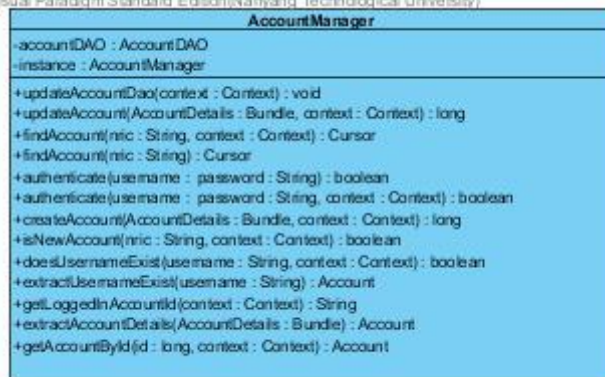


## Class Diagram Manager:

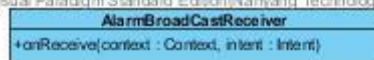
## Account Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)



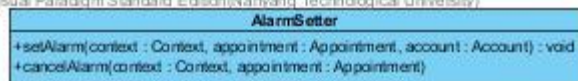
## Alarm Broadcast Receiver:

Visual Paradigm Standard Edition(Nanyang Technological University)



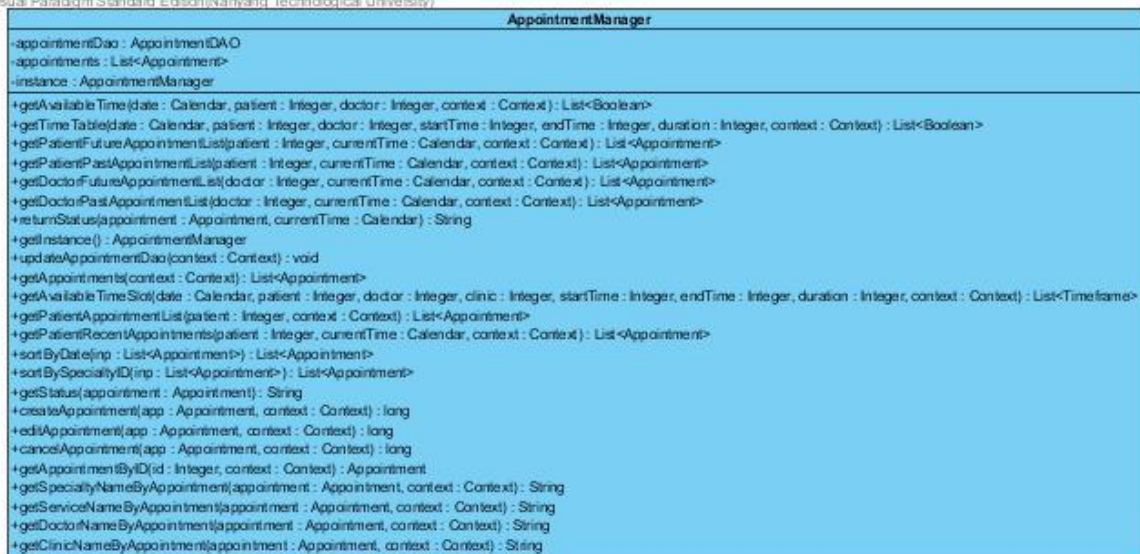
## Alarm setter:

Visual Paradigm Standard Edition(Nanyang Technological University)



## Appointment Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)



## Clinic Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)

ClinicManager
-instance : ClinicManager() -clinicDao : ClinicDAO
+updateClinicDao(context : Context) : void +getClinics(context : Context) : List<Clinic> +getClinicsById(id : Integer, context : Context) : List<Clinic> +getClinicsByCountry(country : String, context : Context) : List<Clinic> +getClinicsByName(name : String, context : Context) : List<Clinic> +createClinic(clinic : Clinic, context : Context) : long +editClinic(clinic : Clinic, context : Context) : long +cancelClinic(clinic : Clinic, context : Context) : long +getCountryByClinicId(clinicId : Integer, context : Context) : String +getClinicNameByClinicId(clinicId : Integer, context : Context) : String

## Container:

Visual Paradigm Standard Edition(Nanyang Technological University)

Container
-accountManager : AccountManager -appointmentManager : AppointmentManager -clinicManager : ClinicManager -doctorManager : DoctorManager -doctorScheduleManager : DoctorScheduleManager -patientManager : PatientManager -serviceManager : ServiceManager -specialtyManager : SpecialtyManager -initialized : boolean = false
+init() : void +getAccountManager() : AccountManager +getAppointmentManager() : AppointmentManager +getClinicManager() : ClinicManager +getDoctorManager() : DoctorManager +getDoctorScheduleManager() : DoctorScheduleManager +getPatientManager() : PatientManager +getServiceManager() : ServiceManager +getSpecialtyManager() : SpecialtyManager +daysBetween(startDate : Calendar, endDate : Calendar) : long +CalendarToString(calendar : Calendar) : String

## Doctor Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)

DoctorManager
-doctorDao : DoctorDAO -instance : DoctorManager
+getInstance() : DoctorManager +updateDoctorDao(context : Context) : void +getDoctors(context : Context) : List<Doctor> +getDoctorById(doctorId : Integer, context : Context) : List<Doctor> +getDoctorBySpecialization(specializationId : Integer, context : Context) : List<Doctor> +getDoctorsByClinicAndSpecialization(specializationId : Integer, clinicId : Integer, context : Context) : List<Doctor> +createDoctor(doctor : Doctor, context : Context) : long +editDoctor(doctor : Doctor, context : Context) : long +cancelDoctor(doctor : Doctor, context : Context) : long

## Doctor Schedule Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)

DoctorScheduleManager
-doctorScheduleDao : DoctorScheduleDAO -instance : DoctorScheduleManager
+getInstance() : DoctorScheduleManager +updateDoctorScheduleDao(context : Context) : void +getDoctorSchedules(context : Context) : List<DoctorSchedule> +getDoctorSchedulesById(id : Integer, context : Context) : List<DoctorSchedule> +getDoctorSchedulesByDoctorID(doctorId : Integer, context : Context) : List<DoctorSchedule> +getDoctorSchedulesByClinicID(clinicId : Integer, context : Context) : List<DoctorSchedule> +getDoctorSchedulesByDoctorClinicID(doctorId : Integer, clinicId : Integer, context : Context) : List<DoctorSchedule> +createDoctorSchedule(doctorSchedule : DoctorSchedule, context : Context) : long +editDoctorSchedule(doctorSchedule : DoctorSchedule, context : Context) : long +cancelDoctorSchedule(doctorSchedule : DoctorSchedule, context : Context) : long

## Patient Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)

PatientManager
-patientDao : PatientDAO -instance : PatientManager()
+getInstance() : PatientManager +updatePatientDao(context : Context) : void +getPatients(context : Context) : List<Patient> +getPatientsById(patientId : Integer, context : Context) : List<Patient> +createPatient(patient : Patient, context : Context) : long +editPatient(patient : Patient, context : Context) : long +cancelPatient(patient : Patient, context : Context) : long

## Service Manager:

Visual Paradigm Standard Edition(Nanyang Technological University)

ServiceManager
-serviceDao : ServiceDAO -instance : ServiceManager
+getInstance() : static +updateServiceDao(context : Context) : void +getServices(context : Context) : List<Service> +getServicesById(serviceId : Integer, context : Context) : List<Service> +getServicesBySpecialtyId(specialtyId : Integer, context : Context) : List<Service> +getServiceNameById(serviceId : Integer, context : Context) : String +getServiceDurationById(serviceId : Integer, context : Context) : Integer +getServicePreappbyId(serviceId : Integer, context : Context) : String +createService(service : Service, context : Context) : long +editService(service : context : Context) : long +cancelService(service : Service, context : Context) : long

## Session Manager:

Visual Paradigm Standard Edition (Nanyang Technological University)



## Specialty Manager:

Visual Paradigm Standard Edition (Nanyang Technological University)

