1) Use case diagram:

Children

Details about Vaccines

Women

Vaccine Info List

Adult

Save

C:\Users\Animesh\Desktop\user.PNG

Notification

New Vaccine Entry

**User**

Application Info

Vaccine Entry for Reminder

Edit and Notification

Edit Vaccine Entry

Delete

2) Data flow Diagram

Person Name

Notification in the Notification Bar

**Database**

Vaccine Name

Date

Fig : Data flow diagram for Add new vaccine reminder.

Reminder List

Vaccine Name

Matching

Onclick

Person Name

Get VacId

Edit or Delete

**Database**

Date

Fig : Data flow diagram for Edit or Delete a vaccine reminder from Vaccine list.

3) Control Flow diagram

Reminder List and Info

Person Name

Date

Date

Person Name

Vaccine Name

Vaccine Name

**Database Update**

Has the due date arrived?

No

Yes

Continuous monitoring using PendingIntent

Generate Notification with Alarm

Class diagram

first

1. ~~TabActivity~~

2. Resources

3. Tabhost

4. TabSpec

5. Intent

1. getResources()

2. getTabHost()

3. newTabSpec()

4. setIndicator()

5. setContent()

6. setClass()

7. setDrawable()

8. addtab()

9. setContentView()

10. getMenuInFlater()

ListActivity, ListActivity2, ListActivity3

1. Activity Class

2. TextView

3. Intent

1. getIntent()

2. onCreate()

3. setContentView()

4. findViewById()

5. getIntentExtra()

6. setText()

normalPanel

1. Activity Class

2. ListView

3. TextView

4. ArrayAdapter

5. Intent

1. OnItemClickListener()

2. onCreate()

3. setContentView()

4. findViewById()

5. setAdapter()

6. AdapterView()

7. startActivity()

8. putExtra()

MainActivity

1. Activity Class

2. ImageButton

3. Intent

1. onCreate()

2. setContentView()

3. OnClickListener()

4. startActivity()

5. getMenuInFlater()

aboutActivity

1. Activity Class

2. TextView

1. onCreate()

2. setContentView()

editVac

1. Activity Class

2. ImageButton

3. EditText

4. Calender

5. PendingIntent

6. Notification

7. HashMap<String,String>

8. AlarmManager

1. OnClickListener()

2. onCreate()

3. setContentView()

4. findViewById()

5. get()

6. setText()

7. DatePickerDialog()

8. OnDateSetListener()

9. setNotificationEdit()

10. getTimeInMills()

11. startActivity()

12. putExtra()

13.getSystemService()

14. getText().toString()

15. callHomeActivity()

16. showDialog()

homeActivity

1. ListActivity Class

2. ListView

3. TextView

4. ArrayList

5. Intent

6. ListAdapter

7. HashMap<String,String>

1. setOnItemClickListener()

2. onCreate()

3. setContentView()

4. findViewById()

5. setListAdapter()

6. getText().toString()

7. startActivity()

8. putExtra()

DBController

1. SQLiteOpenHelper

2. SQLiteDatabase

3. PendingIntent

4. Notification

5. HashMap<String,String>

6. ContentValues

7. ArrayList

8. Cursor

1. onCreate()

2. execSQL()

3. onUpgrade()

4. get()

5. put()

6. insert()

7. close()

8. update()

9. getWritableDatabase()

10. Cursor.moveToFirst()

11. Cursor.moveToNext()

MyNotificationService

1. Service Class

2. IBinder

3. Uri

4. Intent

5. PendingIntent

6. NotificationManager

7. Notification

1. onBind()

2. onStartCommand()

3. getActivity()

4. SystemService()

5. Builder()

6. setContentTitle()

7. setTicker()

8. setWhen()

9. setSmallIcon()

10. setContentIntent()

11. setSound()

12. setDefaults()

13. build()

14. notify()

newVac

1. Activity Class

2. ImageButton

3. EditText

4. Calender

5. PendingIntent

6. Notification

7. HashMap<String,String>

8. AlarmManager

9. Button

10. Dialog

11. Intent

1. OnClickListener()

2. onCreate()

3. setContentView()

4. findViewById()

5. get()

6. setText()

7. DatePickerDialog()

8. OnDateSetListener()

9. onCreateDialog()

10. getTimeInMills()

11. startActivity()

12. putExtra()

13.getSystemService()

14. getText().toString()

15. callHomeActivity()

16. showDialog()

17. getInstance()