**455-555 Week 9 Session A Notes**

Final Project ~ Phase 1

API’s

-Firebase RealTime Database (Store and sync data in real time) -Exercise 1

\*Coming soon! Lab 5 Quiz App - working with Background services, ratingbar

-Check Week 9 Ratingbar demo

Mid Term review

**[** [**Final Project Phase I**](https://docs.google.com/spreadsheets/d/1o0WZSqLFvN_SbiYdz08nfkGDj4HND-hBpzHNoiWaawU/edit?gid=0#gid=0) **]**

See Final Project Phase 1.zip file under your ‘Final Project’ module in Canvas.

**-Project ideas??**

**Issue tracker**

**Productivity tracker**

**Attendance tracker**

**Survey app!!! ☺**

[**NFT Digital Art Displays**](https://opensea.io/)**, etc. (code named D-ART)**

**Think educationally/socially/culturally/economically/financially!**

**[** [**Firebase RealTime Database**](https://firebase.google.com/docs/database) **part 1 exercise ]**

Work the exercise located in your **Demos>APIs** module

**[ Lab 5 sneak peak / overview** ]

[**http://www.papademas.net:81/sample.txt**](http://www.papademas.net:81/sample.txt)

A screenshot of a cell phone

Description automatically generated

**[ Enhancing the user interface - Being Thematic / UI Design detailing ]**

**Refs:**

**Enhancing the user interface**

[**https://github.com/bhavinpatel9498?tab=repositories**](https://github.com/bhavinpatel9498?tab=repositories)

[**https://www.youtube.com/watch?v=wzcFPFCYjFQ**](https://www.youtube.com/watch?v=wzcFPFCYjFQ)

[**https://docs.glideapps.com/all/**](https://docs.glideapps.com/all/)

[**https://guides.codepath.com/android/Displaying-Images-with-the-Glide-Library**](https://guides.codepath.com/android/Displaying-Images-with-the-Glide-Library)

[Introduction to Room Persistent Library in Android - GeeksforGeeks](https://www.geeksforgeeks.org/introduction-to-room-persistent-library-in-android/)

[**https://code.tutsplus.com/tutorials/how-to-code-a-navigation-drawer-in-an-android-app--cms-30263**](https://code.tutsplus.com/tutorials/how-to-code-a-navigation-drawer-in-an-android-app--cms-30263)

**Snack Bar / FloatingAction button (adding to the look n feel of your app!)**

<https://developer.android.com/training/appbar>

<https://developer.android.com/guide/topics/ui/floating-action-button>

Refs.

**Google Sheets anyone???**

<https://www.geeksforgeeks.org/how-to-read-data-from-google-spreadsheet-in-android/>

**Working with LogCat**

<https://developer.android.com/studio/debug/am-logcat>

**New LogCat update for Dolphin**

<https://medium.com/@stevdza-san/new-logcat-in-android-studio-dolphin-is-amazing-cce5ffecb07b>

**API reference examples**

[Firebase Cloud Firestore v/s Firebase Realtime Database | by Rahul vyas | Zero Equals False | Medium](https://medium.com/zero-equals-false/firebase-cloud-firestore-v-s-firebase-realtime-database-931d4265d4b0#:~:text=Firebase%20Cloud%20Firestore%20v%2Fs%20Firebase%20Realtime%20Database%201,6%20Security.%20...%207%20Writing%20the%20data.%20)

**FaceBook**

<https://developers.facebook.com/docs/android/>

**Google Maps**

<https://developers.google.com/maps/documentation>

**Chi-Crime**

<https://data.cityofchicago.org/Public-Safety/Crimes-Map/dfnk-7re6>

**CTA transit**

<https://www.transitchicago.com/developers/>

**Kaggle**

<https://www.kaggle.com/datasets>

**Other (Google Assistant)!**

<https://developers.google.com/assistant/app>