Information review

# Recycler view

## (Pluralsight 2018 Android apps with Kotlin: Recycler View and Navigation Drawer)

Highlights the use of Recycler view in order to make a structured list of articles.

Link: (<https://app.pluralsight.com/library/courses/android-apps-kotlin-recyclerview-navigation-drawer>)

## Android Pub – Getting started with RecyclerView in Android – Kotlin

Explains the purpose of RecyclerView and how to implement it into your app.

Link: (<https://android.jlelse.eu/using-recyclerview-in-android-kotlin-722991e86bf3>)

# Database design and login system

## Android Developers – Save data using SQLite

This source describes the principles of SQL Databases and provides an example of how to implement one. Although this source does not have a great step by step guide on implementation it provides useful general knowledge on database schema. Most importantly it’s in Kotlin.

Link: (<https://developer.android.com/training/data-storage/sqlite>)

## Mobile Applications Development module - Week 6 Practical Exercise

This practical exercise from the Mobile Applications Development module provides a step by step guide on how to implement a basic SQLite database with an android application. Combined with the additional information provided in the previous source I should be able to construct a more complex SQLite database.

## Android Tutorials Hub – Android [Kotlin] Login and Register Tutorial

This source will provide further information on SQLite databases specific to login functionality, including how to make a registration feature for the app.

Link: (<http://www.androidtutorialshub.com/android-kotlin-login-register-with-sqlite-database-tutorial/>)

# Signature capturing

## Android Tutorial Point – Android Canvas Tutorial: Capture Digital Signature and Save

This source provides an extensive overview on how signature capturing works using android canvas and how to save a signature in PNG format for further use. This is likely to be an integral step in understanding how to undertake the consent form signature part of the app.

Link: (<https://www.androidtutorialpoint.com/basics/android-canvas-tutorial-capture-digital-signature-and-save/>)

## Medium – How to integrate Signature in Android Application

Although this source goes into less detail than Android Tutorial Point it can be used as a secondary source of information on the integration of signature capturing, or used as a primary information source should the above source prove to be unreliable.

Link: (<https://medium.com/@cmarixtechnolabs/how-to-integrate-signature-in-android-application-62a464fa99ef>)

# Using the camera to capture and store images.

## DemoNuts - Kotlin Upload Image From Camera To Server Example

Although this source uses PHP-MySQL instead of SQLite for database storage the concept is the same as to what I need for taking pictures of notes.

Link: (<https://demonuts.com/kotlin-upload-image-from-camera/>)

## Acadgild – How to Store and Retrieve Images from SQLite in Android

This source can be utilised to understand the process of storing and retrieving an image within an SQLite database. Which will be useful for Teachers to view doctors notes sent in by parents.

Link: (<https://acadgild.com/blog/save-retrieve-image-sqlite-database-android>)

## Mobile Applications Development Module - Week 5

Module tutorial activity includes creating an android app which uses a camera to take photos and then add them to the photo gallery.

Link: (<https://shuspace.shu.ac.uk/bbcswebdav/pid-8989412-dt-content-rid-35394139_2/courses/55-602744-AF-20190/Lab%205%20-%20Camera_LocationServices%282%29.pdf>)

## Android Developers - Photo Basics

Additional information on requesting access to the camera, taking a photo, saving the full size photo.

Link: (<https://developer.android.com/training/camera/photobasics>)

# Calendar Features

## Android Developers – Calendar

This source provides all the necessary information needed to integrate a calendar into an app.

Link: (<https://developer.android.com/reference/java/util/Calendar>)

## Medium – Android Custom Calendar with events

This source will provides some additional calendar customisation ideas such as Material design and a date range picker which could be used to differentiate notable date types.

Link: (<https://medium.com/@Patel_Prashant_/android-custom-calendar-with-events-fa48dfca8257>)