

Android Way to Pro


Roadmap 2019





Ana Coimbra

Android developer lead @Kobe

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Diogo Cabral

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 *@drcabrales*

 *@drcabral*

Grande parte das boas iniciativas...

...Tem um toque de Twitter

Diogo Cabral @DrCabrales · Jan 2

Estou me aprofundando mais em temas referentes a desenvolvimento mobile (Android) e me bateu a curiosidade se possuímos esse tipo de conteúdo que a galera do desenvolvimento web elabora e mantém atualizado.

github.com/kamranahmedse/...

Cês sabem?

cc: @walmircarvalho, @nglauber

Translate Tweet

WEB DEVELOPER ROADMAP - 2019

kamranahmedse/developer-roadmap

Roadmap to becoming a web developer in 2019. Contribute to kamranahmedse/developer-roadmap development by creating an accoun...
github.com

3 replies

Diogo Cabral @DrCabrales · Jan 2

Caso não conheçam algo nesse sentido, estou pensando em fazer umas pesquisas e elaborar esse tipo de material, acho que vai auxiliar a galera que entra no meio!

Translate Tweet

Ana Coimbra @anacoimbrag · Jan 2

Replying to @DrCabrales @twitterdoari

Opa, no momento não to lembrando não mas super topo entrar/ajudar nesse projeto!!

Translate Tweet

1 reply 1 like

Diogo Cabral @DrCabrales · Jan 2

Vamos conversar sobre!

Translate Tweet

1 reply 1 like

Ana Coimbra @anacoimbrag · Jan 2

Vamos sim! Amanhã te mando o link da documentação que começamos

Translate Tweet

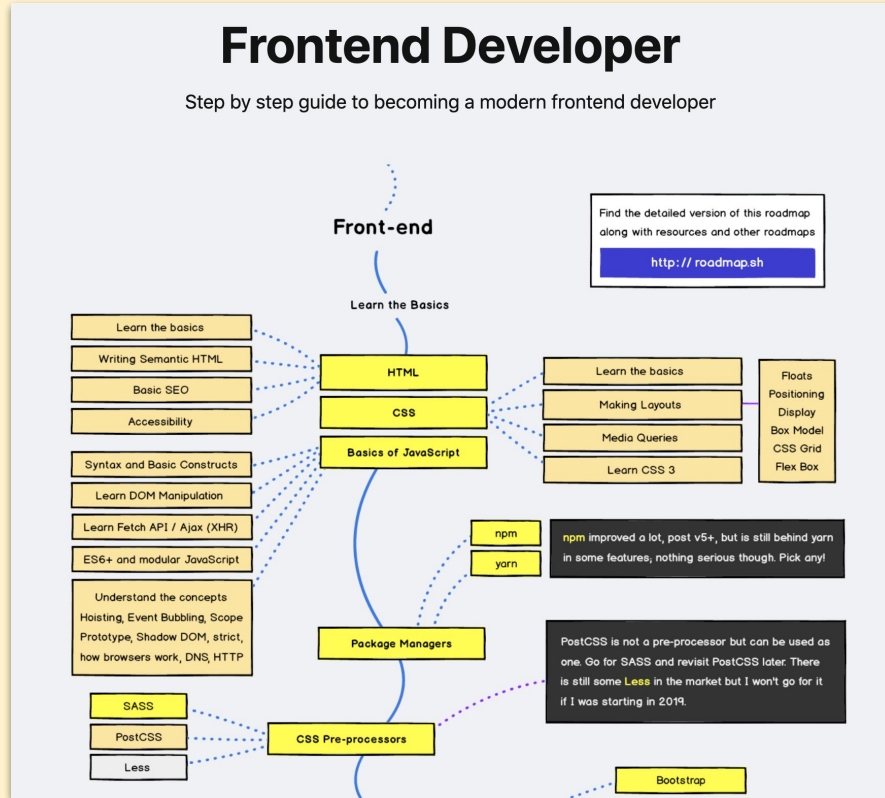
1 reply 1 like

Diogo Cabral @DrCabrales · Jan 3

Show! Vamos fazer!

1 like

A referência: *Web developer roadmap*



<https://github.com/kamranahmedse/developer-roadmap>

O objetivo: *Para que um roadmap de Android?*

Ter uma sugestão de caminho de aprendizado da plataforma

Apresentar os tópicos em alta

Gerar discussões e reflexões sobre sugestão de ferramentas

O processo: *Coletando dados da comunidade*

← Android Developer Roadmap 2019 🏠 ☆

SEND 👤

QUESTIONS RESPONSES 112

Avalie o nível necessário para o domínio de cada tópico / Evaluate the necessary level for the fully understanding of each topic

	Iniciante / Beginner	Intermediário / Inter...	Avançado / Advanced	Não sei / Not sure
Linguagem / Languag...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Injeção de dependênc...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Programação reativa ...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arquitetura de código ...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ciclo de vida da Activi...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Intent	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Context	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custom Views	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Componentes de Inter...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UI Layouts (LinearLay...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

+

Tt

🖼️

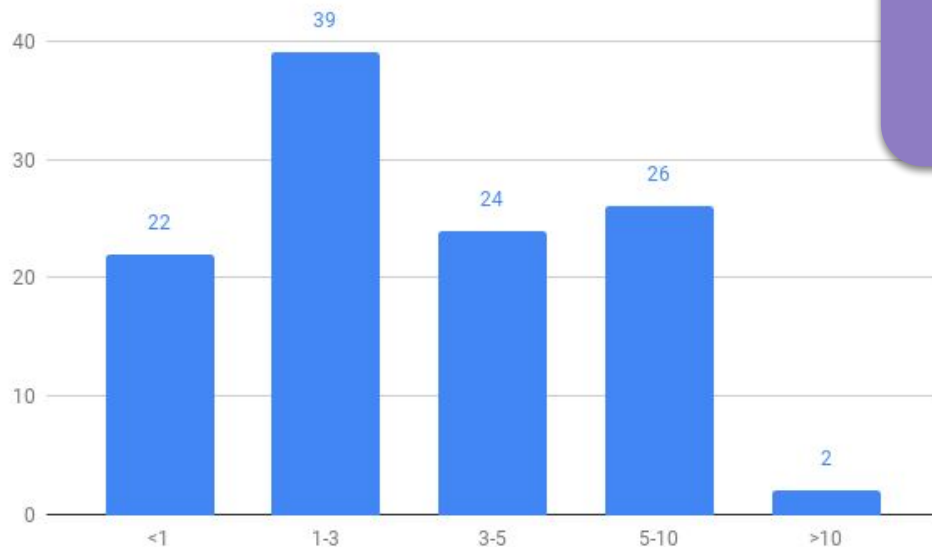
▶️

☰

?

O processo: *Coletando dados da comunidade*

Tempo de experiência com desenvolvimento Android



9 Países
diferentes

+50
cidades

- 112 respostas
- Brasil, China, Índia, EUA, Alemanha, Espanha, Singapura, Irlanda, Peru

O processo: *Coletando dados da comunidade*

Todas as pessoas indicaram que seria ótimo ter esse tipo de conteúdo

"Seria interessante, como a quantidade de conteúdo disponível para android é muito grande, as vezes fico perdido em saber o é necessário estudar para melhorar minhas habilidades como desenvolvedor."

O roadmap: *Pela comunidade, para a comunidade*

README.md

Android Developer Roadmap 2019

contributors 3

Para a versão em português, [clique aqui](#)

Based on the [Developer Roadmap](#) that help web developers with a path of what to learn on this extense area, we developed the Android Developer Roadmap with the same goal.

We hope that with this roadmap new developers find it easier to start building beautiful android applications.

Android Roadmap

Android Developer Roadmap 2019

```
graph LR; AS[Android Studio] --- PL[Programming Language]; AS --- AM[App Manifest]; PL --- Kotlin; PL --- Java; PL --- XML; AM --- DB[Data Backup]; AM --- P[Permissions]; AM --- AC[App Components]; AC --- Activity; AC --- Fragment; AC --- BR[Broadcast Receiver]; AC --- Service; AC --- Intent; Activity --- AL[Activity Lifecycle]; Activity --- TB[Tasks & Backstack]; Activity --- Activity; Fragment --- FM[Fragment Manager]; Fragment --- FT[Fragment Transaction]; Fragment --- FL[Fragment Lifecycle]; Fragment --- Fragment; BR --- Notifications; BR --- IS[Intent Service]; BR --- NC[Notification Channels]; Service --- IF[Intent Filters]; Service --- II[Implicit Intents]; Service --- EI[Explicit Intents]; Intent --- Intent; Kotlin --- Note1[After Google IO 2019 Kotlin is the preferred and official language for Android.]; P --- Note2[Pay attention to real-time permissions that sometimes is necessary.];
```

Debugger
CPU Profiler
Emulator
SDK Manager
Android Debug Bridge
Android SDK

App Manifest

App Components

Activity

Fragment

Broadcast Receiver

Service

Intent

Notifications

Intent Service

Notification Channels

Intent Filters

Implicit Intents

Explicit Intents

Kotlin

Java

XML

After Google IO 2019 Kotlin is the preferred and official language for Android.

Pay attention to real-time permissions that sometimes is necessary.

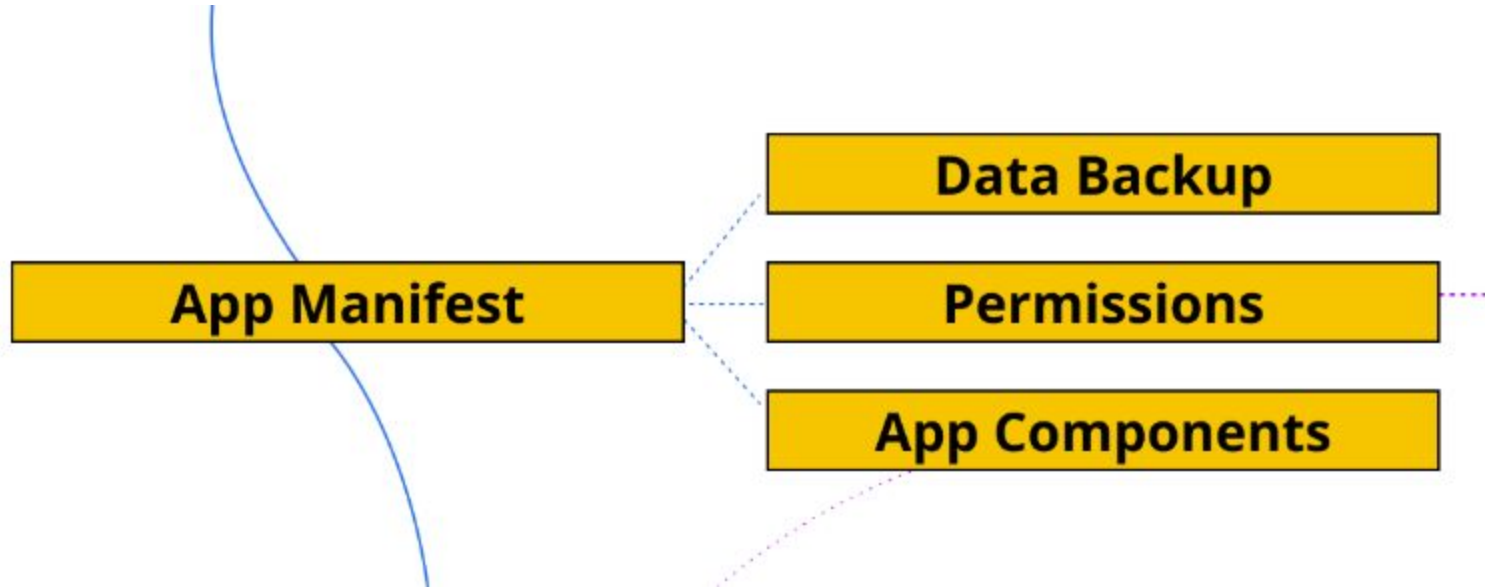
<https://github.com/anacoimbraq/android-developer-roadmap>

O roadmap: *Pela comunidade, para a comunidade*

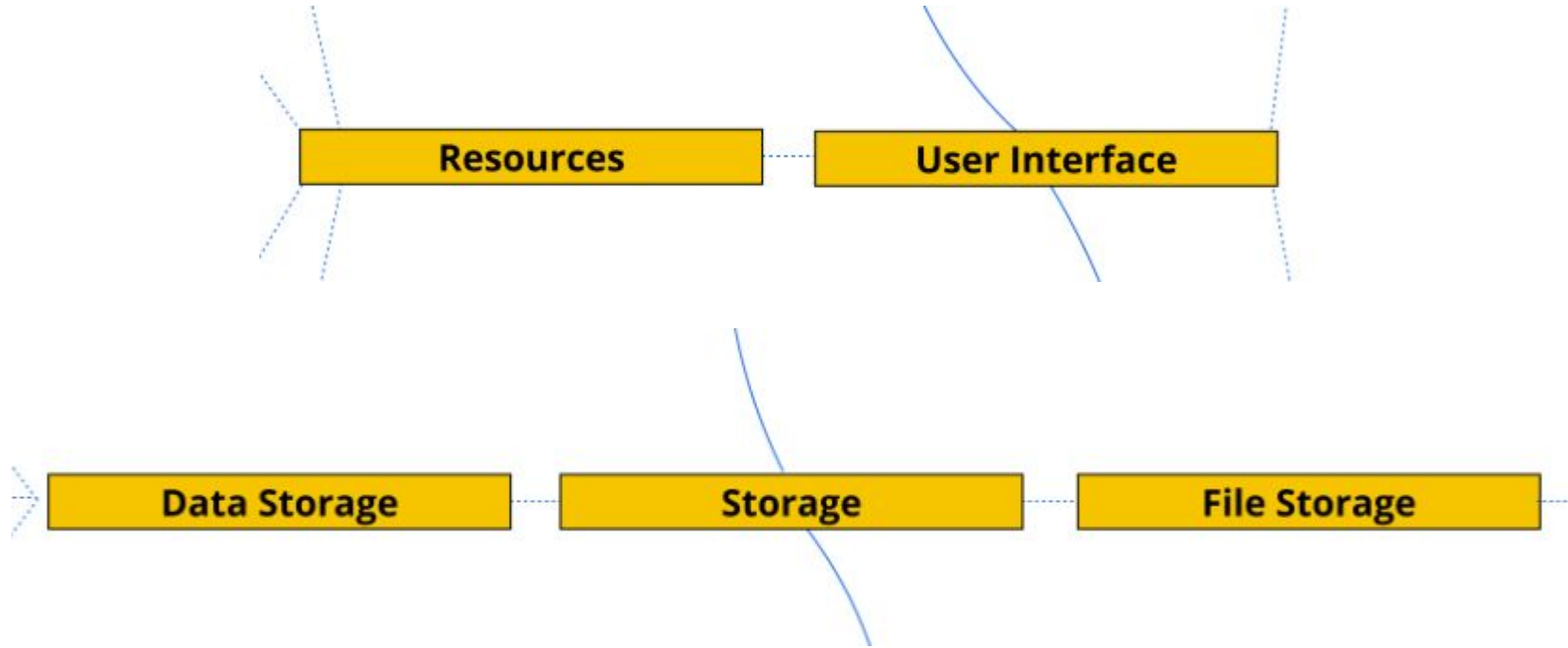


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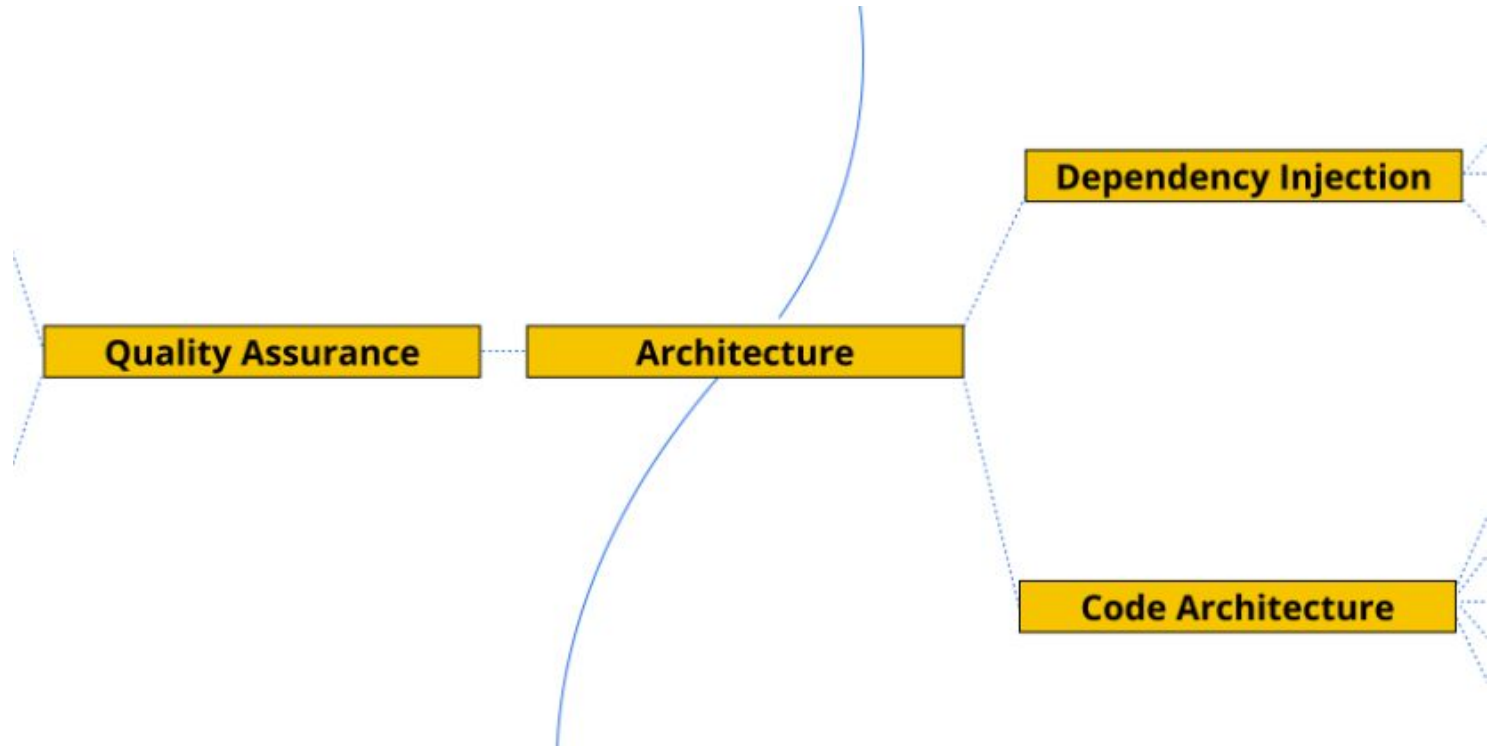


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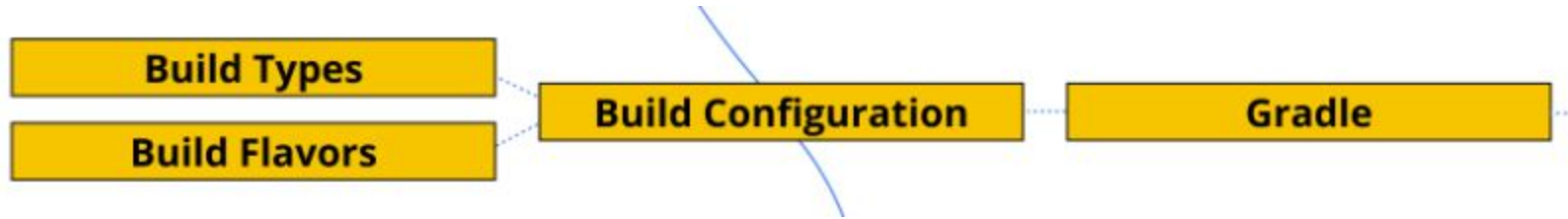


<https://github.com/anacoimbra/android-developer-roadmap>

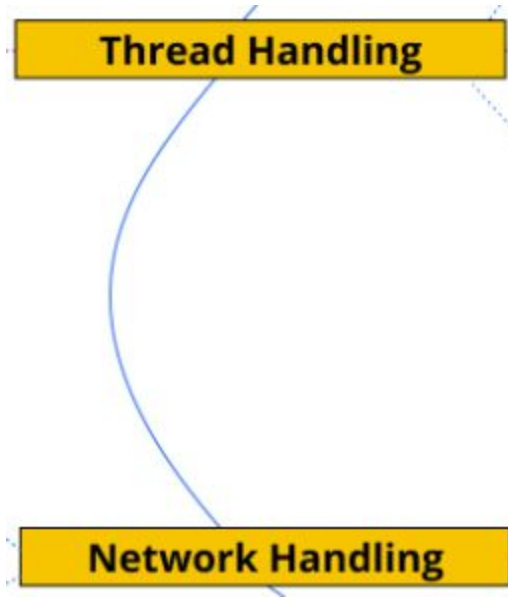
O roadmap: *Pela comunidade, para a comunidade*



O roadmap: *Pela comunidade, para a comunidade*

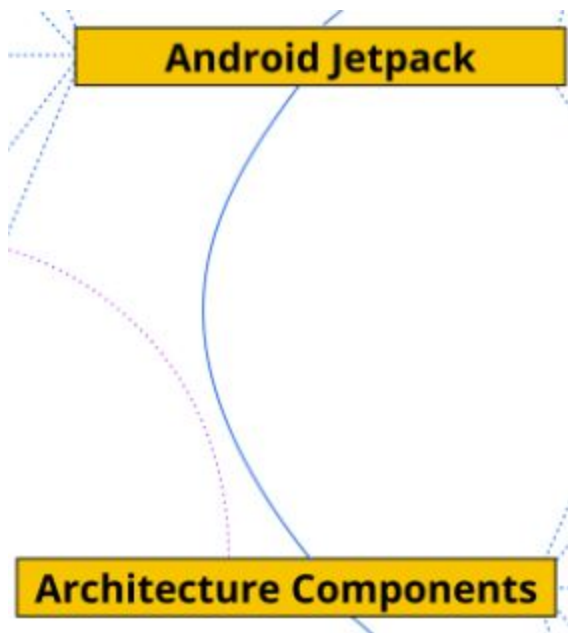


O roadmap: *Pela comunidade, para a comunidade*



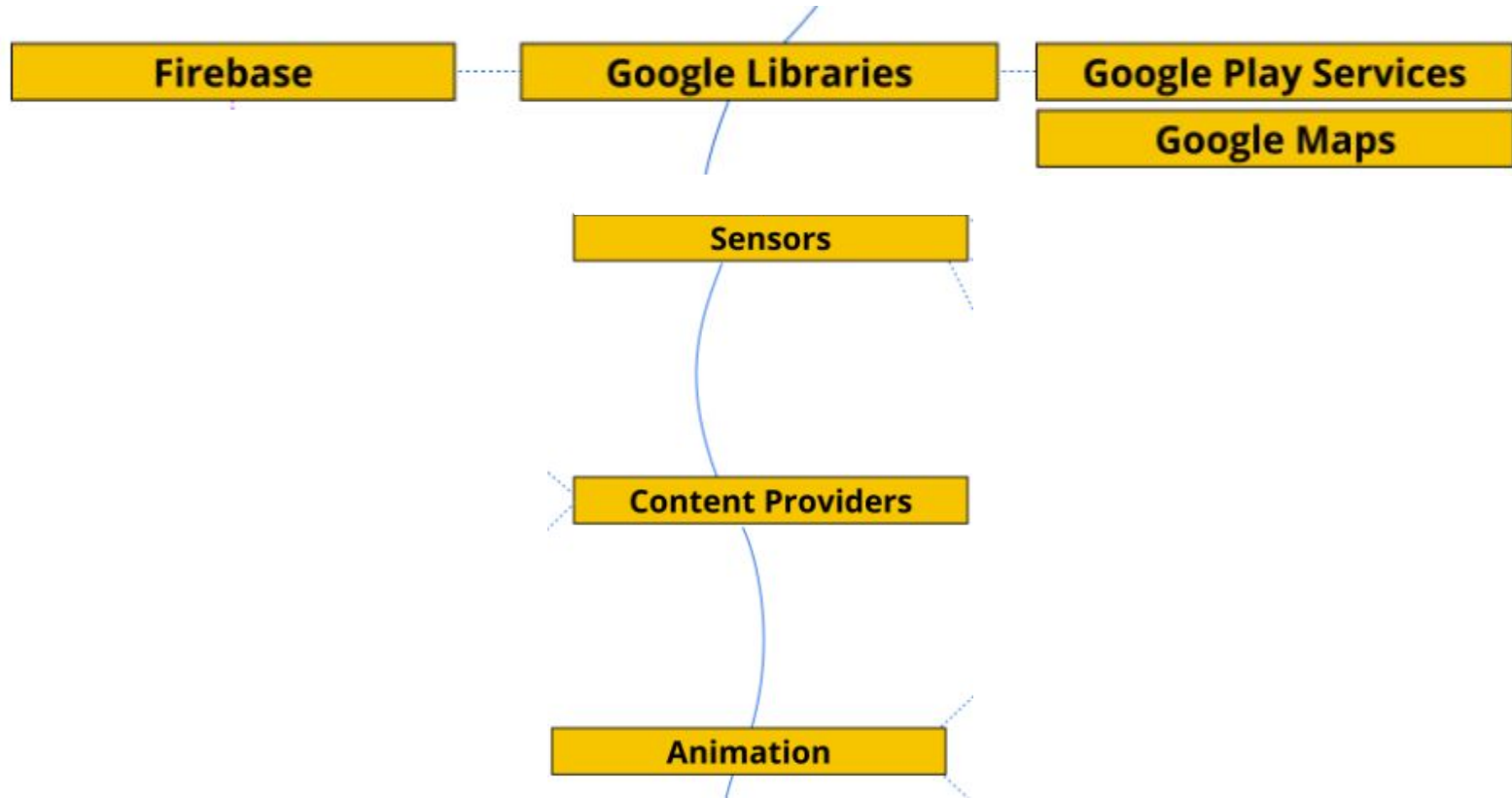
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O roadmap: *Pela comunidade, para a comunidade*



O roadmap: *Pela comunidade, para a comunidade*

Como contribuir?

The image shows a GitHub repository page for a roadmap project. At the top, there are filters for 'is:issue is:open' and 'Labels 8'. Below this, a list of issues is displayed, each with a checkbox, a status icon (info or warning), a title, and a label 'enhancement'. The issues are:

- #21: [Suggestion] Change XML from "Programming Languages" (opened 4 days ago by brunogabriel)
- #19: Improve json converters in the roadmap (opened 7 days ago by worm69)
- #18: Improve tests section in the roadmap (opened 8 days ago by drcabral)
- #17: Include a series of articles/courses (opened 9 days ago by AhmedAshour)
- #9: [Suggestion] Include "Clean Architecture" (opened 14 days ago by andproger)
- #3: Hierarchy to distinguish between `should-know` vs `nice-to-know` (opened 15 days ago by namclu)

On the right side, a comment thread is visible. It shows a comment by 'namclu' (15 days ago) suggesting a hierarchy for identifying what users should know vs. nice-to-know vs. experimental-phase. This is followed by a response from 'drcabral' (15 days ago), who is a collaborator, thanking the user and stating that the suggestion will be discussed and a PR will be returned soon. Below this, 'drcabral' added the 'enhancement' label. Finally, a comment by 'TWiStErRob' (14 days ago), who is a contributor, suggests that slight alpha/dimming could be enough and doesn't necessarily need to change the structure.

O roadmap: *Pela comunidade, para a comunidade*

Como contribuir?



Android Developer Roadmap 2019

After Google IO 2019 Kotlin is the preferred and official language for Android.

App architecture is fast-time performance that sometimes is necessary.

There is other layouts like LinearLayout and GridLayout. We recommend to use RecyclerView and it can replace both.

Even though Toasts are still available, we prefered to use display briefly transient messages to the user in the Snackbar.

Layers Assets Page 1

Pages +
✓ Page 1

Group 2

Design Prototype Code

Background
E5E5E5 100%

Local Styles
To create a style, select a layer and click on the style icon in the inspector panel.

Export +

Os feedbacks: *Como o projeto tem sido recebido?*

ANDROID WEEKLY #1000

May 26, 2019

Migrating to Gradle Kotlin DSL - Extensions

While migrating a real-life project's Gradle build from Groovy to Kotlin, I collected some useful recommendations, code snippets and tips.

Android Developer Roadmap 2019 (github.com)

Ana Coimbra and Diogo Cabral have created this charming roadmap to help you take as you progress through your Android development journey.

Seamless Android app launch animations using Lottie

(arunkumar.dev)

In this article, Arunkumar Sampathkumar shows how to create seamless launch animations explored in context of animations.



Jag Saund

@jagsaund

This is amazing!

Whether you're just starting out or are an experienced developer, this provides an incredible perspective and a different developer path. Thanks @anacoimbrag



anacoimbrag/android-developer-roadmap

Android Developer Roadmap 2019. Contribute to anacoimbrag/android-developer-roadmap development by creating an account on GitHub.

github.com

1:19 PM - 26 May 2019

Following

GitHub, Inc. [US] | https://github.com/trending

- synox / youtube-dl-interactive** ★ Star
Interactively select the quality and format for youtube-dl
JavaScript ★ 819 🍴 25 Built by [avatars] ★ 314 stars today
- TheAlgorithms / Python** ★ Star
All Algorithms implemented in Python
Python ★ 43,596 🍴 12,000 Unwatch ▾ 55 ★ Star 1,118 Fork 109
- anacoimbrag / android-developer-roadmap** ★ Unstar
Android Developer Roadmap 2019
★ 777 🍴 72 Built by [avatars] ★ 285 stars today
- bluebill1049 / react-simple-animate** ★ Star
React UI animation made easy
TypeScript ★ 824 🍴 22 Built by [avatars] ★ 293 stars today

Por fim: *Pontos que merecem atenção!*

O roadmap não mostra um caminho único e rígido sobre como estudar e aprender!

O roadmap não é uma verdade absoluta que não pode ser questionada!

O roadmap pode não ser sempre um mapa completo, contendo todas as informações atualizadas!





Belo Horizonte

<https://androidfest.gdg.bhz.br/>




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Android Roadmap 2019

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android-developer-roadmap](https://github.com/anacoimbrag/android-developer-roadmap)