Class Diagram UI:

Alert Dialog Interface:

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

AlertDialogInterface

-digAlert: Builder

+ AlertDialogInterface(site: String, message: String, context: Context)

+ Account Created(func: Runnable): void

+ EditAppointmentConfirmed (func: Runnable): void

+ Account AlreadyExists(func: Runnable): void

+ BackToLogin(inserPatientDoB: Runnable): void

+ delete AppointmentDialog(appointment Deleter: AppointmentManager, appointment: Appointment, context: Context): void

+ editAppointmentDialog(): void
```

Appointment Adapter:

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

AppointmentAdapter

+ AppointmentAdapter(context: Context, appointments: ArrayList<Appointment>)
+getVlew(position: Integer, convertVlew: View, parent: ViewGroup): View
+getImagetd(speciallyName: String): Integer
+getAppointmentsDetails(d: Integer): HashMap<String, String>
```

Appointment List Fragment:

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

Appointment ListFragment

-buttonSpinner: Spinner
-actionBar: ActionBar
-appointments: AmayList<Appointment>
-parientld: Integer

+newInstance(): Appointment ListFragment
+onCreate(savedInstanceState: Bundle): void
+onNavigation Item Selected (position: Integer, id: long): boolean
+onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): view
+goToCreateRefermal(): void
+goToCreateRefermal(): void
```

Date Picker Fragment:

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

DatePickerFragment

-set : Button
-activityButton : Button
-activityButton : Button
+anCreate(View(inflater : Layout Inflater, container : ViewGroup, savedinstanceState : Bundle) : view
+anCreate(savedinstanceState : Bundle) : void
+anActivityCreated(savedinstanceState : Bundle) : void
+anResume() : void
+anResume() : void
+anResume() : void
+anStap() : void
+anDestroy(inex() : void
+anDestroy(inex() : void
+anDestroy(i) : void
+anDestroy(i) : void
+anDestroy(i) : void
+anClick(v : view) : void
```

Create Follow Up Activity:

```
Visual Paradigm Standard Edition(Namong Technological Unive
CreateFollowUpActivity
     apptDate : Calendar
    -timeframe: TimeFrame
    -duration : Integer
    specialtyld: Integer
    -serviceld : Integer
-patientld : Integer
    -doctorld : Integer
-serviceSpinnerCreate : Spinner
    -services : List<Service>
-serviceNames : List<String>
    -confirmButton : Button
-cancelButton : Button
    accounted : long
    +anCreate(savedinstanceState : Bundle) : void
    +onCreateOptionsMenu(menu: Menu): boolean
    +anOptionsItemSelected(item : Menultem) : boolean
    +anttemSelected(parent: AdapterView<?>, view: View, position: Integer, id: long): vaid
    +onNothingSelected(parent: AdapterView<?>): void
    +onDateButtonSelected(v: View): void
    +DatePickerFragmentToActivity(date : Integer, month : year : Integer, button : Button) : void
    +anTimeBUttanSelected(v:View): vaid
    +selectitem(position: Integer): void
    +getTimePickerItems(): ArrayList<String>
     resetTimePicker(): void
    +anClickCreateAppaintment(): vaid
```

Edit History Activity:

```
Visual Paradigm Standard Edison(Namyang Technological

EditHistory Activity

-allergyInfo: String = "
-medicalHistory: String = "
-ongoingTreatment: String = "
-ongoingMedication: String = "
-DOB: Calendar
-patientId: Integer
-accountIDAO: AccountIDAO
-patientIDAO: PatientIDAO
-patientIDAO: PatientIDAO
-patientIDAS: List<Patient>
+onCreate(savedInstanceState: OnCreate): void
+onCreate(savedInstanceState: Menultem): boolean
+onCheckboxClicked(view: View): void
+assChecked(view: View): void
+setChecked(view: View): void
+getOthen(inp: String): String
```

Edit Appointment Activity:

```
Visual Paradigm Standard Edition/Nanyang Technological Univer
EditAppointmentActivity
    clinicid: Integer = 1
    patientld : Integer
    doctorld : Integer
    apptDate : Calendar
    serviceld : Integer = 1
    specialtyld: Integer = 1
    countryld : Integer = 1
    duration : Integer
    referrerld : Integer
    preAppointmentActions: String
    timeframe: Time Frame
    specialtySpinnerCreate : Spinner
    countrySpinnerCreate : Spinner
    serviceSpinnerCreate : Spinner
    doctorSpinnerCreate : Spinner
    clinicSpinnerCreate : Spinner
    specialtyDAO : SpecialtyDAO
    specialities : List<Specialty>
    confirmButton: Button
    cancelButton: Button
    app : Appointment
    +onCreate(savedInstanceState:Bundle):void
    +onCreateOptionsMenu(menu: Menu): boolean
    +anOptionsItemSelected(item : Menultem) : boolean
    +onlitemSelected(parent: AdapterView<?>, view: View, position: Integer, id: long): void
    +selectitem(position: Integer): void
    +resetTimePicker(): void
    +editAppointment() : void
    +onNothingSelected(parent: AdapterView<?>): void
    +onCance Edit(view : View) : void
    +anCanfirmEdit(view: View): vaid
    +onStart(): void
    +anResume(): vaid
    +onPause(): void
    +onSaveInstanceState(outState: Bundle): void
    +onRestoreInstanceState(savedInstanceState: Bundle): void
    +anStap(): vaid
    +anDestray(): vaid
   +showTimepicker(v:View): vaid
+anDateButtonSelected(v:View): vaid
    +DatePickerFragmentToActivity(date: Integer, month: Integer, year: Integer, button: Button): void
    +anTimeButtonSSelected(v: View): vaid
   +getTimePickerItems(): ArrayList<String>
```

Follow Up Adapter:

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

FollowUpAdapter

+ViewHolden()
+FolloUpAdapter(context : Context, appointment : ArrayList<Appointment>)
+getVlew(position : Integer, convertVlew : Vlew, parent : ViewGroup): view
+getImageld(specialtyName : String): Integer
+getAppointmentDetails(appointment : Appointment): HashMap<String, String>
```

Follow Up List Activity:

```
Visual Paradigm Standard Edition(Narryang Technological FollowUpListActivity - patientild : Integer + ancreate(saredinstance State : Bundle) : void + ancreate(saredinstance State : Bundle) : void + ancreate(optionsMenu(menu : Menu) : boolean + anOptionsItem Selected(item : Menultem) : boolean
```

Create Appointment Activity:

```
Visual Paradigm Standard Edition (Nanyang Technological Univer
Create Appointment Activity
    -clinicID : Integer = 1
-patientId : Integer
    -doctorid : Integer
-referrentD : Integer
    -date : Calendar
-serviceld : Integer
    specialtyld : Integer = 1
-countryld : Integer = 1
    duration : Integer
preAppointmentActions : String
     timeframe: TimeFrame
     accountld : long
    specialtySpinnerCreate : Spinner
-countrySpinnerCreate : Spinner
     serviceSpinnerCreate : Spinner
     doctorSpinnerCreate : Spinner
     clinicSpinnerCreate : Spinner
     confirmButton: Button
     cancelButton: Button
     specialtyDAO : SpecialtyDAO
     specialties : List<Specialty>
    appointmentDAO : AppointmentDAO
    +onCreate(savedInstanceState : Bundle) : void
    +onCreateOptionsMenu(menu: Menu): boolean
    +onOptionsItemSelected(item : Menultem) : boolean
    +onltemSelected(parent: AdapterView<?>, view: View, position: Integer, id: long): void
    +anTimeButtanSelected(v:View):void
    +onNothingSelected(parent : AdapterView<?>) : void
    +onStart():void
    +anResume(): vaid
    +onPause(): void
    +onSaveInstanceState(outState : Bundle) : void
    +anRestoreInstanceState(savedInstanceState : Bundle): void
    +anStap(): vaid
    +anDestray() : vaid
+shawTimepicker(v : View) : vaid
    +anDateButtonSelected(v: View): void
    +anClickCreateAppointment(): Void
    +getTlmePickerItems(): ArrayList<String>
    +selectitem(position : Integer) : void
    +resetTimePicker(): void
    +DatePickerFragmentToActivity(date: month: Integer, year: Integer, button: Button): void
```

Login Activity:

```
Visual Paradigm Standard Edison(Narryang Technological LoginActivity

-loginButton: Buttorn
-sessionManager: SessionManager

+ onCreate(sarvedInstanceState: Bundle): void
+ onCreate(ptionsMenu/menu: Menu): boolean
+ onOptionsitem Selected(item: MenuItem): boolean
+ onBackPressed(): void
+ ForgotPassward(view: View): void
+ wrong Crederfials(): void
+ loginSuccessful(username: String): void
+ goTaMain(): void
```

Main Activity:

```
Visual Panadigm Standard Edition(Nanyang Technological 
MainActivity

+ onCreate(sarvedinstance State: Bundle): void
+ onBackPressed(): void
+ SampleFragmentPagesAdapter()
+ onCreateOptionsMenu(menu: Menu): boolean
+ onOptionsitem Selected (item: Menultem): boolean
```

Medical History Activity:

```
WedicalHistoryActivity

-dentallinfa : String = ""
-EN Tinfa : String = ""
-genitallinfa : String = ""
-dihertinfa : String = ""
-dihertinfa : String = ""
-dihertinfa : String = ""
-allegytinfa : String = ""
-medicalHistory : String = ""
-medicalHistory : String = ""
-medicalHistory : String = ""
-ongoingTreatment : String = ""
-ongoingMedication : String = ""
-patientDAO : PatientDAO
-DOB : Calendar
-patientId : Integer
-nonCreate(savedInstance State : Bundle) : void
-nonCreate(savedInstance State : Bundle) : void
-nonCreate(savedInstance State : Menultern) : boolean
-nonDationstem Selected(item : Menultern) : boolean
-nonBackPressed() : void
-norCreate(savedInstance State : View) : void
```

Medical History Fragment:

```
Visual Paradigm Standard Edition/Nanyarg Technological University

Medical HistoryFragment
    -patientid : long
     name: String
    -patientGender : String
    -patientAge : Integer
-medicalHistory : String
     allergy: String
    ongoingTreatment : String
ongoingMedication : String
-accountDAO : AccountDAO
     patientDAO : PatientDAIO
    patient: List<Patient>
    +newInstance(): MedicalHistoryFragment
    +ancreate (savedinstanceState : Bundle) : void
    +onActivityCreated(savedinstanceState : Bundle) : void
    +onStat(): void
    +anResume(): vaid
    +onPause(): void
    +onSaveInstanceState(outState : Bundle) : void
    +anStap(): vaid
    +anDestrayView(): vaid
    +anDestray(): vaid
     onCreateView(inflater: LayoutInflater, container: ViewGroup, savedinstanceState: Bundle): View
    +anEdit(): vaid
```

On Data Pass:

```
Visual Paradigm Standard Edison(Nanyang Technological University)
onData Pass
+DatePickerFragmentToActivity(date: Integer, month: Integer, year: Integer, button: Button): void
+TimePickerToActivity(timeSelected: CharSequence, button: Button): void
```

Password Retriever Activity:

```
Visual Paradigm Standard Edition(Namyang Technological
Pas swordRetrieverActivity

+ onCreate(savedInstance State : Bundle) : void
+ onCreate(ptionsMenu(menu : Menu) : boolean
+ onOptionsItem Selected(item : Menuitem) : boolean
+ AccountNotExist() : void
+ emailPassword(oursor : Cursor) : void
```

Referral Activity:

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

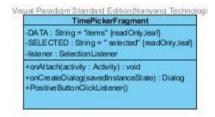
ReferralActivity

-speciallySpinner_create: Spinner
-countrySpinner_create: Spinner
-doctorSpinner_create: Spinner
-doctorSpinner_create: Spinner
-doctorSpinner_create: Spinner
-doctorSpinner_create: Spinner
-doctorSpinner_create: Spinner
-clinicSpinner_create: Spinner
-specialityDAO: SpeciallyDAO
-specialities: List<SpeciallyDAO
-specialities: List<Specially>
+onCreate(savedInstance State: Bundle)
+onCreate(savedI
```

Selection Listener:

```
Visual Paradigm Standard Edition(Nanyang Technol
</interface>
SoloctionListener
+selectitem(position : Integer) : void
```

Time Picker Fragment:



Sign Up:

Sign Up Page One Activity:

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

SignUpPageOneActivity

-AccountCreator: AccountManager
-PageOne: Activity

+onCreate(paradinstance State: Bundle): void
+onCreate(OptionsMenu(menu: Menu): boolean
+onOptionsItem Selected (item: Menultem): boolean
+goToPage2(name: String, nnic: String, email: String, contact: String, address: String): void
+checkPassword(password: EditText, ConfirmPassword: EditText): boolean
+goToLoginPage(): void
+goToNext(view: View): void
+goToNext(views: EditText [], n: Integer): boolean
+incompleteForm(): void
+operation()
```

Sign Up Page Two Activity:

```
Visual Paradigm Standard Edition(Nanyang Technological Unive
                                                                    SignUpPageTwoActivity
    PageTwo: Activity
    dateOB : Integer = 0
   -monthOB : Integer = 0
   -yearOB : Integer = 0
   +onCreate(savedinstance State : Bundle)
   +onCreateOptionsMenu(menu: Menu): boolean
    +onOptionsItemSelected(item : Menultem) : boolean
   +goToPage1(): void
   +gaToPage3(gender: String, manitalStatus: String, citizenship: String, country/OfResidence: dob long, isEma1Checked: Integer, isSMSChecked: Integer): Void
   +gaTaPrevious(view: View): void
   +gaTaNext(view: View): vaid
   +isFOrmFilled(view: EditText(), n:Integer): boolean-
   +incompleteForm(): Integer
   +anCheckBaxClicked(view: View): Integer
    +onDateButtonSelected(v: Vlew): Void
   +DatePickerFragmentToActivity(date : Integer, month : Integer, year : Integer, button : Button) : void
```

Sign Up Page Three Activity:

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

SignUpPageThreeActivity

-AccountCreator: AccountManager

+ onCreate(savedinstanceState: Bundle): void

+ onCreate(savedinstanceState: Bundle): void

+ onCreate(savedinstanceState: Bundle): boolean

+ onOptionstlem Selected (frem: Menulitem): boolean

+ graToPage2(): void

+ checkPassword(Password: EditText, ConfirmPassword: EditText)

+ graToMedicalHistoryForm(username: String, password: String, PageThreeToHistory: Intent): void

+ graToMedicalHistoryForm(username: String, password: String, PageThreeToHistory: Intent): void

+ graToMedicalHistoryForm(username: String, password: String, intent: Intent, accountID: Integer): void

+ accountCreatedDialog(username: String, password: String, intent: Intent, accountID: Integer): void

+ createIntentToHistory(username: String, password: String): Intent
```

View Appointment Activity:

