**System Flowchart**

Start

Log in Page

Login?

Input Username and Password

Validating

Incorrect Credentials?

Admin Dashboard

a

Dashboard

Show Error Message

a

Appointment

Total Patient

Midwives

Display

Display

Display

Appointment

Display Appointment

Midwife Schedule

Book Appointment

NO

a

YES

NO

**System Flowcharts**

Log out?

End

Patient Record

Patient Record

Display Patients

Add Patient

Edit And Update

A

Delete

Prenatal Records

Display

Midwife’s

Display

Update Details

Delete

Staff

Display Staff

Update Details

Delete

Archive

Midwife and Staff

Patient

Appointment

Maintenance

Restore

Backup

User

Add New User

Download

Restore?

Delete

Pat

**Figure 1**. System Flowchart

**Program Flowchart: Log in**

Start

Log in Page

Log in?

Input Username and Password

Validating

Input Username and Password?

Admin Dashboard

Log out?

End

YES

YES

NO

NO

B

Show Error Message

a

YES

**Figure 2. Program Flowchart Log in**

**Program Flowchart: Dashboard**

Start

Log in Page

Input Username and Password

Validating

Display Login Page

C

Valid?

Appointment

Redirect To Dashboard

Patient Record

Midwifes

Staff

D

E

F

G

Event

Archive

Maintenance

End

J

I

H

**Program Flowchart: Patient Record**

Start

Log in Page

Input Username and Password

Save Successfully

E

View

Patient

Update Patient

Patient Record

Prenatal Record

Add

Patient?

Save?

Delete

Patient

End

Move to Archive

Update Patient Record

Close?

Save?

E

E

Input Username and Password

Save Successfully

E

Display Patient

**Program Flowchart: Appointment**

Start

Appointment

Input New Appointmentd

Validating

Display Appointments

D

Book Appointment?

Midwifes Schedule

End

D

Display Midwifes with schedule

D

**Program Flowchart: Archives**

s

Display Archived

Appointments

I

I

Midwife and

Staff

Start

Archive Data

Prenatal

Patient

Appointment

End

Display Archived

Patient Records

Display Archived

Prenatal

Records

Display Archived

Midwifes and

Staff's

YES

NO

Restore?

Restore Successfully

**Program Flowchart Maintenance**

Start

Backup

Display Restore Database

J

Download?

Save to Device

J

Save to Device

Restore

Download?