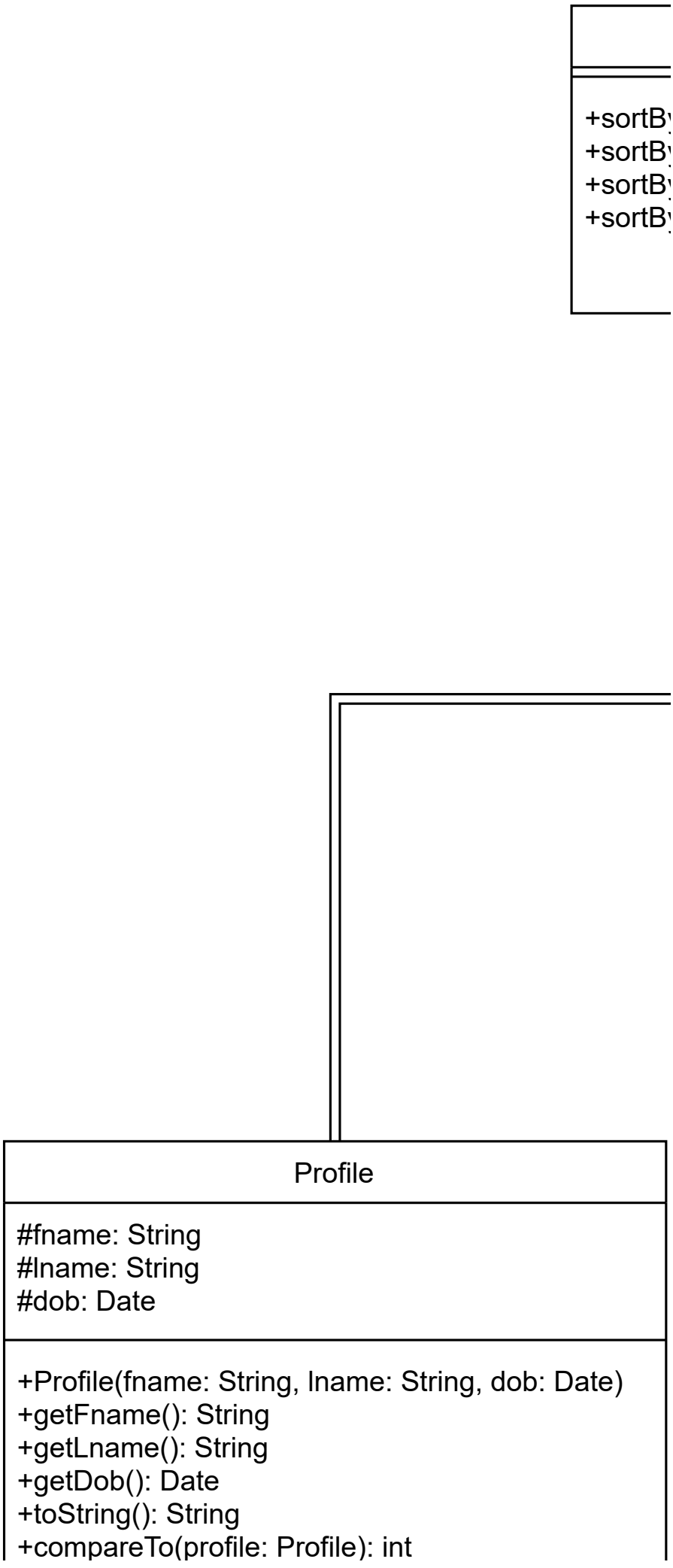
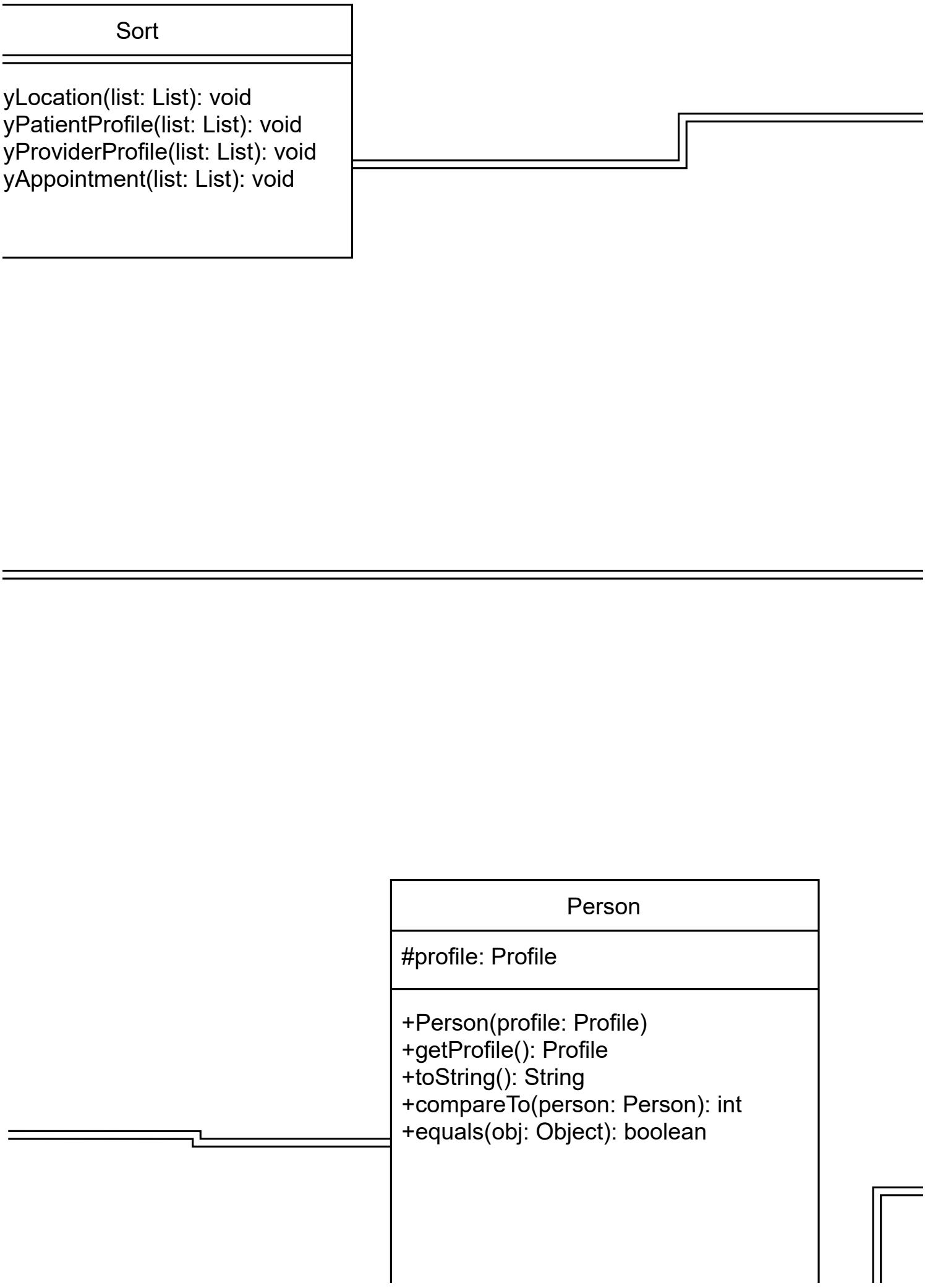
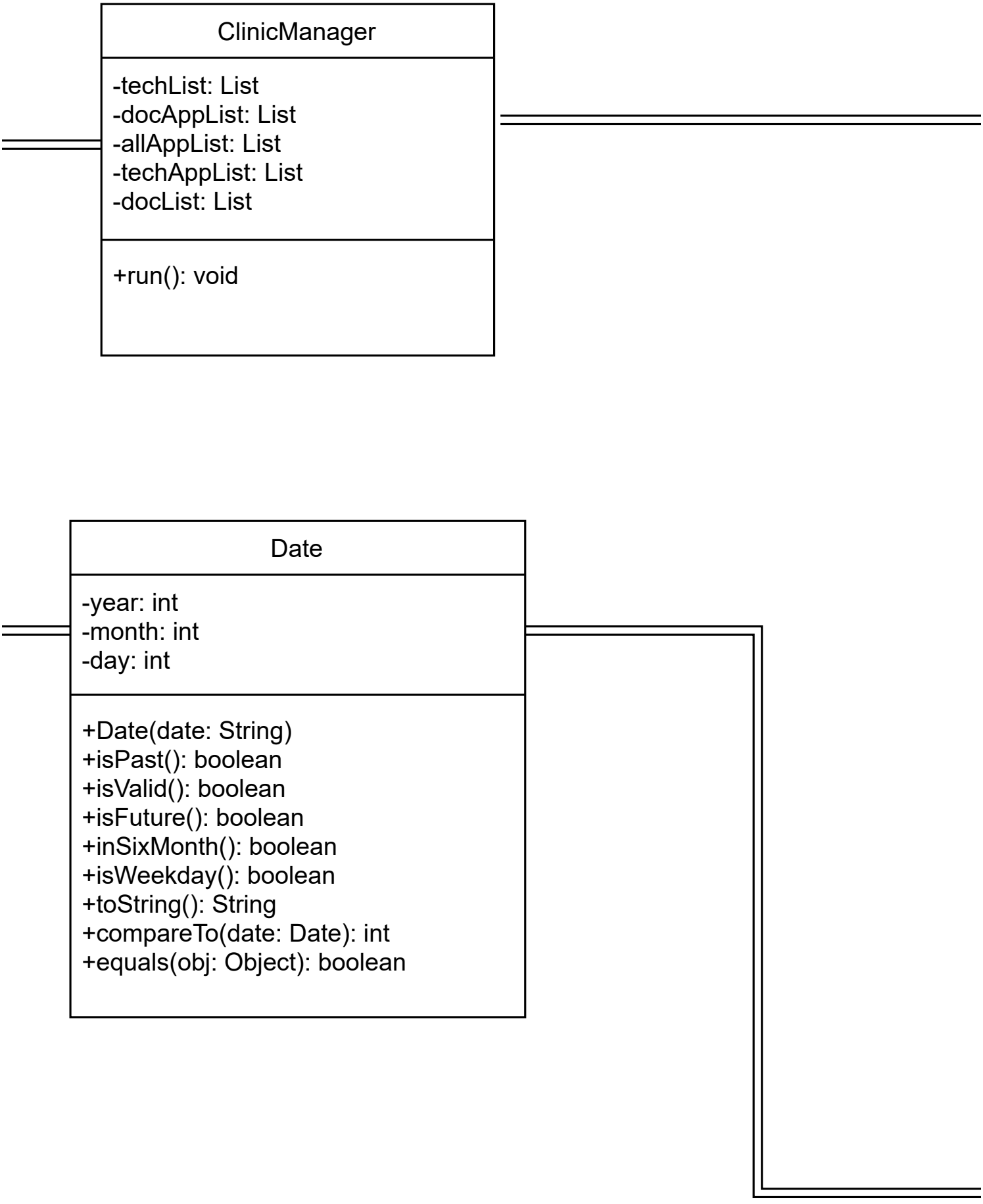
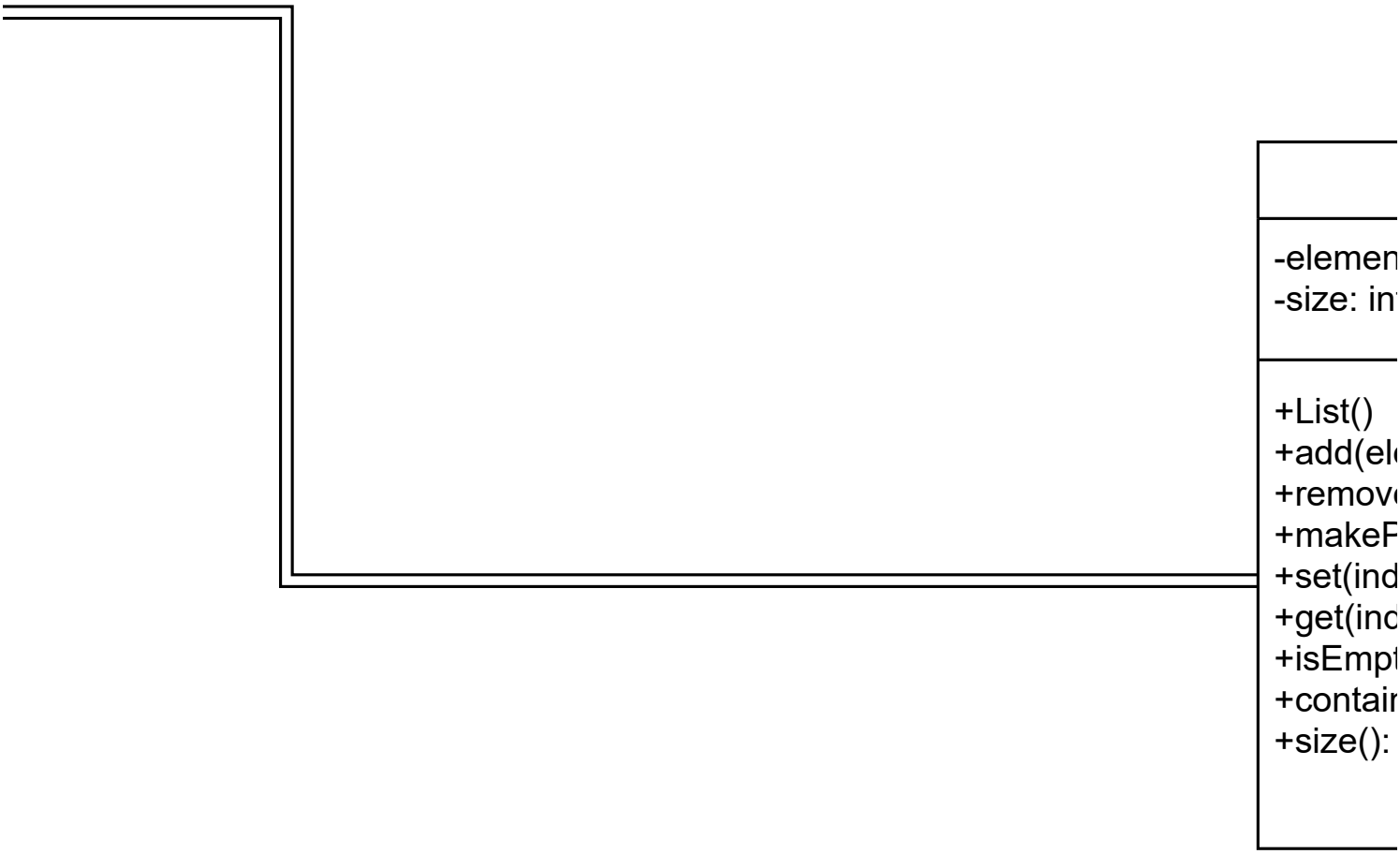
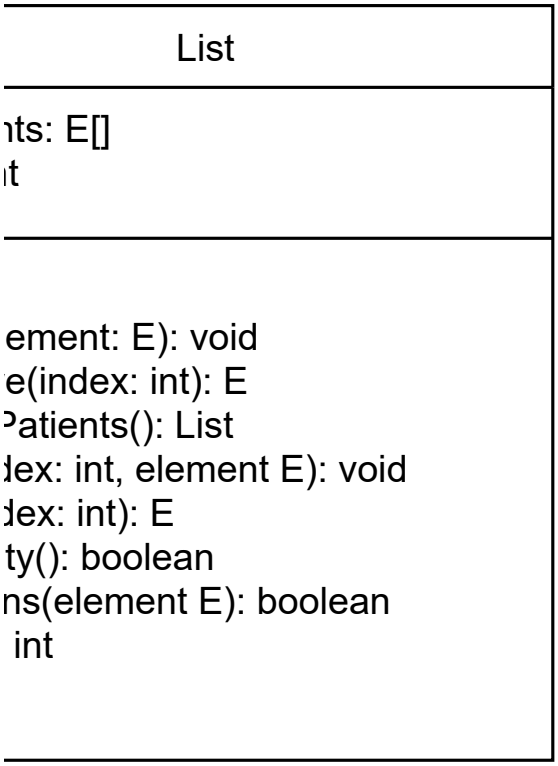

+sortB
+sortB
+sortB
+sortB
Profile
#fname: String
#lname: String
#dob: Date
+Profile(fname: String, lname: String, dob: Date)
+getFname(): String
+getLname(): String
+getDob(): Date
+toString(): String
+compareTo(profile: Profile): int

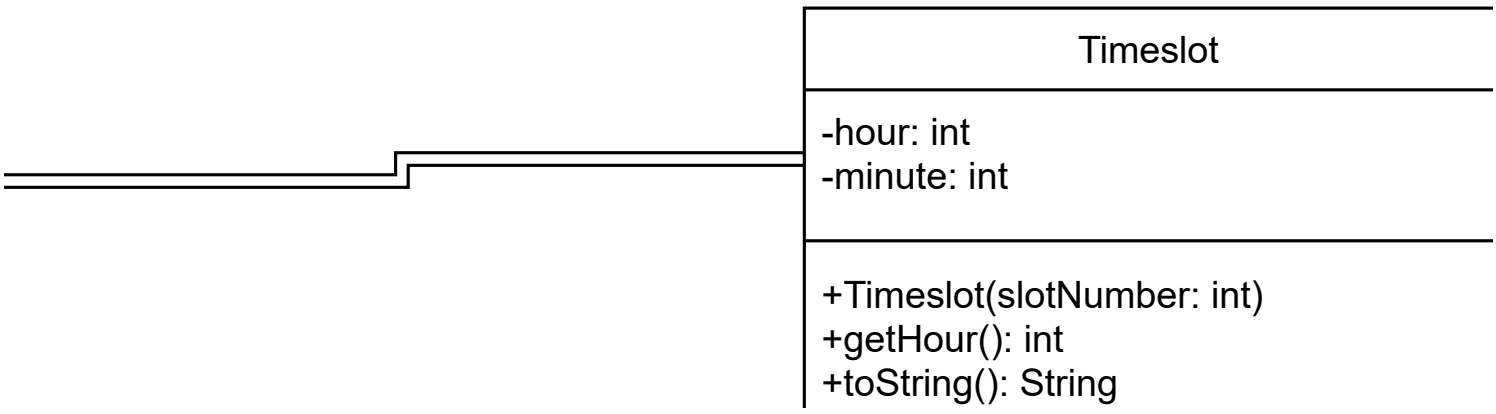

Sort
yLocation(list: List): void
yPatientProfile(list: List): void
yProviderProfile(list: List): void
yAppointment(list: List): void
Person
#profile: Profile
+Person(profile: Profile)
+getProfile(): Profile
+toString(): String
+compareTo(person: Person): int
+equals(obj: Object): boolean

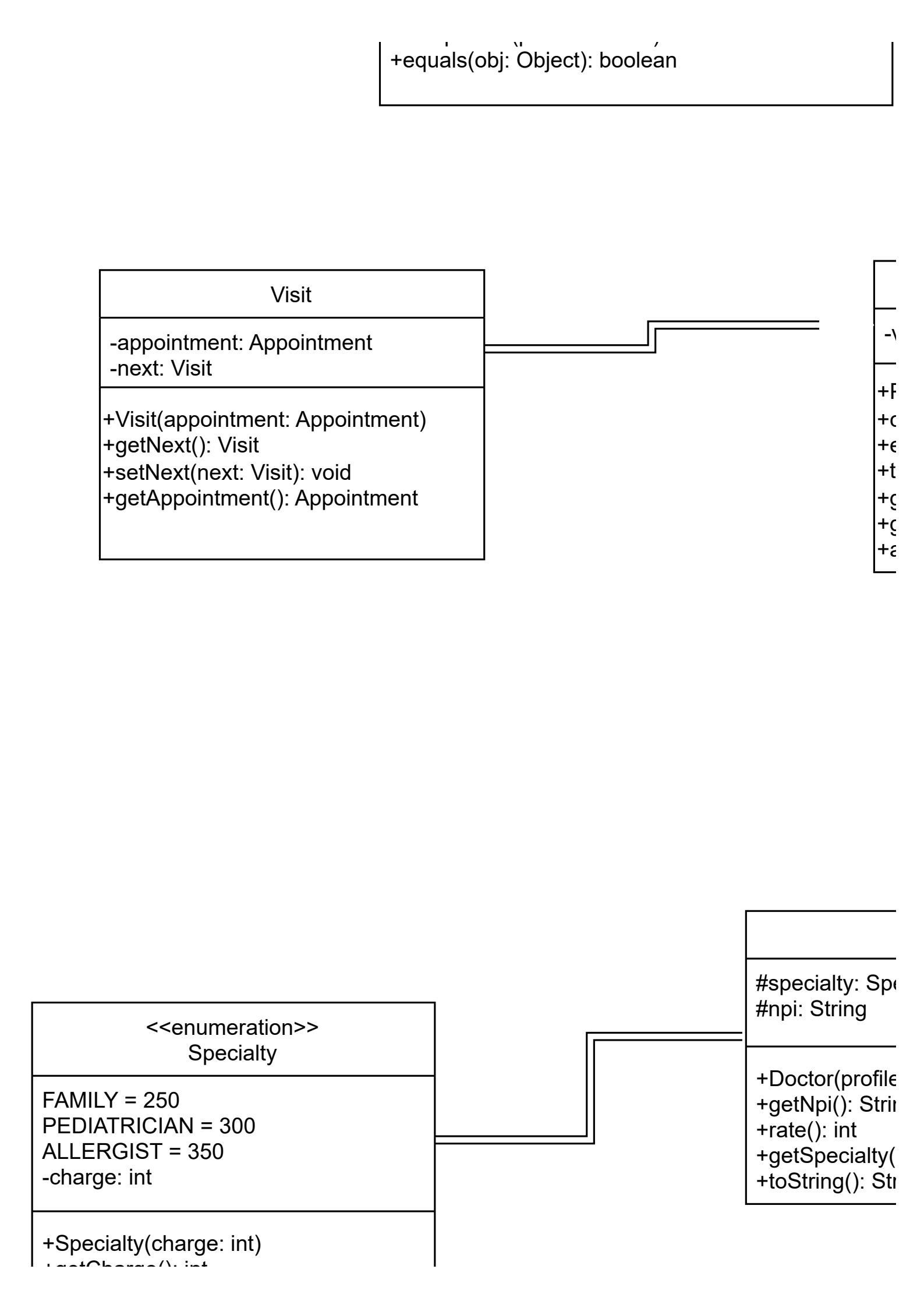

ClinicManager
-techList: List
-docAppList: List
-allAppList: List
-techAppList: List
-docList: List
+run(): void
Date
-year: int
-month: int
-day: int
+Date(date: String)
+isPast(): boolean
+isValid(): boolean
+isFuture(): boolean
+inSixMonth(): boolean
+isWeekday(): boolean
+toString(): String
+compareTo(date: Date): int
+equals(obj: Object): boolean

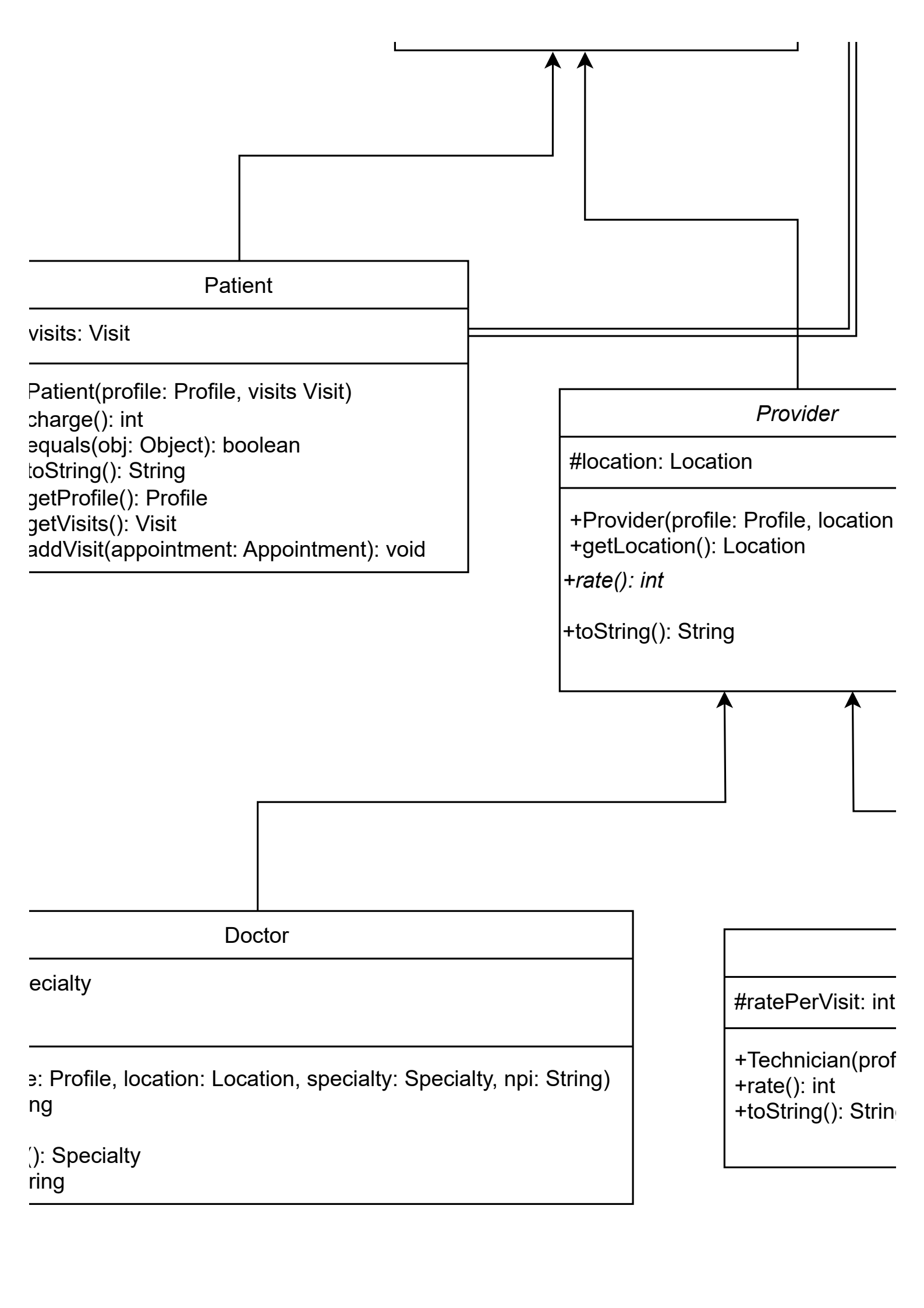


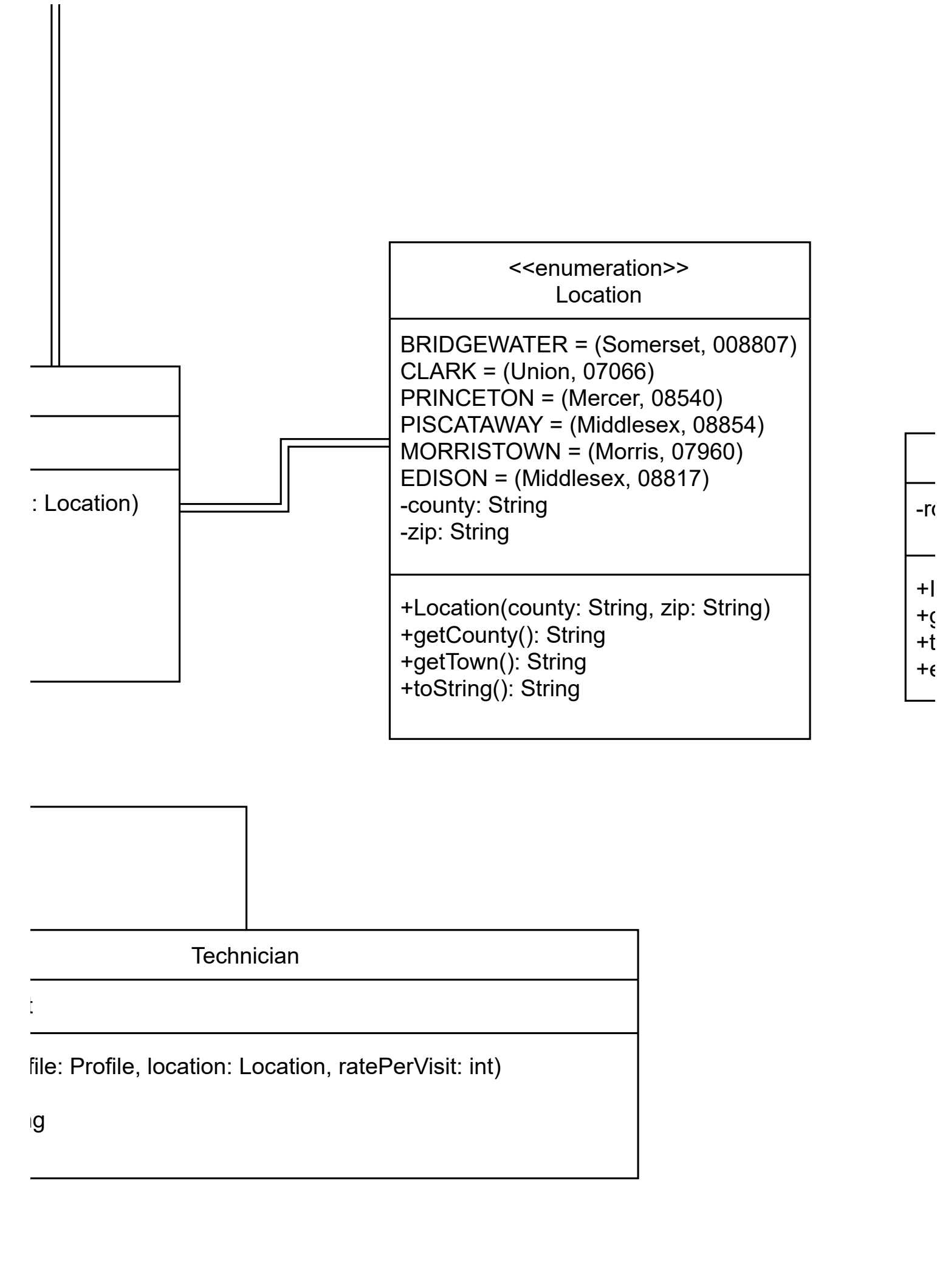
Appointment
#date: Date #timeslot: Timeslot #patient: Person #provider: Person
+Appointment(date: Date, timeslot: Timeslot, patient: Person, provider: Person) +getProvider(): Person +getPatient(): Person


List
ıts: E[]
ıt
ement: E): void
e(index: int): E
Patients(): List
dex: int, element E): void
dex: int): E
ty(): boolean
ns(element E): boolean
int

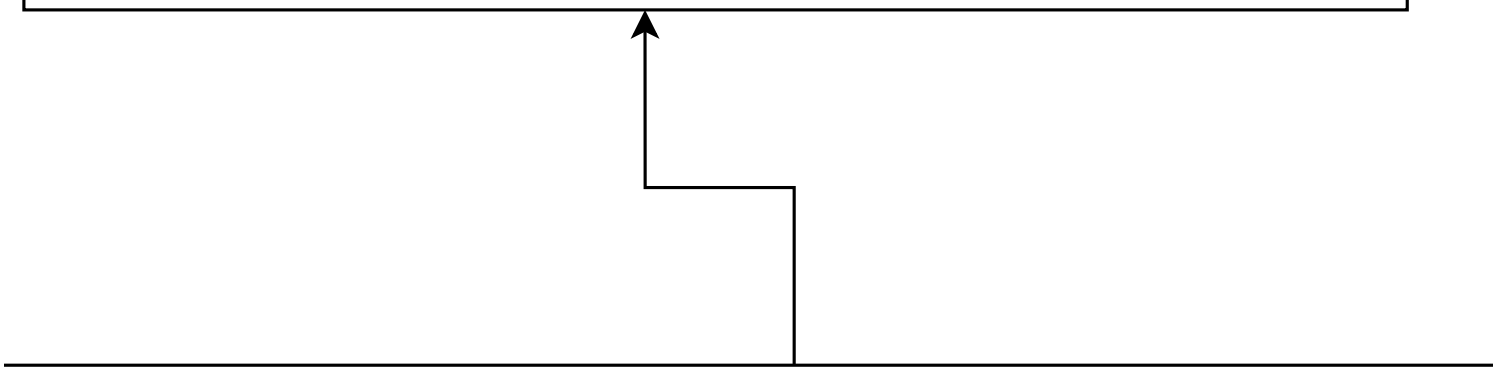

Timeslot
-hour: int
-minute: int
+Timeslot(slotNumber: int)
+getHour(): int
+toString(): String


+equals(obj: Object): boolean
Visit
-appointment: Appointment
-next: Visit
+Visit(appointment: Appointment)
+getNext(): Visit
+setNext(next: Visit): void
+getAppointment(): Appointment
<<enumeration>>
Specialty
FAMILY = 250
PEDIATRICIAN = 300
ALLERGIST = 350
-charge: int
+Specialty(charge: int)
#specialty: Spe
#npi: String
+Doctor(profile
+getNpi(): Strin
+rate(): int
+getSpecialty(
+toString(): Str


Patient
visits: Visit
Patient(profile: Profile, visits Visit)
charge(): int
equals(obj: Object): boolean
toString(): String
getProfile(): Profile
getVisits(): Visit
addVisit(appointment: Appointment): void
Provider
#location: Location
+Provider(profile: Profile, location
+getLocation(): Location
+rate(): int
+toString(): String
Doctor
ecialty
e: Profile, location: Location, specialty: Specialty, npi: String)
ng
): Specialty
ring
#ratePerVisit: int
+Technician(prof
+rate(): int
+toString(): Strin


<<enumeration>>
Location
BRIDGEWATER = (Somerset, 008807)
CLARK = (Union, 07066)
PRINCETON = (Mercer, 08540)
PISCATAWAY = (Middlesex, 08854)
MORRISTOWN = (Morris, 07960)
EDISON = (Middlesex, 08817)
-county: String
-zip: String
+Location(county: String, zip: String)
+getCounty(): String
+getTown(): String
+toString(): String
: Location)
Technician
file: Profile, location: Location, ratePerVisit: int)
g

+getTimeslot(): Timeslot
+sameTime(appointment: Appointment): boolean
+toString(): String
+compareTo(appointment: Appointment): int
+equals(obj: Object): boolean



Imaging

oom: Radiology

Imaging(date: Date, timeslot: Timeslot, patient: Person, provider: Person, room: Radiology
getRoom(): Radiology
toString(): String
equals(obj: Object): boolean

+compareTo(timeslot: Timeslot): int
+equals(obj: Object): boolean

y)

<<enumeration>>
Radiology

XRAY = "XRAY"
CATSCAN = "CATSCAN"
ULTRASOUND = "ULTRASOUND"
-type: String

+Radiology(type: String)
+getType(): String

+getCharge(): int
+toString(): String