Arrows show the interaction of the classes

MainActivity interacts with all the classes in the Presentation Layer.

PRESENTATION LAYER BUSINESS LOGIC LAYER PERSISTENCE LAYER

PhotoNoteBL.java

ClickableImageBL.java

CheckListBL.java

HandwritingBL.java

TextNoteBL.java

TextNoteWrapper.java

HandWritingWrapper.java

PhotoNoteWrapper.java

CheckListWrapper.java

DataInterface.java

NoteInterface.java

TextNotePL.java

DataBaseHelper.java

PhotoNoteUI.java

NoteTaker.java

MainActivity.java

HandwritingUI.java

HandwritingView.java

NoteListAdapter.java

CheckListUI.java

DATABASE

DataInterface is implemented by DataBaseHelper as well as TextNotePL(contains the stub database-arraylist)

Note is the domain object which mainly interacts with Notetaker.java, TextNoteBL.java and TextNotePL.java

Android Libraries

1) PhotoNoteBL -> android.provider.MediaStore

: MediaStore to access jpg files stored in the device storage to use it as type Bitmap for ImageView

2) HandwritingView.java -> Android.graphics, Android.view.MotionEvent

: Android.graphics classes (Bitmap, Canvas, Color, Paint, Path) are used for the actual drawing/writing when user presses and moves across drawing space. Android.view.MotionEvent detects this movement

3)MainActivity.java-> Imported Android Activity, uri, and content.Intent

4) PDFviewer uses a third party pdf reader to view the pdf like adobe reader.

5) HandwritingWrapper -> Imported android.graphics.Bitmap and BitmapFactory are used for handling sending and receiving bitmaps. android.os.Environment is used for finding the file path of the images that handwriting notes are stored as

6) HandwritingBL -> Imports Bitmap and BitmapFactory for handling sending and receiving bitmaps

7) HandwritingUI -> Imports android.content.intent for passing data to activities. android.widget.Toast is used for creating temporary pop up messages to inform user of saving. Imports Bitmap as well.

**\*\*\*\*SEAMS and TESTING\*\*\*\*\***

The tested parts of our application include:

1) CheckListBL.java

2) CheckListWrapper.java

3) PhotoNoteBL.java

4) TextNoteBl.java

5) TextNoteWrapper.java

All their respective integration test are in the TestIT.java class and all of their unit test are in the TestList.java class.

These are the main part of application that communicate with the database.