Overview **On the Agenda**

🔖 Algorithms **Algorithms Example**

● Untitled Note

🔖 Algorithms **List Algorithms**

● Untitled Note

🔖 Android **Android Studio**

● Note

1. Allocation Tracker.
2. Layout Inspector.

● Optimize Build Speed

developer.android.com/studio/build/optimize-your-build

● Tricks

1. medium.com/@mmbialas/50-android-studio-tips-tricks-resources-you-should-be-

familiar-with-as-an-android-developer-af86e7cf56d2

2. https://medium.com/@ayatzkhraisat/no-more-nullpointerexception-with-the-templates-from-android-studio-36a90e804e38

3. https://medium.com/mindorks/lets-speed-up-your-gradle-build-6c0e401883e2

4. https://proandroiddev.com/various-methods-to-debug-http-traffic-in-the-android-application-8685b9183418

5. riggaroo.co.za/custom-file-templates-android-studio/

6. medium.com/google-developers/about-10-things-you-probably-didn-t-know-you-could-do-in-android-studio-de231071b375

● File Template

● Theme

● Plugin

🗋 Parcelable *github.com/mcharmas/android-parcelable-intellij-plugin* ⭐

🗋 DataTransferObject plugins.jetbrains.com/plugin/7834-dto-generator ⭐

🗋 DPICalculator plugins.jetbrains.com/plugin/7832-android-dpi-calculator

🗋 Compress Image plugins.jetbrains.com/plugin/9788-biu

🗋 String manipulation plugins.jetbrains.com/plugin/2162-string-manipulation ⭐

🗋 GenerateCode Template plugins.jetbrains.com/plugin/8600-exynap ⭐

🗋 AndroidDebugBridge github.com/pbreault/adb-idea ⭐

🗋 Builder plugins.jetbrains.com/plugin/7354-innerbuilder ⭐

🗋 PermissionDispatcher github.com/permissions-dispatcher/permissions-dispatcher-plugin ⭐

JsonToClassKotlin github.com/wuseal/JsonToKotlinClass ⭐

 ColorManager github.com/shiraji/color-manager ⭐

 AndroidConnectWifi github.com/pedrovgs/AndroidWiFiADB ⭐

 ShowDeviceScreen github.com/Genymobile/scrcpy ⭐

 ConvertSvgToVector plugins.jetbrains.com/plugin/8103-svg2vectordrawable

 FastLibraryTesting github.com/cesarferreira/dryrun ⭐

 CheckStyle plugins.jetbrains.com/plugin/1065-checkstyle-idea ⭐

 SpotBugs spotbugs.readthedocs.io/en/stable/introduction.html ⭐

 SonarQube www.sonarqube.org

 SolarQube https://github.com/andyb129/AndroidStudioPluginsNPlay

 SolarLint plugins.jetbrains.com/plugin/7973-sonarlint ⭐

github.com/robohorse/RoboPOJOGenerator ⭐

GitHub - dmytrodanylyk/folding-plugin: Android File Grouping Plugin

GitHub - hsz/idea-gitignore: .ignore support plugin for IntelliJ IDEA ⭐

🟡 Key Shortcut

 View jeroenmols.com/blog/2018/07/16/androidstudioshortcuts3/

 Refactoring jeroenmols.com/blog/2018/04/26/androidstudioshortcuts2/

 Navigation jeroenmols.com/blog/2018/02/22/androidstudioshortcuts/

🔖 Android **Best Practice**

🟡 Optimize Build Gradle

1. No dynamic version dependencies.
2. Parallel execution.
3. Convert .png -> .webP.
4. Cacheable Task: org.gradle.caching = true (in gradle.properties file)

5. Disable multi APK

6. Update latest Gradle Plugin

7. Sync dependecies version.

8. Enable R8.

9. gradle profiler.

● Github Repository

github.com/futurice/android-best-practices

https://github.com/MobileTipsters/android-daily-tips

● Articles

1. android.jlelse.eu/android-development-some-of-the-best-practices-27722c685b6a

2. medium.com/@cesarmcferreira/building-android-apps-30-things-that-experience-made-me-learn-the-hard-way-313680430bf9

3. blog.aritraroy.in/what-my-2-years-of-android-development-have-taught-me-the-hard-way-52b495ba5c51

4. blog.mindorks.com/android-development-best-practices-83c94b027fd3

5. medium.com/mindorks/android-app-performance-optimization-cdccb422e38e

6. auth0.com/blog/best-practices-in-android-development/

7. medium.com/@mrcurious/best-practices-of-socket-io-with-android-9f9cb4eb744e

🔖 Android **Blogs**

● Android Blogs

1. androidweekly.net

2. plus.google.com/communities/105153134372062985968

3. www.toptal.com/developers/blog

4. medium.com/tag/androiddev

5. medium.com/tag/android-app-development

🔖 Android **Coding Covention**

● Manage Dependencies

1. Manage Android dependencies in gradle – Rahul Vishwakarma – Medium

● Commons

1. blog.mindorks.com/android-code-style-and-guidelines-d5f80453d5c7

● Resources

1. medium.com/google-developer-experts/android-strings-xml-things-to-remember-c155025bb8bb
2. medium.com/@june.pravin/dimensions-by-conventions-92b422e2216e

● Organize Sources

1. guides.codepath.com/android/Organizing-your-Source-Files
2. medium.com/@BladeCoder/fixing-ugly-java-apis-read-only-generic-varargs-ee2d2e464ac1

🔖 Android **Common Codes**

● Kotlin

1. kotlinextensions.com

🔖 Android **Developers Followed**

🟡 Android Expert Developers

- [Tweets from @chiuki](#)
- [Tweets from @JakeWharton](#)
- [Tweets from @donnfelker](#)
- [Tweets from @codinginflow](#)
- [Tweets from @kaushikgopal](#)
- [Tweets from @kristinmars](#)
- [Tweets from @crafty](#)
- [Tweets from @retomeier](#)
- [Tweets from @romannurik](#)
- [Tweets from @queencodemonkey](#)
- [Tweets from @riggaroo](#)
- [Tweets from @cyrilmottier](#)

🔖 Android **Documents**

🟡 Free API

1. https://github.com/toddmotto/public-apis#food--drink

🔖 Android **Interview Preparing**

🟡 Untitled Note

🟡 Interview Best Practices

●

1. medium.com/always-be-coding/abc-always-be-coding-d5f8051afce2
2. writing.pupius.co.uk/whiteboarding-4df873dbba2e#.hf6jn45g1
3. www.coderust.com/blog/2014/04/10/effective-whiteboarding-during-programming-interviews/
4. YouTube video (N233T0epWTs)
5. YouTube video (rEJzOhC5ZtQ)
6. YouTube video (aClxtDcdpsQ)
7. YouTube video (YJZCUhxNCv8)

● Questions

1. github.com/MindorksOpenSource/android-interview-questions
2. https://github.com/anitaa1990/Android-Cheat-sheet

🔖 Android **Learning Resources**

● How to be a programmer/developer

1. github.com/jwasham/coding-interview-university
2. github.com/braydie/HowToBeAProgrammer
3. blog.mindorks.com/how-to-be-an-android-expert-a-d-s-002-861bd5754742
4. moducode.com/blog/become-android-developer-fast/
5. A Roadmap To Become A Better Android Developer – MindOrks – Medium
6. www.devsofandroid.com/2018/06/07/interview-with-wolfram-rittmeyer/

● Support Multi Platform & Screen

developer.android.com/training/basics/supporting-devices/platforms

developer.android.com/training/multiscreen/screensizes

● App Performance

blog.mindorks.com/android-app-performance-metrics-a1176334186e

medium.com/mindorks/android-app-performance-optimization-cdccb422e38e

● RxJava/Kotlin

medium.com/@itanbp/replacing-tedious-progressbar-using-rxjava-and-pagedlistadapter-in-android-b60534c6f9dd

● Animations

1. codinginfinite.com/facebook-shimmer-effect-android-example/

● CollapsingToolbar

1. How to animate Collapsing Avatar Toolbar Sample – Sergey B. – Medium

● Lifecycle

1. medium.com/androiddevelopers/the-android-lifecycle-cheat-sheet-part-i-single-activities-e49fd3d202ab

● Launch Modes

1. itnext.io/the-android-launchmode-animated-cheatsheet-6657e5dd9b0f

● Dependency Injection

1. medium.com/@iammert/new-android-injector-with-dagger-2-part-1-8baa60152abe
2. medium.com/@harivigneshjayapalan/dagger-2-for-android-beginners-introduction-be6580cb3edb?source=---------10----------------------

● Bottom Navigation View

android.jlelse.eu/scroll-your-bottom-navigation-view-away-with-10-lines-of-code-346f1ed40e9e

● ViewModel & LiveData

1. medium.com/androiddevelopers/viewmodels-and-livedata-patterns-antipatterns-21efaef74a54

2. medium.com/androiddevelopers/viewmodels-persistence-onsaveinstancestate-restoring-ui-state-and-loaders-fc7cc4a6c090

● Room Database

1. medium.com/androiddevelopers/7-pro-tips-for-room-fbadea4bfbd1

● Debug

1. android.jlelse.eu/add-logs-without-using-code-bd49fe9202ca

● Data Structures

1. android.jlelse.eu/often-ignored-stuff-android-data-structures-ec2efff847ea

● App Architecture

1. proandroiddev.com/mvvm-with-kotlin-android-architecture-components-dagger-2-retrofit-and-rxandroid-1a4ebb38c699

2. proandroiddev.com/clean-architecture-on-android-using-feature-modules-mvvm-view-slices-and-kotlin-e9ed18e64d83

3. blog.mindorks.com/android-mvp-architecture-extension-with-interactors-and-

repositories-bd4b51972339

4. medium.com/dream11-tech-blog/dream11-android-application-architecture-303f04b6b5b2

● TextSpan

1. medium.com/androiddevelopers/spantastic-text-styling-with-spans-17b0c16b4568

● Themes

1. medium.com/@pkjvit/https-medium-com-pkjvit-android-multi-theme-night-mode-and-material-design-c186bf9fd678
2. medium.com/@chrisbanes/appcompat-v23-2-daynight-d10f90c83e94
3. medium.com/@vinitagrawal91/android-colors-and-multiple-themes-fdfca3f75a15
4. www.zoftino.com/extracting-color-codes-from-image-using-android-palette-api

● Concurrency(Thread/Coroutines)

1. proandroiddev.com/android-coroutine-recipes-33467a4302e9
2. kotlinexpertise.com/kotlin-coroutines-concurrency/

● Custom View

1. www.intertech.com/Blog/android-custom-view-tutorial-part-2-custom-attributes-drawing-and-measuring/
2. stackoverflow.com/questions/6355096/how-to-create-edittext-with-crossx-button-at-end-of-it
3. medium.com/@mayuri.k18/android-canvas-for-drawing-and-custom-views-e1a3e90d468b

● RecyclerView

1. android.jlelse.eu/easily-adding-nested-recycler-view-in-android-a7e9f7f04047

2. medium.com/@programmerasi/how-to-implement-load-more-in-recyclerview-3c6358297f4
3. medium.com/@Bineeshpbabu/multiview-recyclerview-df7eeeea9031
4. medium.com/@trionkidnapper/recyclerview-more-animations-with-less-code-using-support-library-listadapter-62e65126acdb
5. proandroiddev.com/recyclerview-pro-tips-part-1-8a291594bafc
    1. proandroiddev.com/diffutil-is-a-must-797502bc1149
6. medium.com/@suhelchakraborty/reel-search-and-layoutmanager-an-android-journey-e2f925c8410f

● Security

1. https://github.com/ashishb/android-security-awesome
2. proandroiddev.com/security-best-practices-symmetric-encryption-with-aes-in-java-and-android-part-2-b3b80e99ad36
3. [Security Best Practices: Symmetric Encryption with AES in Java and Android](#)
4. [Android applications security – part 2 – Skyrise – Medium](#)
5. developer.android.com/topic/security/best-practices

● Resources

1. blog.aritraroy.in/50-ultimate-resources-to-master-android-development-15165d6bc376
2. m.signalvnoise.com/my-favorite-people-and-resources-to-learn-android-programming-from-293f249e2b4e
3. github.com/aritraroy/UltimateAndroidReference
4. medium.com/@pranaypatel/useful-things-for-developers-1-ee6bf0e061
5. android.jlelse.eu/mastering-android-development-skills-with-google-48b437137389
6. android.jlelse.eu/learning-android-development-in-2018-part-1-83a514f6a205
7. android.jlelse.eu/stay-up-to-date-with-android-development-3c769a58f2fa
8. medium.com/@cupertinolabs/best-resources-to-learn-android-programming-at-2018-ec83efbe54a4
9. proandroiddev.com/awesome-list-of-online-tools-for-android-developers-f40af8f46299

10. zen-of-programming.com/start-programming/

11. www.androidtutorialonline.com/ultimate-android-reference/

📑 Android **Note**

● Optimize Android Peformance

– ArrayMap.

– SparseArray.

● RecyclerView

– setHasFixedSize = true IF recyclerview size(width and height) not affected by item size of recyclerview

– use Diff Util with List Adapter

● Saving Instance State

UI State (String, Int, Double…): onSavedInstanceState

Complex Data:

– In Memory + Configuration Change: View Model

– Else: Database + SharePreferences

● Coroutines

proandroiddev.com/coroutines-for-android-6f9b9f966056

● Sharing Content

YouTube video (h9TunRURWNU)

● Search View + Search Configuration + SingleT…

YouTube video (9OWmnYPX1uc)

● Responsive UI

medium.com/androiddevelopers/building-a-responsive-ui-in-android-7dc7e4efcbb3

● Layout, Atributes

medium.com/androiddevelopers/layouts-attributes-and-you-9e5a4b4fe32c

● Strict Mode

🔖 Android **Open Source Project**

● Open Sources

blog.aritraroy.in/20-awesome-open-source-android-apps-to-boost-your-development-skills-b62832cf0fa4

https://f-droid.org/packages/org.secuso.privacyfriendlyweather/

https://github.com/DroidKaigi/conference-app-2018

https://blog.mindorks.com/android-amazing-open-source-apps-e44f520593cc

🔖 Android **Project Template**

🟡 Untitled Note

🔖 Android **TaskTODO**

🟡 Learn Android (Sorted)

1. Handle configuration changes
2. Broadcast receiver
3. Service
4. Task and Back stack
5. REST & HTTP
6. Array map & Sparse Array
7. Architecture Components
8. Debug App
9. Animations
10. Retrofit
11. Glide
12. Gson/Moshi
13. Bitmaps
14. Rxjava
15. Security
16. Custom View
17. Content provider
18. Optimize App Size
19. Thread in Android
20. Handler, Looper. HandlerThread

21. App Permance Metrics

22. Performance patterns

23. Cache Implementation

24. Testing

25. Optimize Network Request

26. Locatio & Map

27. Sensors, GPS, Acceleration

28. Battery Improvement

29. Proguard

30. Gradle Build Tools

31. Continuous Intergration

● Personal Project

– MyMovie2019

🔖 Android **Third Party Libraries**

● Sensor & Gesture

github.com/nisrulz/sensey

● PhoneNumberUtil

github.com/googlei18n/libphonenumber

● Permission

github.com/googlesamples/easypermissions

github.com/permissions-dispatcher/PermissionsDispatcher

● CropImage

github.com/Yalantis/uCrop

● CodeUtils

github.com/Blankj/AndroidUtilCode/blob/master/utilcode/README.md

● Themes

github.com/afollestad/aesthetic

● Calendar View

1. github.com/CleverPumpkin/CrunchyCalendar
2. github.com/Applandeo/Material-Calendar-View

● TapTargetView

github.com/KeepSafe/TapTargetView

● Navigation Drawer

github.com/mikepenz/MaterialDrawer

● Dialogs

1. github.com/afollestad/material-dialogs
2. github.com/orhanobut/dialogplus

● Media Player

github.com/google/ExoPlayer

● RecyclerView

`📄 AutoBindingKotlin` : kotlinlang.org/docs/tutorials/android-plugin.html

`📄 FastAdapter` : github.com/mikepenz/FastAdapter

`📄 Template` : github.com/TakeoffAndroid/RecyclerViewTemplate

`📄 SwipeAction` : medium.com/default-to-open/introducing-covert-db885b22f36d

● ImageView

1. github.com/hdodenhof/CircleImageView
2. github.com/davemorrissey/subsampling-scale-image-view
3. github.com/chrisbanes/PhotoView

● Material Components

github.com/material-components/material-components-android/blob/master/docs/getting-started.md

● Architecture Components

Live Data, View Model, Lifecycle aware: developer.android.com/topic/libraries/architecture/adding-components#lifecycle

Navigation Component: developer.android.com/topic/libraries/architecture/adding-components#navigation

Paging Library:developer.android.com/topic/libraries/architecture/adding-components#paging

● Animations

1. Lottie : github.com/airbnb/lottie-android

ShimmerAffect : github.com/team-supercharge/ShimmerLayout
1. medium.com/mindorks/android-design-shimmer-effect-fa7f74c68a93

● Schedule Tasks

1. WorkManager : developer.android.com/topic/libraries/architecture/adding-components#workmanager
2. AndroidJob : github.com/evernote/android-job
3. AlarmManager : developer.android.com/training/scheduling/alarms

● Charts

github.com/PhilJay/MPAndroidChart

●

● Dependency Injection

1. Dagger2 : github.com/google/dagger

● Debug Tools

1. `🔲 Timber` : github.com/JakeWharton/timber (Logging)
2. `🔲 Database` : github.com/amitshekhariitbhu/Android-Debug-Database
   (Database)
   1. `🔲 MemoryLeak` : github.com/square/leakcanary
3. `🔲 Stetho` : github.com/facebook/stetho
4. `🔲 CrashReporting` : firebase.google.com/docs/crash/

● Local Database

1. SQLite/Room: developer.android.com/topic/libraries/architecture/adding-components#room

2. Object Box: docs.objectbox.io/getting-started

● Image Processing

github.com/wasabeef/glide-transformations

● Image Loading

⬛ Glide github.com/bumptech/glide

● Handle Background Thread

⬛ Rxjava github.com/ReactiveX/RxJava / https://github.com/ReactiveX/RxKotlin

⬛ RxAndroid github.com/ReactiveX/RxAndroid

⬛ Coroutines github.com/Kotlin/kotlinx.coroutines

● Networking

⬛ Retrofit square.github.io/retrofit/

⬛ ParseJson github.com/google/gson

⬛ ParseJson github.com/square/moshi

⬛ NetworkChecking : github.com/pwittchen/ReactiveNetwork/issues

● Commons

1. medium.freecodecamp.com/25-new-android-libraries-which-you-definitely-want-to-try-at-the-beginning-of-2017-45878d5408c0

2. https://github.com/codepath/android_guides/wiki/Must-Have-libraries

3. medium.freecodecamp.com/30-new-android-libraries-released-in-the-spring-of-2017-which-deserve-your-attention-faea359a1915

4. blog.mindorks.com/awesome-android-open-source-libraries-56a008c776c0

5. github.com/wasabeef/awesome-android-ui

6. github.com/lightSky/Awesome-MaterialDesign

7. medium.com/@iagofucolo/android-retrospective-2017-libs-and-repositories-c0a2b4069d8a

8. proandroiddev.com/25-new-android-libraries-and-projects-to-check-at-the-beginning-of-2018-ba3b422bbbb4

9. www.kunshtech.com/Blog/Post/2018/9/27/awesome-android-libraries-that-developers-should-checkout-in-2018

🔖 Android **Videos**

● Animations

YouTube video (N_x7SV3I3P0) 16:04

● Coroutines

https://www.youtube.com/watch?v=a3agLJQ6vt8&list=PLQ176FUIyIUbVvFMqDc2jhxS-t562uytr&index=40 8:08

● Architecture

1. YouTube video (JSpDZJzndbQ)

● Performance Patterns

YouTube video (qk5F6Bxqhr4)

● Development Patterns

YouTube video (hi5R0gq9tdA)

● Testing Patterns

YouTube video (W8LJjfkTKik)

● Videos

`☐ AndroidDeveloper` www.youtube.com/channel/UCVHFbqXqoYvEWM1Ddxl0QDg

`☐ DroidconKaigi2018` Droidcon Kaigi 2018

`☐ DroidconSF` www.youtube.com/channel/UCKubKoe1CBw_-n_GXetEQbg

`☐ Mindork` www.youtube.com/channel/UCocBChVv7HPx0g5SbnOUv7w

`☐ AndroidMakers` www.youtube.com/channel/UCkatLlah5weIpN23LqMgdTg

`☐ AndroidDialogs` www.youtube.com/channel/UCMEmNnHT69aZuaOrE-dF6ug

`☐ DroidconNYC` www.youtube.com/channel/UCSLXy31j2Z0sdDeeAX5JpPw

`☐ DroidconBerlin` www.youtube.com/channel/UCF4O2pQ8vBV8YmSAWb5QRPw

`☐ CodingInFlow` www.youtube.com/channel/UC_Fh8kvtkVPkeihBs42jGcA

`☐ Andev360` 360andev.com/session-recordings/

`☐ DroidconLodon` skillsmatter.com

🚩 Android **Vocabulary**

● Vocabularies

developers.google.com/android/for-all/vocab-words/

🚩 Books **Career**

● Untitled Note

● Commons

1. github.com/EbookFoundation/free-programming-books/blob/master/free-programming-books.md
2. gist.github.com/augbog/d65f6600188fece854cb341734c5fd12
3. github.com/cassiodias/influential-cs-books
4. www.dev-books.com
5. dev.to/bosepchuk/29-must-read-programming-books-2n45
6. goalkicker.com

📑 Books **Progress**

● The Pragmatic Programmer

Using Test Harnesses

● Head First Design Pattern

Allowing the subclasses to decide - page 121

● Code Complete

Logical cohesion - page 170

🔖 Books **Soft Skill**

● Untitled Note

🔖 Design Pattern **Pattern Example**

● Singleton

1. Lazy Initialize:
2. Eager:
3. Synchonized getInstance method

🔖 Design Pattern **Pattern List**

● Creational Pattern

1. Singleton ⭐
2. Factory Method/Abstract Factory ⭐
3. Builder
4. Prototype

● Behavioral Patttern

1. Observe
2. Command
3. Strategy
4. State
5. Template Method
6. Visitor
7. Interpreter
8. Iterator
9. Mediator
10. Mementor

● Struture Pattern

1. Adapter
2. Facade
3. Bridge
4. Composite
5. Decorator
6. Flyweight
7. Proxy

🔖 Git   **Common Commands**

● discard change in working tree

git checkout –<file_name>

● unstage file

git reset HEAD <file_name>

git reset --<file_name>

• undo commit

git reset –hard master => move Head point to master branch

git reset –hard HEAD^ => HEAD back to previous commit

git reset –hard HEAD~3 => HEAD back to 3 commit

• Git Cheat Sheet

rubygarage.org/blog/most-basic-git-commands-with-examples

🔖 Kotlin/Java **Coding Convention**

• Untitled Note

🔖 Kotlin/Java **Documents**

• Java Videos

www.edx.org/course/software-construction-java-mitx-6-005-1x

see.stanford.edu/Course/CS106A

● Function

1. kotlinexpertise.com/coping-with-kotlins-scope-functions/
2. medium.com/@desaismital/understanding-suspending-functions-in-kotlin-3aae4bfd9991

● Kotlin Learning Resources

1. github.com/KotlinBy/awesome-kotlin
2. kotlin.link
3. superkotlin.com/resources-learn-kotlin/

🔖 Learn English **Resources**

● How to learn English

www.facebook.com/photo.php?fbid=1685947168363063&set=a.1392164454408004&type=3&theater

www.facebook.com/trantrinhtuongSE/videos/1672218003069313/ 46: 24

🔖 Learn English **Tasks**

● Learn Spoken (20 mins)

– Watch master spoken english

● Listening (20 mins)

- ●

  - – Friends movie
  - – English videos

- ● Learn vocabulary (20 mins)

  - – memrise.com - review and 30 words

🔖 MyGoal **English**

- ● Research How to Learn English (20 min)

  - – Watch Video About How to Learn English.

- ● Practice Listening (20 min)

  - – Listen to English Video like Movies, Youtube…

- ● Learn Vocabulary (20min)

  - – 30 new words per day

🔖 MyGoal **Programming**

- ● Most Popular Android Library

  1. Glide
  2. Retrofit
  3. OkHttp
  4. Gson/Moshi

5. ThreeTenABP

6. Timber

7. RxJava/RxKotlin

8. Realm

● Android

- Live Data, View Model. ⭐
- Saving State. ⭐
- Room Database. ⭐
- Navigation Component. ⭐
- Lifecycle Aware. ⭐
- Work Manager. ⭐
- Content Provider.
- Service.
- Array Map, Sparse Array.
- Performance Metrics.
- Caching Implementation.
- Optimize network request.
- Sensors, Motion, GPS.
- Location, Map.
- Custom View.
- Garbage Collection Android.

● Programming Language (OOP)

- Collections
- Generics
- Random Numbers

- Date and Time API

- Number Format

- Regular Expressions

-

-

  Annotation

- Concurrency (Thread/)

Source Control (GIT)

- Add, Commit, Push.

- Checkout.

- Clone.

- Revisions.

- Branching.

- Merging.

- Git cherrypick

- Conflicts.

- Git rebase.

- Git stash.

- Git commit amend.

- Git blame.

Structure Code

- Read Book Code Complete.

- Read Working with Legacy Code

Database

- Install & Setup
- Database Schema
- Data Type
- Key/Constraint
- Relationship.
- Query/Insert/Update/Delete/Join.
- Indexes.
- Migrations.
- Security.
- TodoList App Android (SQLite)

Algorithm & Data Structure

- Book Data Structure & Algorithm In Java

Testing

- Test Driven Development.

Methodologies

- Waterfall
- Scrum

Build And Deploy App

- Gradle
- Google Play (App Bundle, Dynamic Feature..)

🚩 MyProject **Untitled**

● Untitled Note

🔖 Special Note **MyPasswords**

● Bitbucket

Account: os_trungna

Pass: 123123a@

● Github

Account: nguyenanhtrung2495@gmail.com

Pass: nguyenanhtrung2495

● Twitter

Account: sinhtolocda2003@gmail.com

- Pass: trung123

● VT Mac

pass: nguyenanhtrung2495

● MacbookPro

pass: bbbbbbbbb

● Udacity

Account: sinhtolocda2003@gmail.com

Pass: trung123

● Trello

Account: nguyenanhtrung2495@gmail.com

- Pass: trung123

● Gmail

Account: nguyenanhtrung2495

Pass: trung2428

● Facebook

Account: onl_ma_0_gap_em_la_bye_2002@yahoo.com

Pass: trung2428

Account: nguyenanhtrung2495@gmail.com

Pass: trung123

🔖 TaskManagement **Task List**

● Learn Database (1 hour)

SQL Database + Android Project

🔖 TaskManagement **Task Priority**

● Important

🔖 Important

🔖 TaskManagement **Task Todo**

● Daily

○ Learn English

○ My Android Project

○ Learn Git

○ Learn Design Pattern

○ Learn Algorithms

○ Read Books

○ Learn Android Frameworks

🔖 TimeManagement **Tools**

● TimeProgramming

1. wakatime.com/features

● Notes for Initial Planning Meeting

- I have been assigned the task of building Yak App
- Will be an ordering app for delivery, and for use in our high-altitude restaurants
- Needs to be ready for our grand opening at Everest Base Camp
- Peta, our marketing guru, suggested we launch by delivering the first meals on real Yaks! Will be great for press. (Great idea. So clever.)
- Tom said we could organize the World's longest Conga line. 🙄
- Lots of open questions. Eg. for server
    - Where do we host the server?
    - Which Database should we use?
    - Which server language and framework?
        - Quite excited to try Swift
        - We can have Swift on server and client apps
- Need to outsource iOS and Android development
- Have planned a meeting with a team of developers (Momenta B.V.)

Other Projects **Learn English**

● Untitled Note

Other Projects **Programming**

● Untitled Note

- Untitled Note

- Untitled Note

- Untitled Note

● Why Agenda?

Agenda's unique timeline approach to note taking gives your projects the momentum they need. While other apps focus specifically on the past, present, or future, Agenda is the only notes app that keeps track of each in a single timeline.

Notes to plan for the future move over time into the present, providing a clear picture of what needs to be done today, before drifting into the past as a permanent record of decisions made and tasks undertaken. Agenda gives you a complete picture of past, present and future, driving your projects forward.

Agenda borrows elements from many application categories – note taking, task management, calendar – combining them into a completely new approach to managing your projects.

It's a task manager that does not forget the items you check off;

it's a journal that knows what is around the corner;

it's a calendar that allows you to take detailed notes;

and a powerful notetaker that can attach events.

Agenda is all of those things, but it is really in a category all its own, there to assist you in getting the most out of each and every project, no matter how big or small.