



# 15 things i learned switching from ios to android development

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CHICAGO ROBOTO 2022

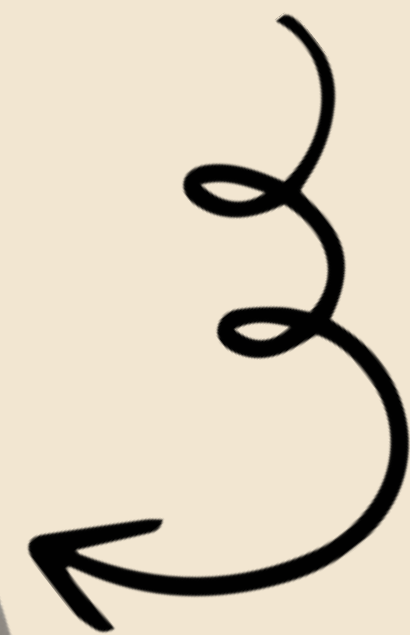
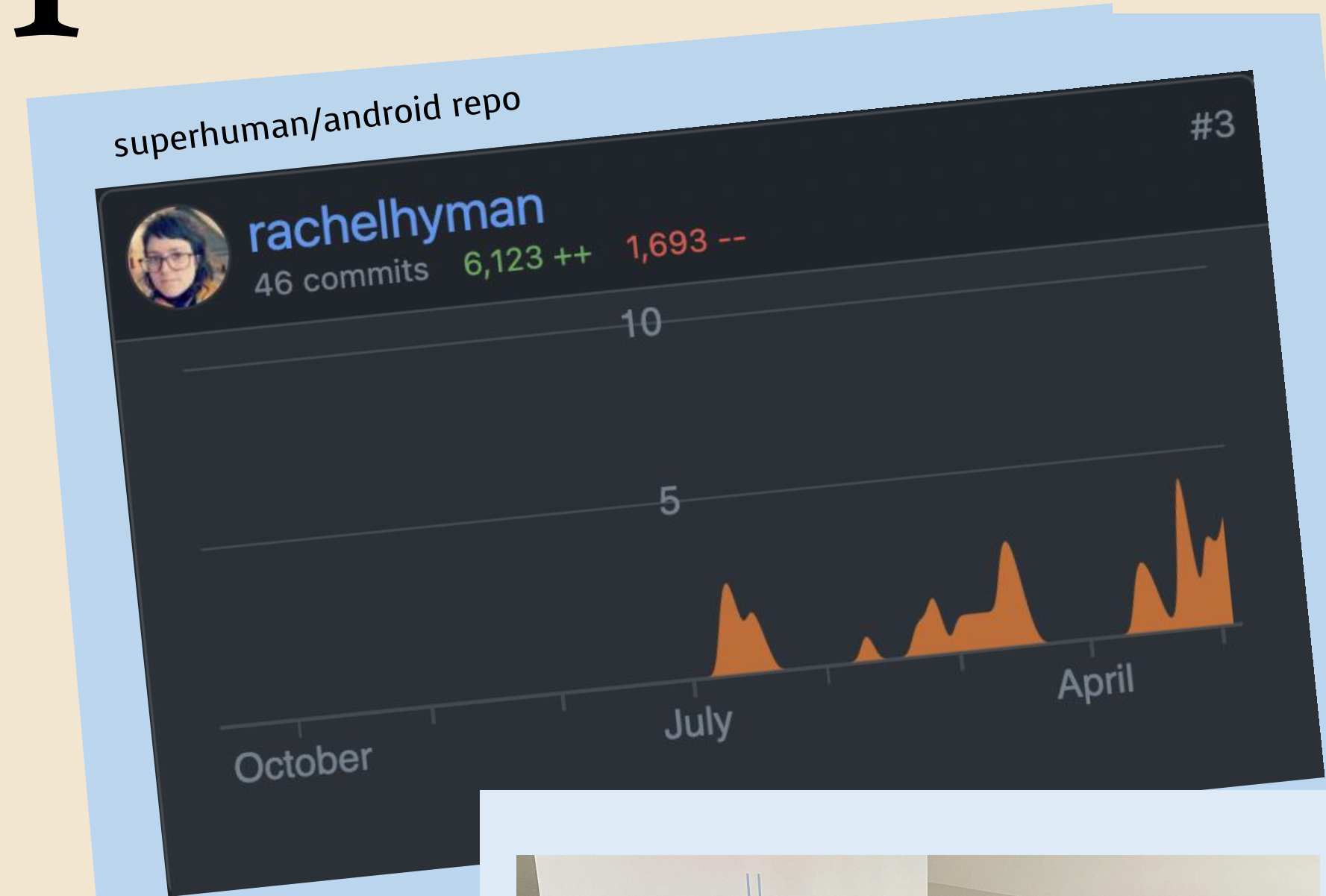




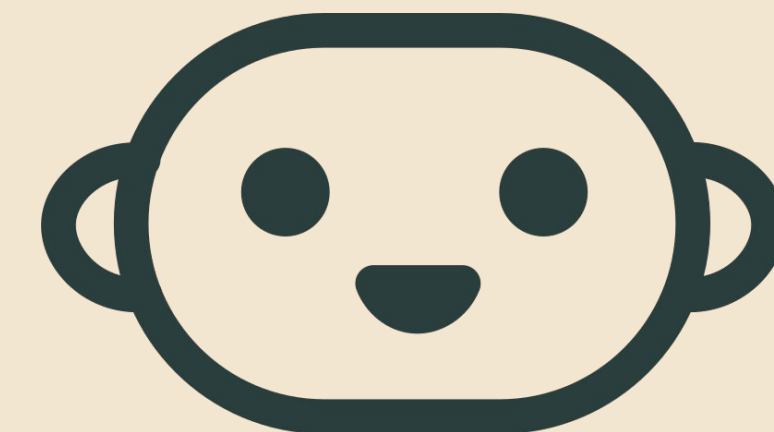
## INTRODUCTION



# how did i get from here....



# to here?





01 TECHNICAL LEARNINGS

02 PROCESS LEARNINGS

03 PERSONAL LEARNINGS

04 SO NOW WHAT?

# Agenda

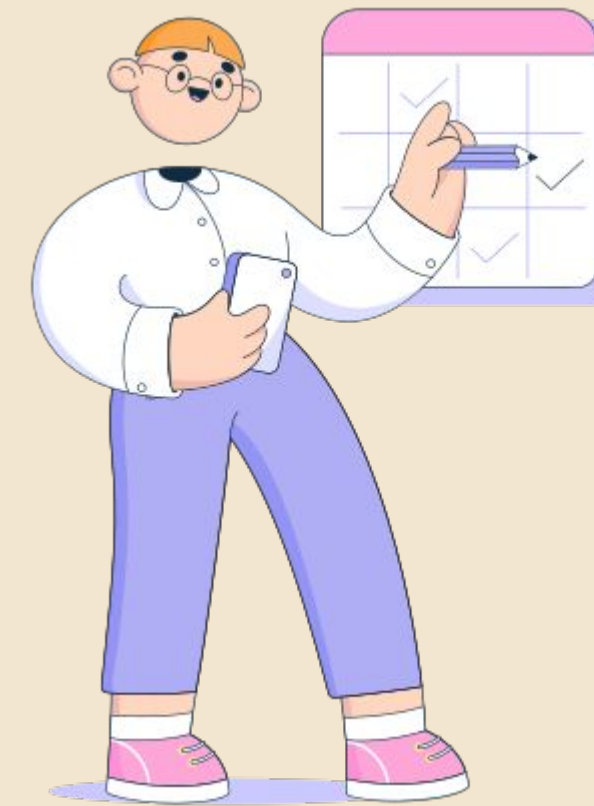


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PART ONE

# Technical Learnings

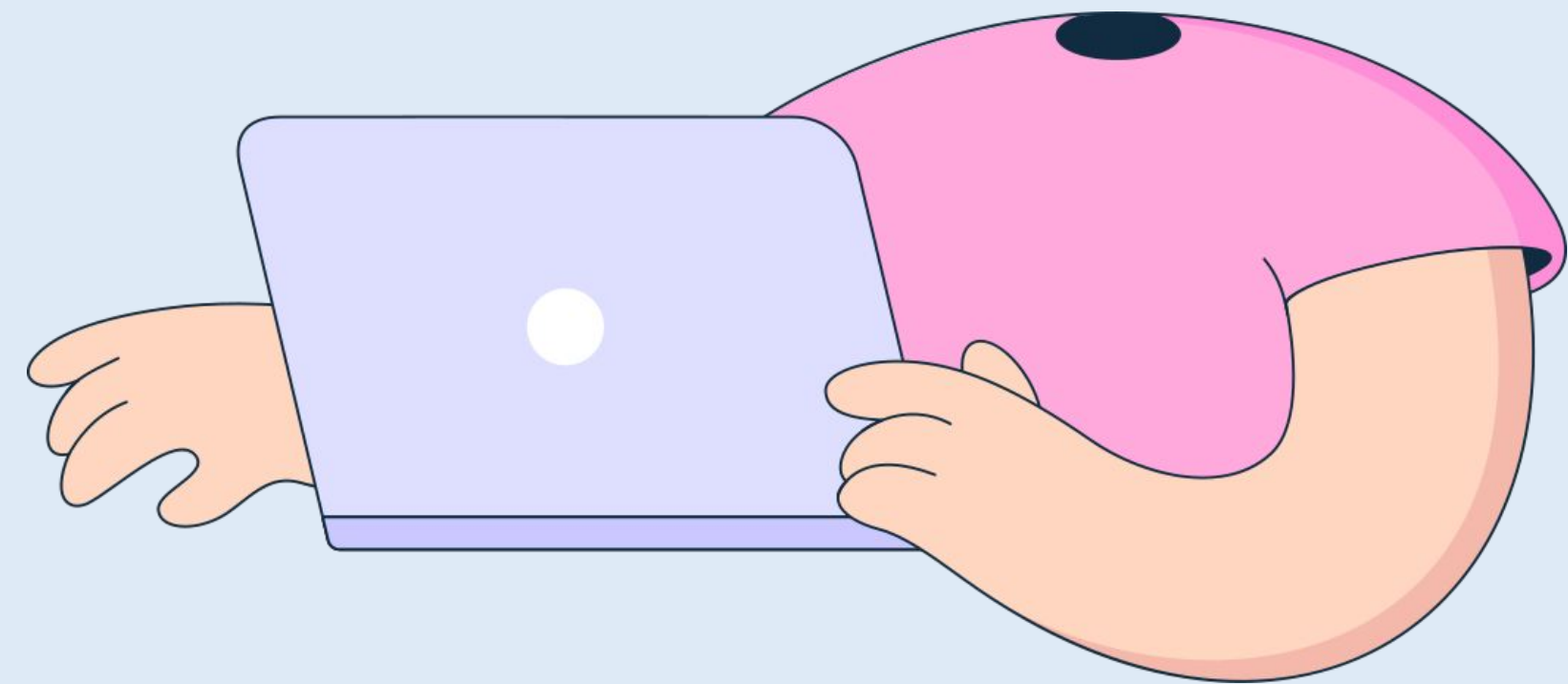
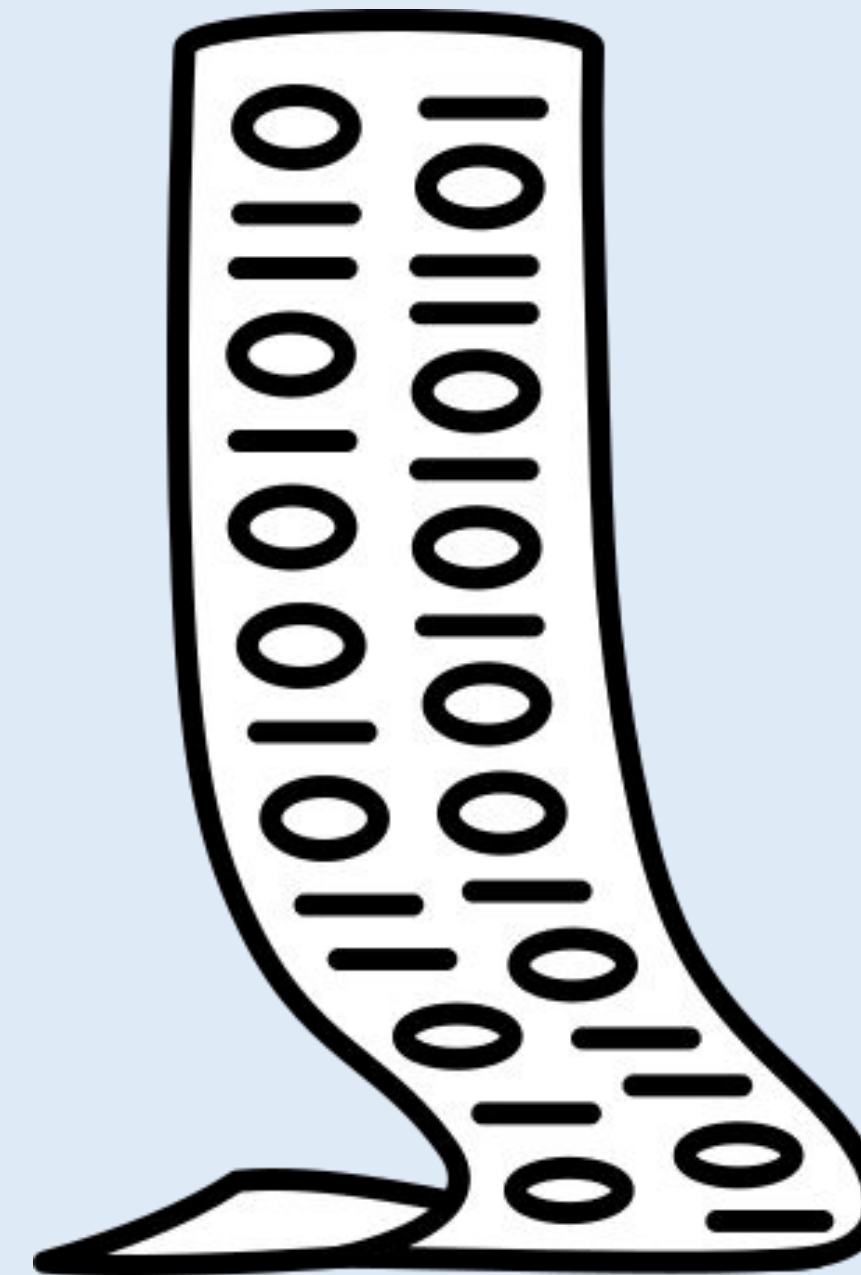


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1.

# Pay Attention to Patterns

some things are similar & this matters



1.

# Pay Attention to Patterns

some things are similar & this matters



Swift



Kotlin

1.

# Pay Attention to Patterns

some things are similar & this matters



Swift



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# Pay Attention to Patterns

some things are similar & this matters



Swift

async/await



Kotlin

Coroutines

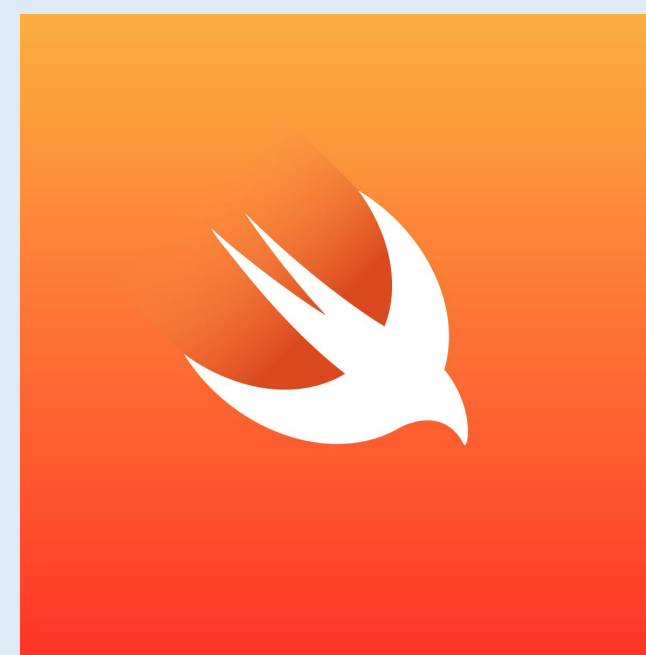




1.

# Pay Attention to Patterns

some things are similar & this matters



Swift



Kotlin

async/await



Coroutines



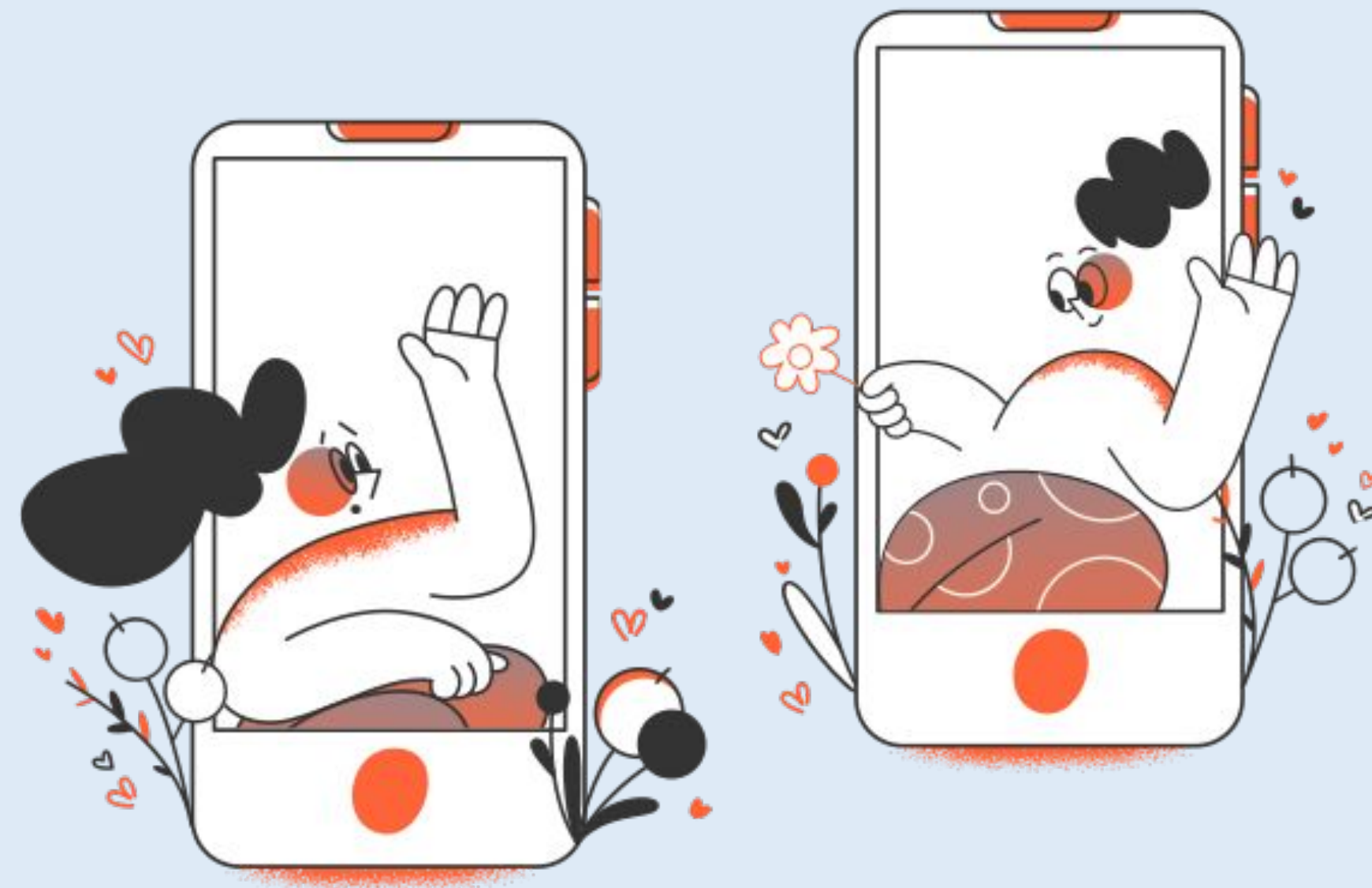
SwiftUI



Jetpack Compose

# 2.

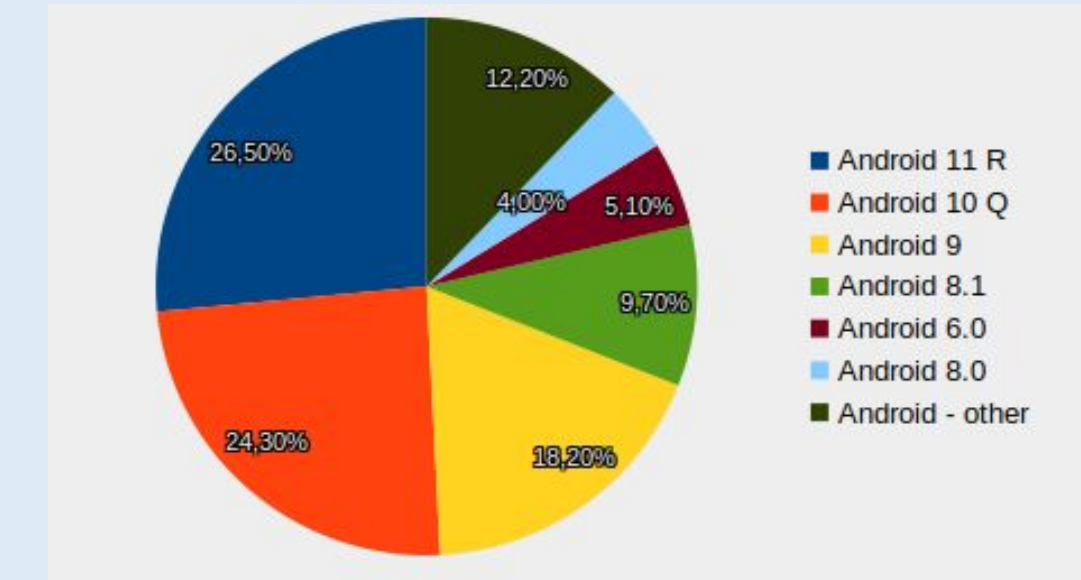
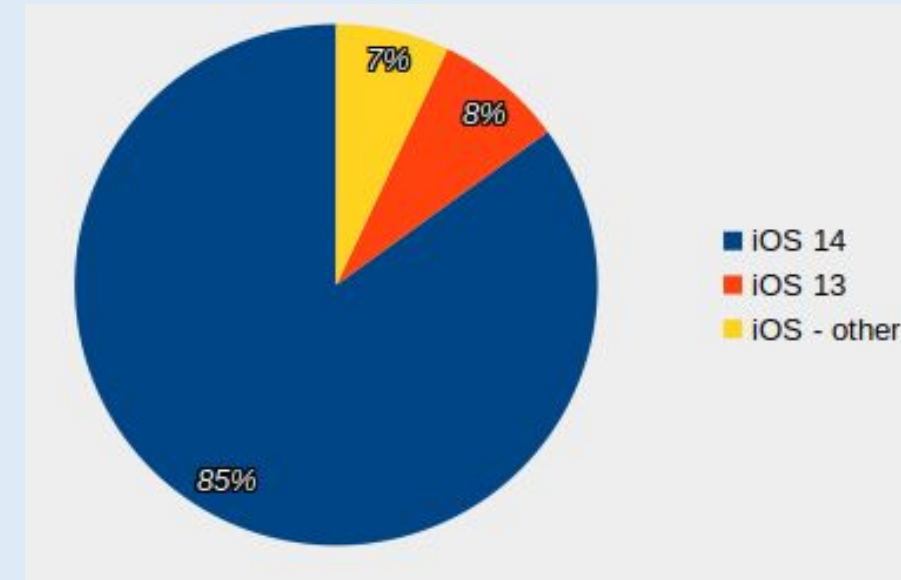
## Same Same But Different get the correct mental models



# 2.

## Same Same But Different

get the correct mental models

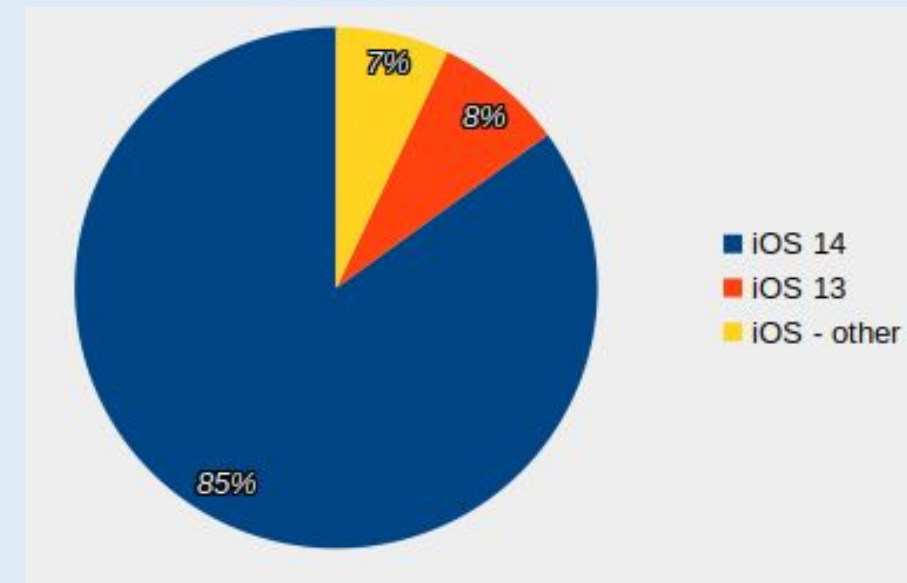


Charts from [TestArmy](#)

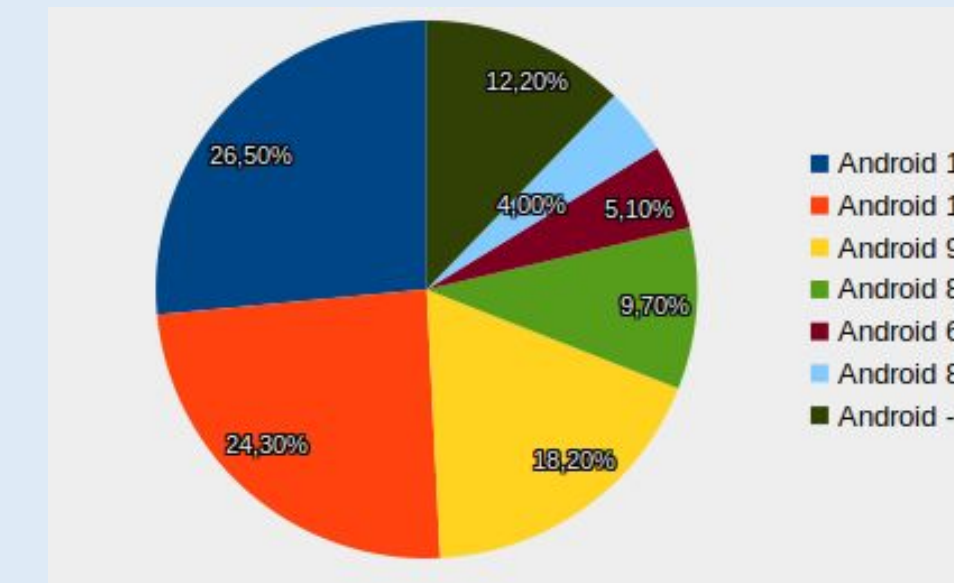


# 2.

## Same Same But Different get the correct mental models



- New iPhone models
- iPhone 13 Pro
  - ✓ iPhone 13 Pro Max
  - iPhone 13
  - iPhone 13 mini
  - iPhone SE (3rd generation)
- More iPhone models
- iPhone 12 Pro
  - iPhone 12 Pro Max
  - iPhone 12 mini
  - iPhone 12
  - iPhone 11 Pro
  - iPhone 11 Pro Max
  - iPhone 11
  - iPhone SE (2nd generation)
  - iPhone XS
  - iPhone XS Max
  - iPhone XR
  - iPhone X
  - iPhone 8 Plus
  - iPhone 8
  - iPhone 7 Plus
  - iPhone 7
  - iPhone 6s Plus
  - iPhone 6s
  - iPhone 6 Plus
  - iPhone 6
  - iPhone SE (1st generation)



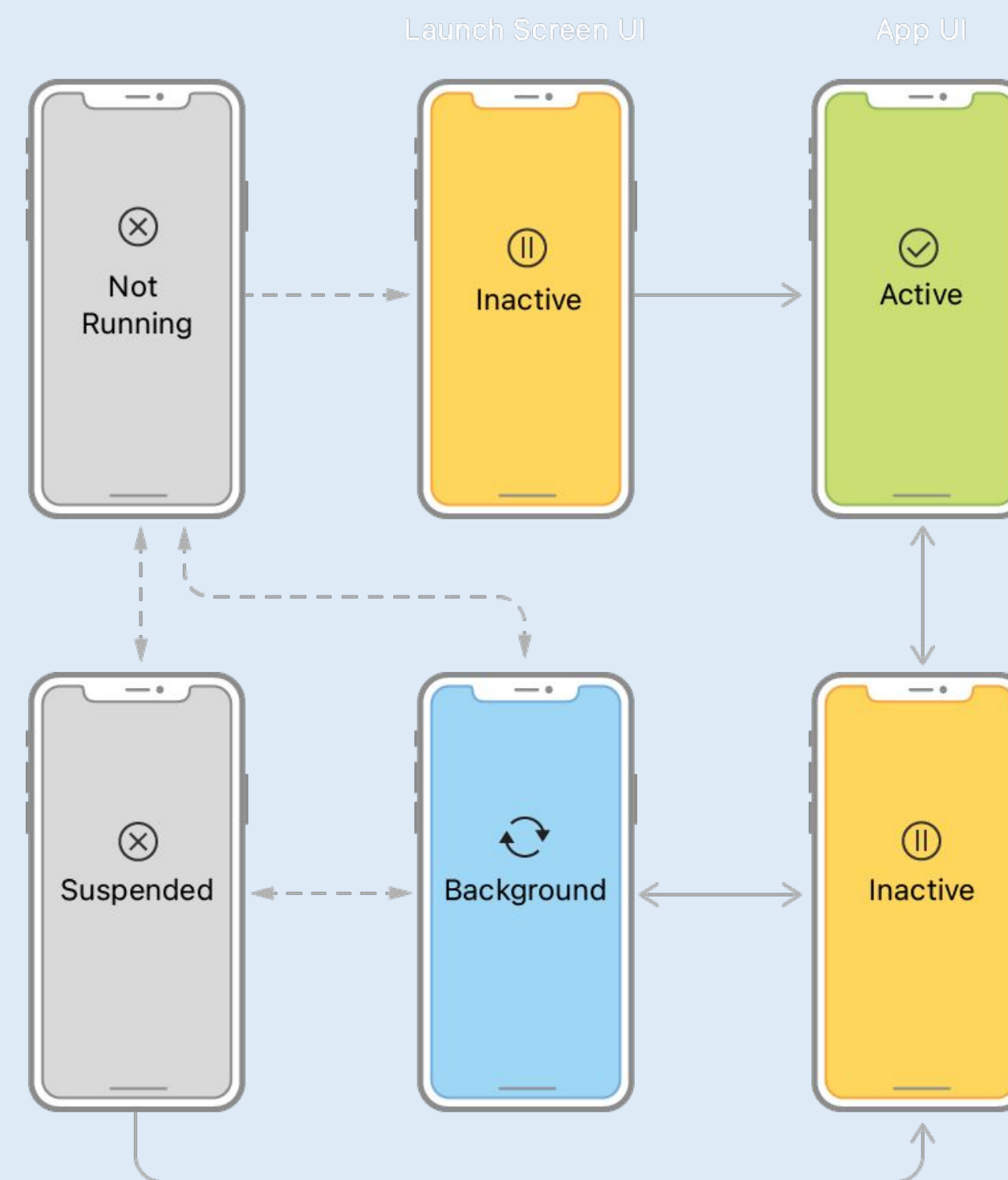
Charts from [TestArmy](#)

- ✓ Pixel 6 Pro
- Pixel 6
- Pixel 6a
- Pixel 5a with 5G
- Pixel 5
- Pixel 4a with 5G
- Pixel 4a
- Pixel 4 XL
- Pixel 4
- Pixel 3a
- Pixel 3a XL
- Pixel 3
- Pixel 3 XL
- Pixel 2
- Pixel 2 XL
- Pixel
- Pixel XL

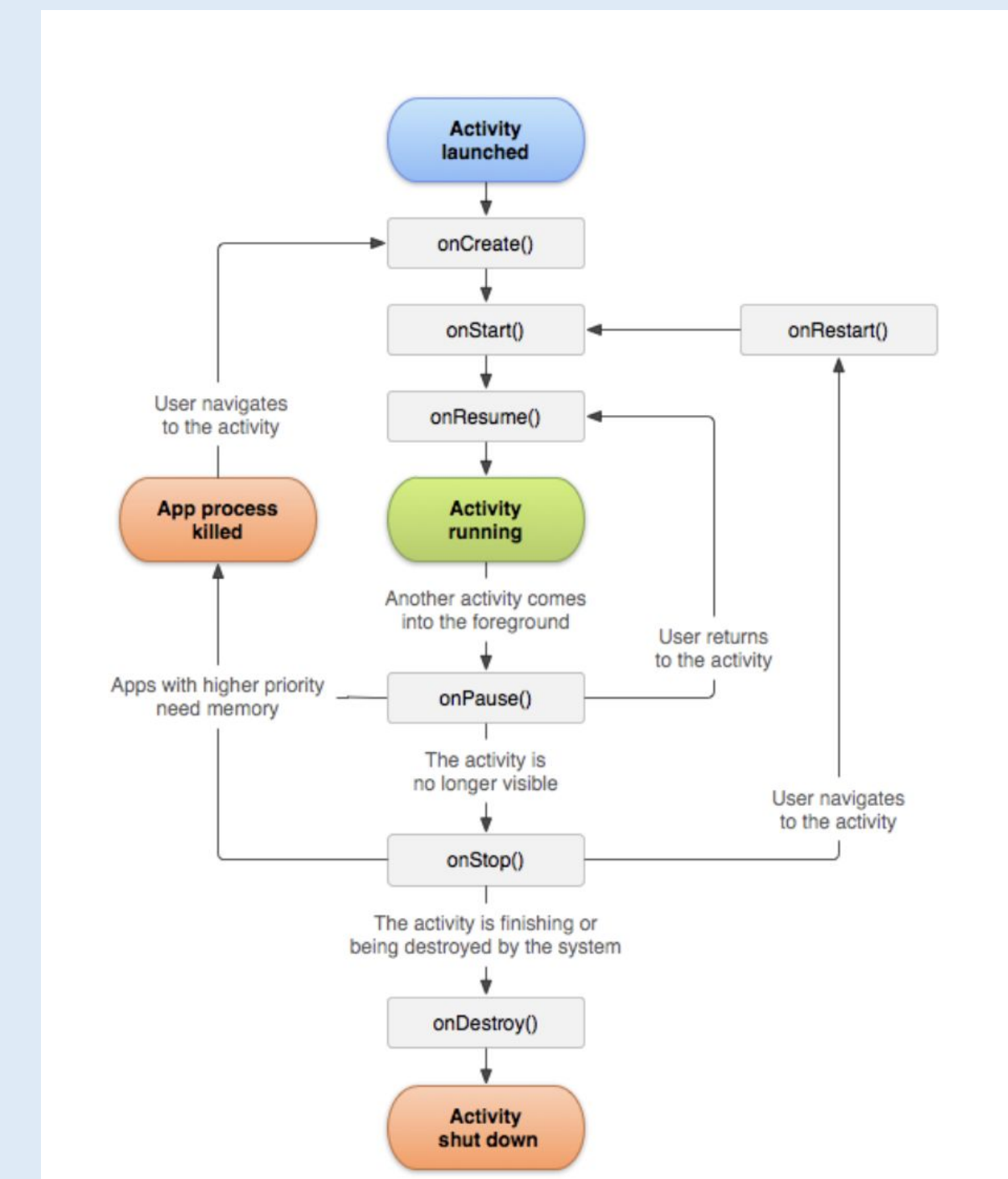
- More Samsung Models
- Samsung Galaxy S22
  - Samsung Galaxy S22+
  - ✓ Samsung Galaxy S22 Ultra
  - Samsung Galaxy Z Fold3 5G
  - Samsung Galaxy Z Flip3 5G
  - Samsung Galaxy S21 5G
  - Samsung Galaxy S21+ 5G
  - Samsung Galaxy S21 Ultra 5G
  - Samsung Galaxy S21 FE 5G
  - Samsung Galaxy Note20 5G
  - Samsung Galaxy Z Fold2 5G
  - Samsung Galaxy Note20 Ultra 5G
  - Samsung Galaxy Z Flip 5G
  - Samsung Galaxy Z Flip
  - Samsung Galaxy S20 Ultra 5G
  - Samsung Galaxy S20+ 5G
  - Samsung Galaxy S20 FE 5G
  - Samsung Galaxy S20 5G
  - Samsung Galaxy S10 5G
  - Samsung Galaxy S10+
  - Samsung Galaxy S10
  - Samsung Galaxy S10 Lite
  - Samsung Galaxy S10e
  - Samsung Galaxy Note10
  - Samsung Galaxy Note10+
  - Samsung Galaxy Note10+ 5G
  - Samsung Galaxy Note9
  - Samsung Galaxy S9+
  - Samsung Galaxy S9
  - Samsung A71 5G
  - Samsung A51 5G
  - Samsung A51
  - Samsung A70
  - Samsung A50
  - Samsung A20
  - Samsung A10e
  - Samsung Galaxy S8+
  - Samsung Galaxy S8
  - Samsung Galaxy S7 edge

# 2.

## Same Same But Different get the correct mental models



Source: [Apple](#)

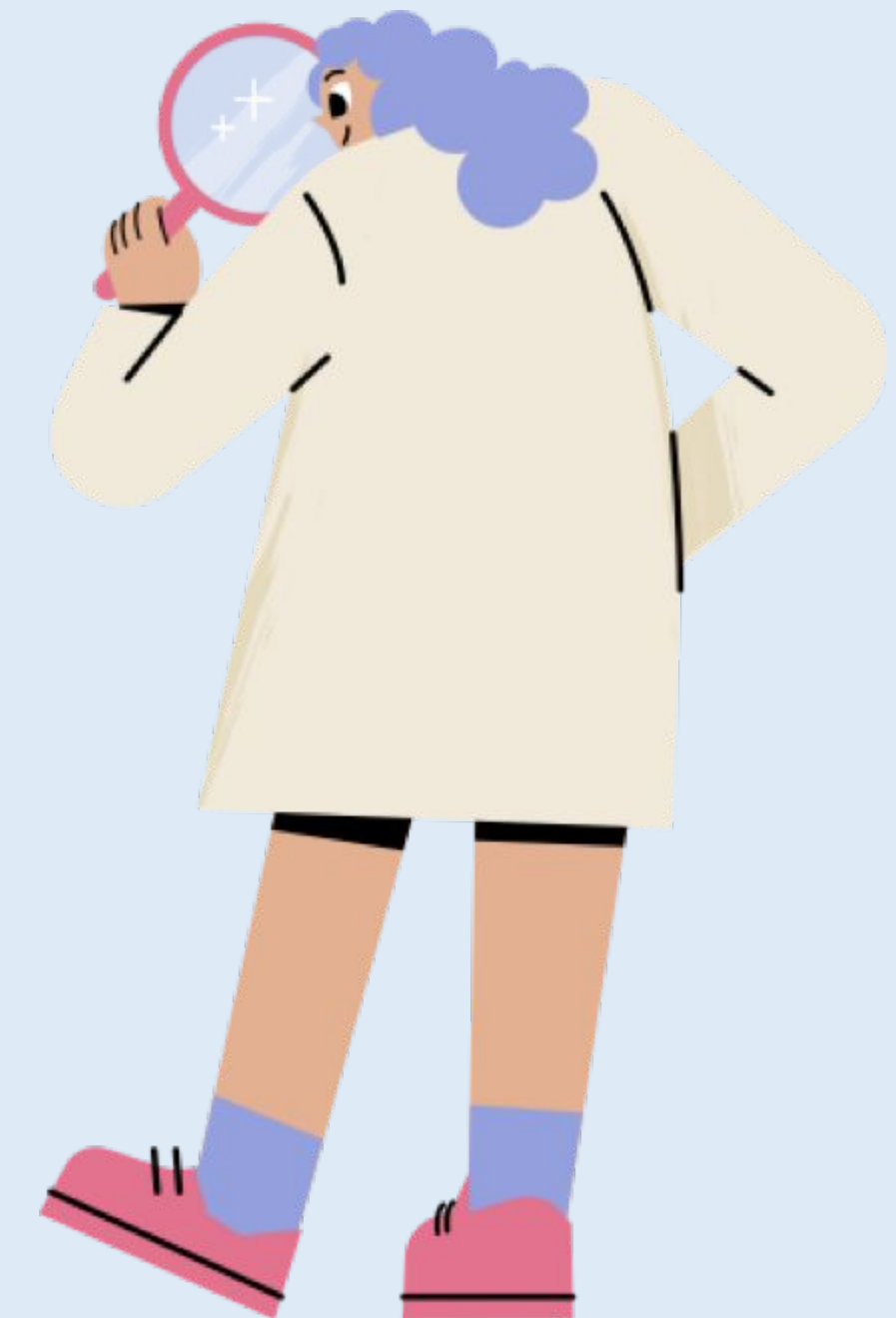


Source: [Google](#)

# 3.

## Levels of Understanding

surface vs. deep—both have a role





PART TWO



# Process Learnings



Illustration by [Anna A](#) from [Ouch!](#)

# 4.

## Making Technical Decisions Is Hard but you can always revise



# 5.

## The Siren Sounds of Prior Art

don't get tunnel vision from  
another implementation



You shouldn't let developers lie to you



# 6.

## Scope Is Love, Scope Is Life

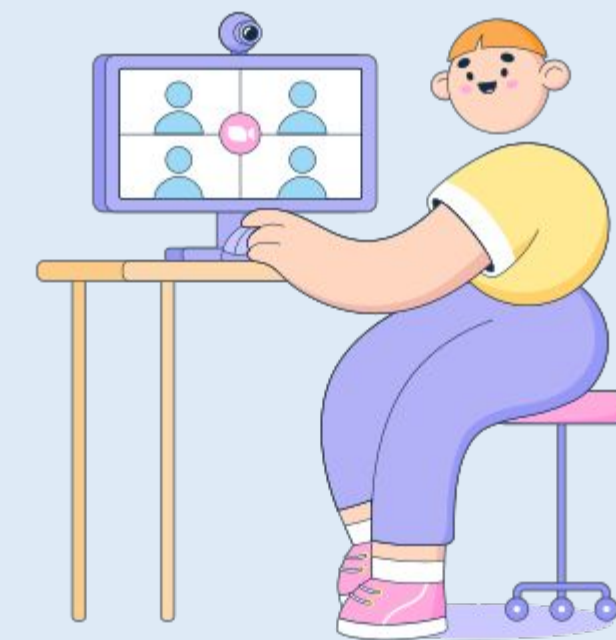
eyes on the prize requires you  
to know the prize



# 7.

## Know Your Stakeholders

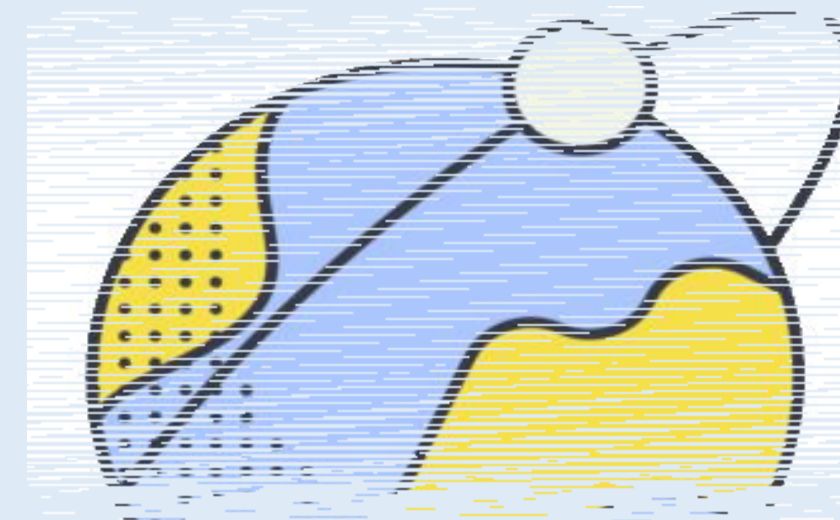
get people testing early and often



# 8.

## A.B.T. (Always Be Triaging)

immediacy  $\neq$  urgency





PART THREE



# Personal Learnings



Illustration by [Anna A](#) from [Ouch!](#)

9.

**Learning Is Painful**  
you will question everything



# 10.

## Only Compare Yourself to Yourself

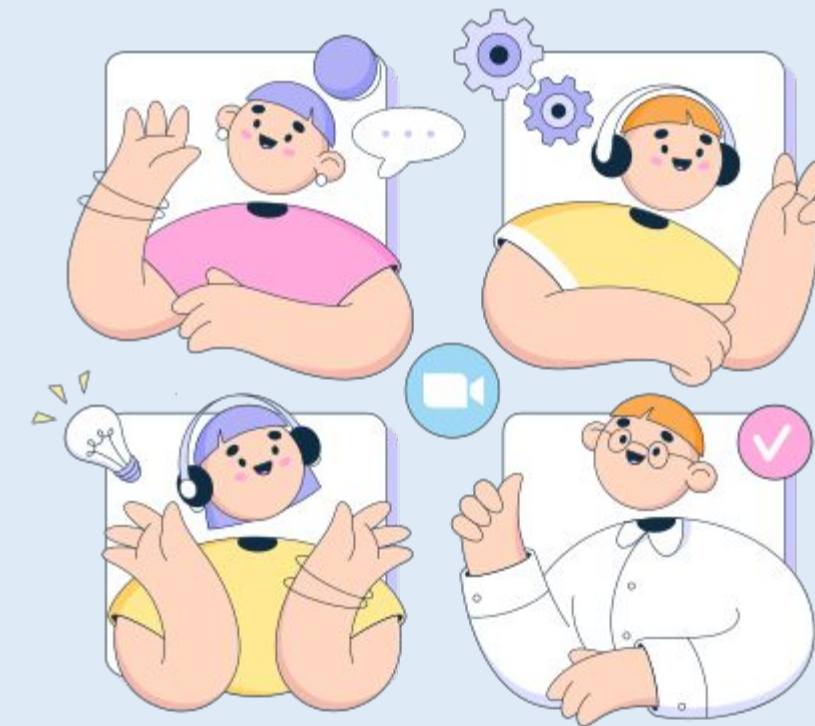
this is how you see progress



# 11.

## This Is A Team Sport

no dev is an island





# 12.

## Find Your Corner

fight burnout with this one weird trick



Illustration by [Natasha Remarchuk](#) from [Ouch!](#)

# 13.

## Importance of Intuition

what do you feel a pull to understand?



# 14.

## How Do You Learn Best?

lean into what works for you



# 15.

## Importance of Rest

work is not everything







Illustration by [Anna A](#) from [Ouch!](#)

**SO NOW WHAT?**

# Technical

- Knowledge of other platforms is useful, but only to a point
- Mental models are everything



Illustration by [Anna A](#) from [Ouch!](#)

SO NOW WHAT?

# Process

- Reduce unknowns
- You can always revise code



Illustration by [Anna A](#) from [Ouch!](#)

SO NOW WHAT?

# Personal

- No way out but through
- Hit the spacebar
- Lean on your coworkers and community



Illustration by [Anna A](#) from [Ouch!](#)

SO NOW WHAT?



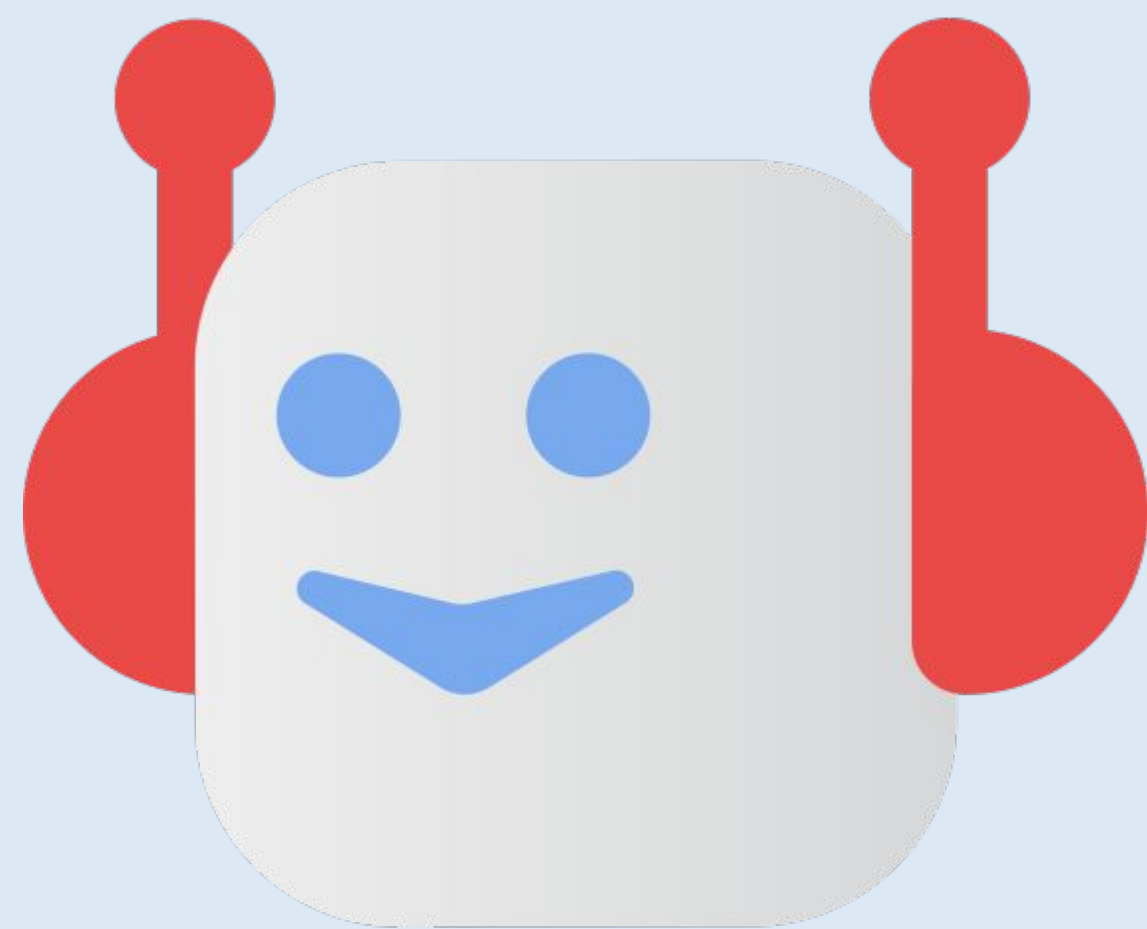


Illustration by [Icons 8](#) from [Ouch!](#)



# Thank You!

send me things at [rachel@superhuman.com](mailto:rachel@superhuman.com)

Slides: [bit.ly/rh-cr22](https://bit.ly/rh-cr22)