Notes – 21 / 09 / 2020 – Klapesh training

Activities and Intents – Codelab excercises and fundamental concepts

* [Application Fundamentals](http://developer.android.com/guide/components/fundamentals.html)
* [Activities](http://developer.android.com/guide/components/activities.html)
* [Understand the Activity Lifecycle](https://developer.android.com/guide/components/activities/activity-lifecycle)
* [Intents and Intent Filters](http://developer.android.com/guide/components/intents-filters.html)
* [Handle configuration changes](http://developer.android.com/guide/topics/resources/runtime-changes.html)
* [Activity](http://developer.android.com/reference/android/app/Activity.html)
* [Intent](http://developer.android.com/reference/android/content/Intent.html)

Viewgroups

Alignment is essential

1 LinearLayout

2 RelativeLayout

3 ConstraintLayout

4 Coordinatorlayout

1. Dataset => Adapter -> UI (Recycleview, listview or spinner)
2. Kotlin in week 3
3. Android arsenal for customer spinners and buttons, etc
4. Better pickers

Room database

Entities

Database

DAO

* Separate initialization into functions - modular

Threading – executable threading tasks.

Database queries must be executed on a separate thread.

RunOnUIthread

Runnable

Run()

Week 2) 28/09/2020

Recycler View

Zepplin

Stencil

Material design

Fragments

Activities the mother of fragments

1 activity and only fragments

Fragments for tabs or user information or scroll tab in an application.

See slides

Place in enclosing layout or viewgroup

Add dynamically

2 friends getSupportFragmentManager

Add a fragment to the container

Commit

Special keys for creating keywords in android studio

Try implementing as many as these as possible

https://developer.android.com/studio/intro/keyboard-shortcuts

OnCreateview() for initialisation

OnViewCreated() initialize UI components

Fragment to Fragment communication via the. Main activity via an interface

Navgraph is a nice navigation tool for visualisation of fragments in your application. Requires specification when a new fragment is created.