# Class Diagram Entity:

#### Account:

```
Vicual Plandors Standard Edition Name Technological University

- Innine: Stang
- Innine: Stan
```

## Appointment:

```
Visual Paradigm Standard Edition(Nanyang Technological University)
                                                                                                                     Appointment
    -appointmentld : Integer
-clinicid : Integer
    -Doctorld : Integer
    -date : Calendar
     -service : Integer
    -specialtyID : Integer
-preAppaintmentActions : String
     timeframe: Timeframe
    +Appointment(patientID: Integer, specialtyID: Integer, clinicid: Integer, doctorld Integer, date: Calendar, timeframe: Timeframe; preAppointmentActions: String)
    +Appointment()
    +print() : String
    +getId() : int
+setId(appointmentId : Integer) : Void
    +getPatientID(): Integer
+setPatientId(patientId : Integer): Void
    +getSpecialtyld(): Integer
+setSpecialtyld(specialtyld : Integer) : Void
    +getClinicld():Integer
+setClinicld(clinicld:Integer):Void
    +getDoctorid() : Integer
+setDoctorid(doctorid : Integer) : Void
    +getService(): Integer
+setService(service : Integer) : Void
    +gerDate(): Catlendar
+serDate(date: Catlendar): Void
+gerTimeframe(): Timeframe
+serTimeframe(): Void
    +getPreAppaintmentActions(): String
+setPreAppaintmentActions(preAppaintmentActions: String): Vaid
```

#### Clinic:

```
Visual Paradigm Standard Edition(Nanyang Technological University)
     -id : Integer
-address : String
     name : String
     zip Code : Integer
     -telNumber : Integer
-faxNumber : Integer
     email: String
country: String
    +Clinic()
     +Climicifd: Integer, name: String, address: String, zipCode: Integer, telNumber: Integer, faxNumber: Integer, email: String, country: String)
     +Olinio(name: String, address: String, zipCode: Integer, telNumber: Integer, faxNumber: Integer, email: String, country: String)
     +print() : String
     +getId() : Integer
+setId(id : Integer) : void
    +getName(): String
+setName(name: String): void
     +getAddress() : String
+setAddress(address : String) : soid
    +getZipCode() : Integer
+setZipCode(zipCode : Integer) : void
     +getTelNumber() : Integer
+setTelNumber(telNumber : Integer) : void
     +getFaxNumber() : Integer
+setFaxNumber(faxNumber: Integer) : void
     +getEmail() : String
+setEmail(email : String) : void
    +getCountry() : String
+setCountry(country : String) : vaid
+toString() : String
```

### Doctor:

```
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Dector

-specializationId: Integer
-practiceDuration: Integer
-DoctorId: Integer
-ame: String

+Doctor()

+Doctor(name: String, specialization Specialty, practiceDuration: Integer)
+Doctor(name: String, specializationId: Integer, practiceDuration: Integer)
+poctor(name: String, specializationId: Integer, practiceDuration: Integer)
+getDoctorId(doctorId: Integer)
+setDoctorId(doctorId: Integer): Void
+getSpecializationId(): Integer
+setSpecializationId(): Integer
+setSpecializationId(): Integer
+setSpecializationId(): Integer
+setSpecializationId(): Integer
+setPracticeDuration(): Integer
+setPracticeDuration(): Integer
```

## **Doctor Schedule:**

```
Visual Paradigm Standard Edition/Nanyang Technological University/
DoctorSchedule
    schedule ld : Integer
    clinicki : Integer
    -doctorid : Integer
    day : String
    +DoctorSchedule()
    +DoctorSchedule(doctorld: Integer, clinicid: Integer, day: String)
    +DoctorSchedule2(doctorld: Integer, clinicId: Integer, day: String, timeframe: Timeframe)
    +getId() : Integer
    +setId(id:Integer):Void
   +getDoctorld() : Integer
+setDoctorld(doctorld : Integer) : Void
    +getClinicld():Integer
    +setClinicId(clinicId: Integer): Vaid
    +getDay(): String
    +setDay(day : String) : Void
    +getTimeframe(): Timeframe
    +setTimeframe(timeframe : Timeframe) : Void
```

## Email:

```
Visual Pandgm Standard Edition(Nanyang Technological University)

Email

-USERNAME: String = "dicass15 atgmail.com" (readOnly.leaf)
-PASSWORD: String = "medipoint" (readOnly.leaf)

+ sendMail(email: String, messageBody: String): void
+ createMEssage(email: String, messageBody: String, session: Session): Message
+ createSession(Dipoint): Session
+ SendMailTask()
```

### Notification:

```
Visual Paradigm Standard Edition(Nanyang Technological University)

Notification

+buildNotification(context : Context, body : String, appointment : Appointment) : void
```

#### Patient:

```
Patient

allegy: String
age: inf
-instCTreatments: String
-instCMAedications: String
-patiential int
-instCMAedications: String
-patiential int
-instCMAedications: String
-patiential int
-instCMAedications: String
-patiential int
-instCMAedications: String, password: String, none: String, none: String, provided interest int
-instCMAedications: String, password: String, none: String, provided interest inte
```

#### Service:

Visual Paradigm Standard Edition(Nanyang Technological University)

```
Service
-service ld : Integer
-specialtyld : Integer
-name : String
-duration : Integer
-pre Appointment Actions : String
+Service()
+Service(name : String, specialtyld : Integer)
+Service(name : String, specialtyld : Integer, duration : Integer)
+Service(name : String, specialtyld : Integer, duration : Integer, preAppointmentAction : String)
+print(): String
+getId(): Integer
+setId(serviceId: Integer): Void
+getName(): String
+setName(name : String) : Void
+getDuration(): Integer
+setDuration(duration : Integer) : Void
+getSpecialtyId(): Integer
+setSpecialtyId(specialtyId : Integer) : Void
+getPreAppointmentActions(): String
+setPreAppointmentActions(preAppointmentActions: String): Void
```

## Specialty:

Visual Paradigm Standard Edition(Nanyang Technological University)

```
specialty
-name: String
-id: Integer
+Specialty()
+Specialty(name: String): void
+print(): String
+getName(): String
+setName(name: String): void
+getId()
+setId(id: Integer)
```

# SMS:

```
Visual Paradigm Standard Edition(Nanyang Technological University)

SMS

-SMS_SENT: String = "Message Sent" (readOnly.leaf)

-MAX_SMS_MESSAGE_LENGTH: Integer = 160 (readOnly.leaf)

-SMS_PORT: short = "8901 (readOnly.leaf)

-SMS_DELIVERED: String = "Message Delivered" (readOnly.leaf)

+sendSMS(context: Context, phonenumber: String, message: String, isBinary: boolean)
```

# Timeframe:

Visual Paradigm Standard Edition(Nanyang Technological University)

# Timeframe

-startTime -endTime

+Timeframe(startTime : Integer, endTime : Integer)

+setStartTime(startTime : Integer) : Void +setEndTime(endTime : Integer) : Void

+getStartTime() : Integer +getEndTime() : Integer