient

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

TestResult inherits
from Test

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

A visit has a payment and is
marked on the invoice

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 resolves
invoice cost

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

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

- personnel: Personnel

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

Report of daily schedule

Report of daily schedule for each personnel

Report

- dateGenerated: DateTime
- reportData: string

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

Report of visits that happened

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

Report of money made/invoices

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