



**SMART
Cloud**

powered by  OVHcloud

SMART Cloud #8 Web 3.0: Extended Reality

martedì 29 marzo 2022 18:45

EVENTO ONLINE GRATUITO

 OVHcloud

AMD

< SANSONE
COMMUNI/TY >

ospitato su

 The
Communities Bay

Federico Parezzan



Huawei Developer Expert



Oracle Certified Associate



Sviluppatori Flutter



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[parez93](#)



[parezzan.com](#)



[thecmmbay.com](#)

Sono un essere umano, nulla che sia umano mi è estraneo - Terenzio

Agenda



WHAT IS AR

*A marvelous time
travel*



AR IN FLUTTER

*AR and multiplatform
framework are
possible?*



FINAL CONCLUSIONS

Where are we now?



WHAT IS AR?

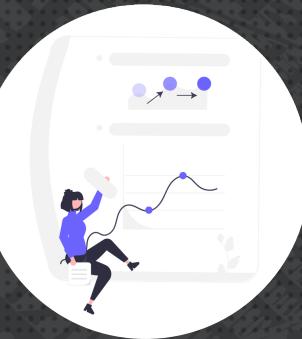
A marvelous time travel



WHAT IS AR?

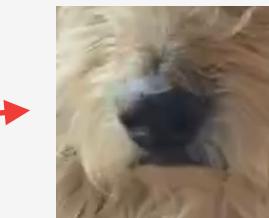
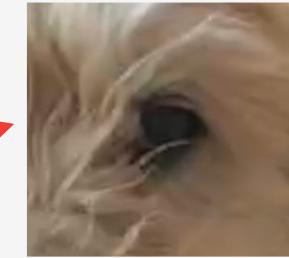
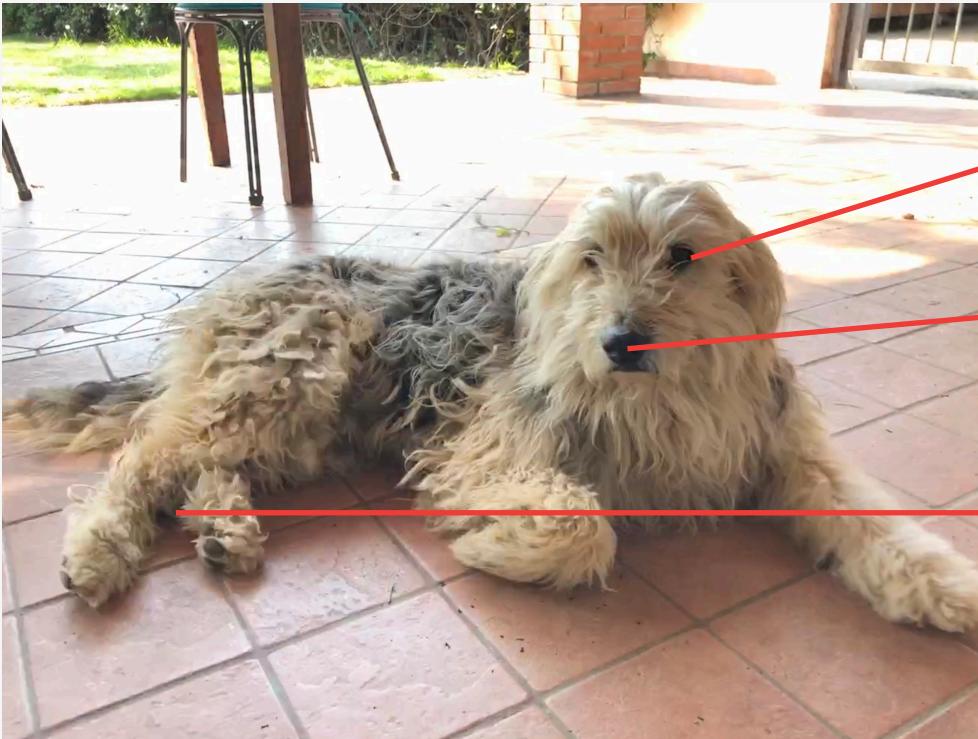


**NATURAL FORM OF
VISUALIZATION**

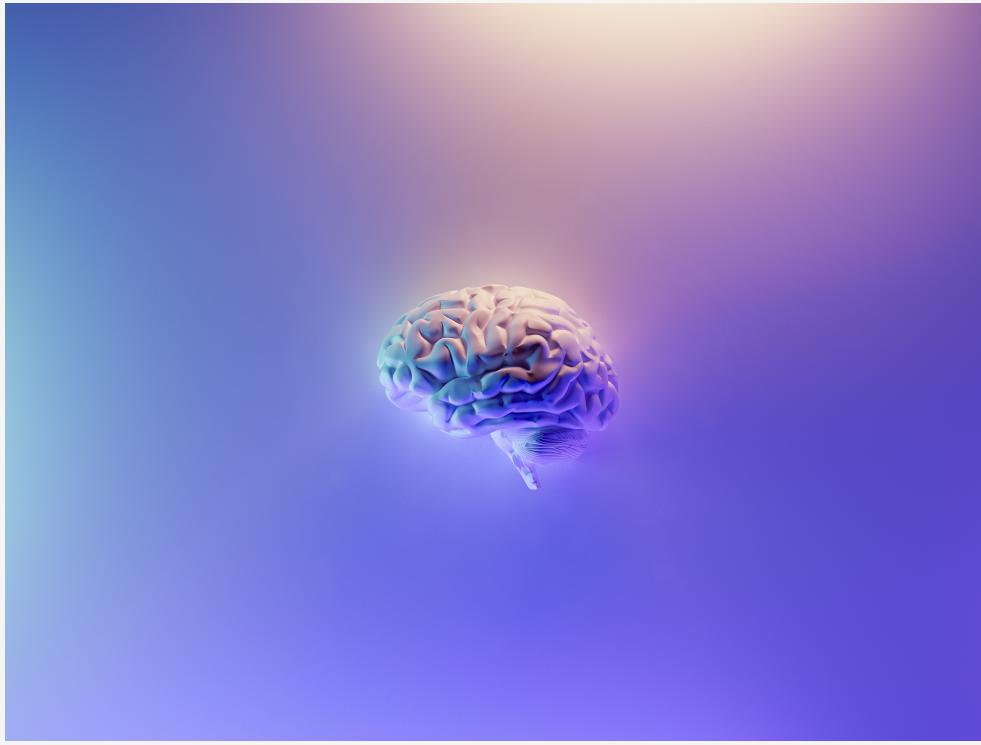


Natural form of visualization

VISUALIZATION IN ENGINEERING TERMS



BRAIN AS NEURAL NETWORK



Evolution has trained brain to 3D

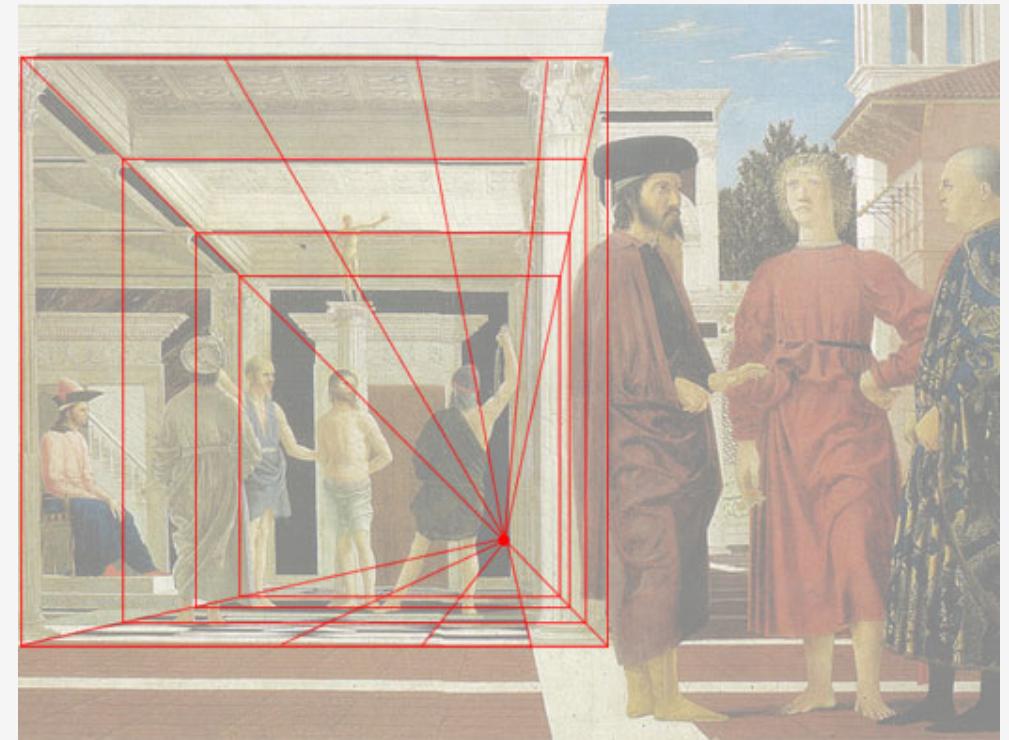
NATURAL FORM OF VISUALIZATION

Street art - 2000



NATURAL FORM OF VISUALIZATION

La Flagellazione di Cristo - 1460 - Piero della Francesca



NATURAL FORM OF VISUALIZATION

Pyramids of Giza - 2550 a.C. - Egypt



NATURAL FORM OF VISUALIZATION

Pitture rupestri - Paleolitico 17500 anni fa - Grotte di Lascaux



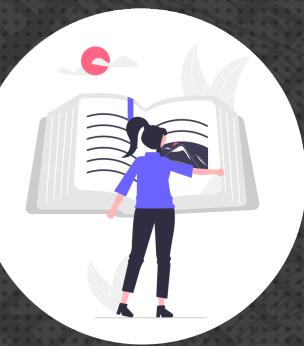
WHAT IS AR?



**NATURAL FORM OF
VISUALIZATION**



KNOWLEDGE



Knowledge

What is knowledge?



Knowledge got by experience

"FATTI NON FOSTE A VIVER COME BRUTI, MA PER SEGUIR
VIRTUTE E CANOSCENZA."
- DANTE ALIGHIERI, DIVINA COMMEDIA, INFERNO XXVI

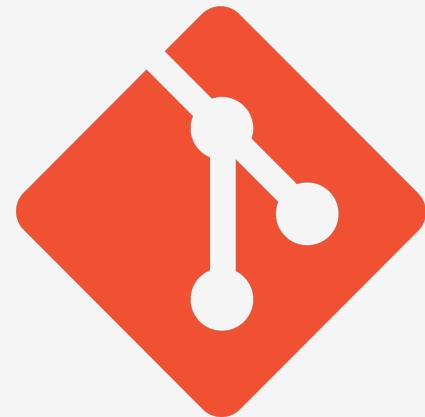
KNOWLEDGE

Library of Alexandria - III secolo a.C. - Egypt



KNOWLEDGE

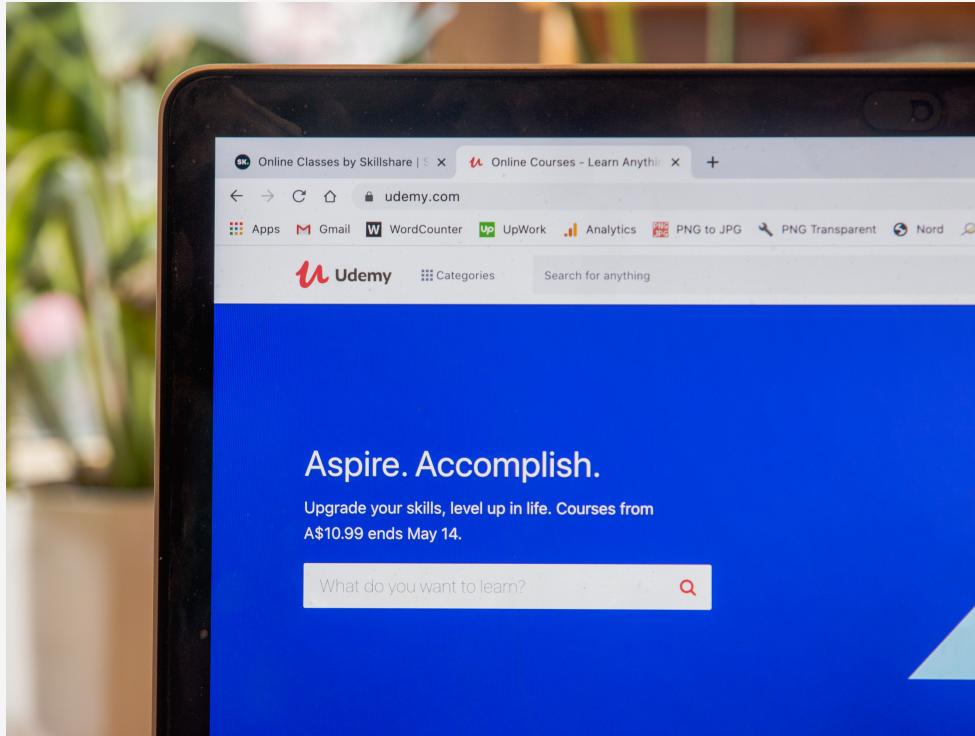
Git - 2005 - Linus Torvalds



git

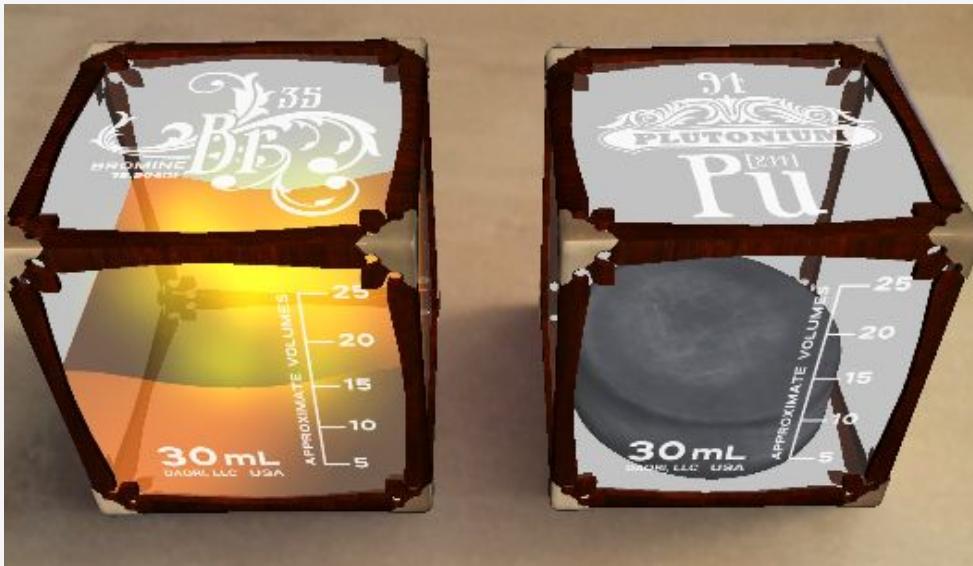
KNOWLEDGE

Video courses



KNOWLEDGE

Simulations



WHAT IS AR?



NATURAL FORM OF
VISUALIZATION

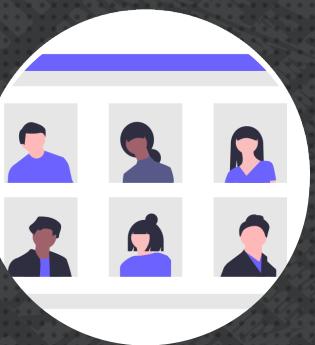


COMMUNICATION



KNOWLEDGE

Communication



COMMUNICATION

Google Glass



COMMUNICATION

Ray-Ban Stories



COMMUNICATION

Spectacles





AR IN FLUTTER

AR and multiplatform framework are possible?



WHAT IS FLUTTER?

A little recap

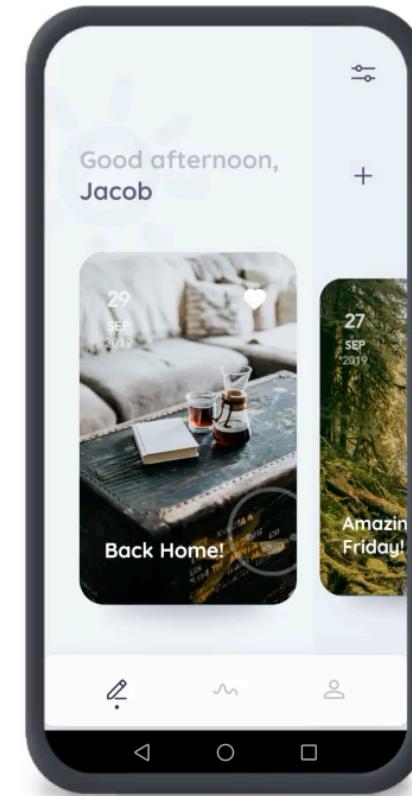
Flutter is Google's UI toolkit for building beautiful, natively compiled applications for mobile, web, and desktop from a single codebase.

```
6  class MyApp extends StatelessWidget {  
7    // This widget is the root of your application.  
8  
9    @override  
10   Widget build(BuildContext context) {  
11     return MaterialApp(  
12       title: 'Flutter Demo',  
13       theme: ThemeData(  
14         // This is the theme of your application.  
15         //  
16         // Try running your application with "flutter run". You'll see the  
17         // application has a blue toolbar. Then, without quitting the app, try  
18         // changing the primarySwatch below to Colors.green and then press  
19         // "hot reload" (press "r" in the console where you ran "flutter run").  
20         // Notice that the counter didn't reset back to zero.  
21         // is not restarted.  
22         primarySwatch: Colors.blue,  
23       ), // ThemeData  
24       home: MyHomePage(title: 'Flutter Demo Home Page'),  
25     ); // MaterialApp  
26   }  
27 }  
28  
29 class MyHomePage extends StatefulWidget {  
30   MyHomePage({Key key, this.title}) : super(key: key);  
31  
32   final String title;  
33 }
```

WHAT IS FLUTTER?

A little recap

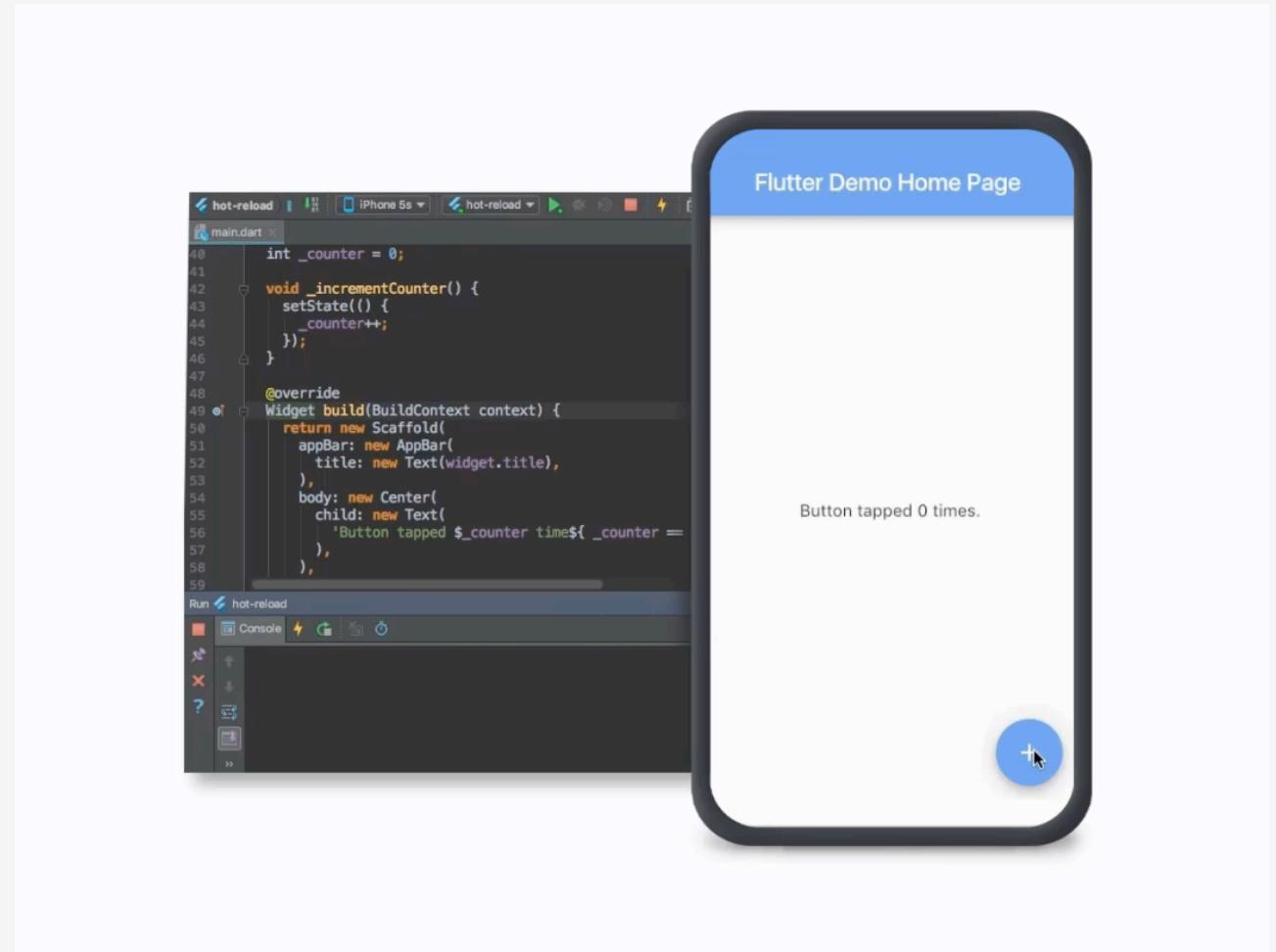
Beautiful UIs



WHAT IS FLUTTER?

A little recap

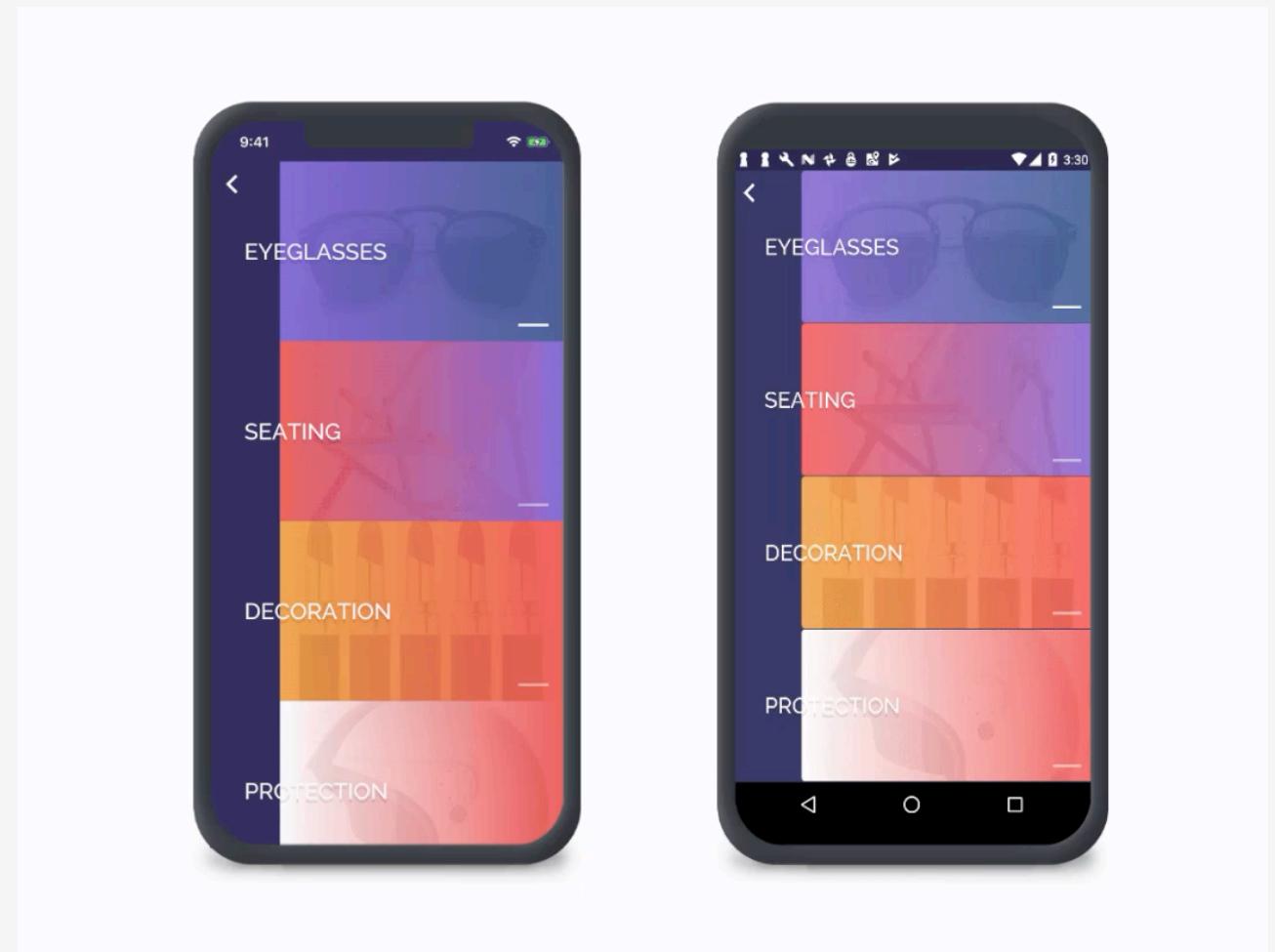
Fast development



WHAT IS FLUTTER?

A little recap

Native Performance



3 APPROCIES



UNITY

*Stable and powerful
solution, but...*

3 APPROCIES

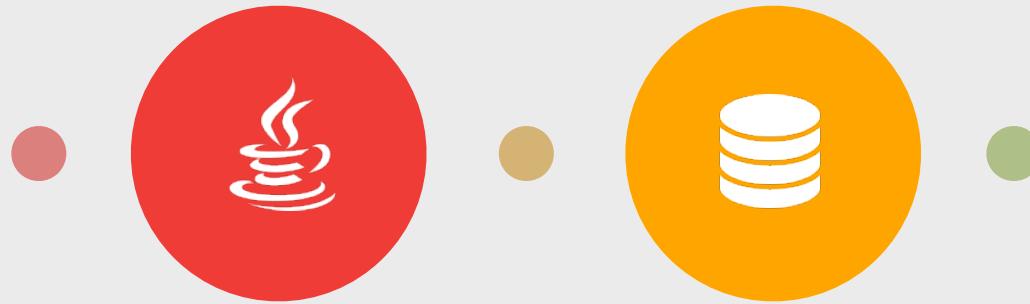


UNITY

*Stable and powerful
solution, but...*



3 APPROCIES



UNITY

*Stable and powerful
solution, but...*

NATIVE AR

*Native performance,
but...*

3 APPROCIES



UNITY

*Stable and powerful
solution, but...*



NATIVE AR

*Native performance,
but...*



3 APPROCIES



UNITY

*Stable and powerful
solution, but...*



NATIVE AR

*Native performance,
but...*



ARKIT / ARCORE

There is a widget, but...

3 APPROCIES



UNITY

Stable and powerful solution, but...



NATIVE AR

Native performance, but...



ARKIT / ARCORE

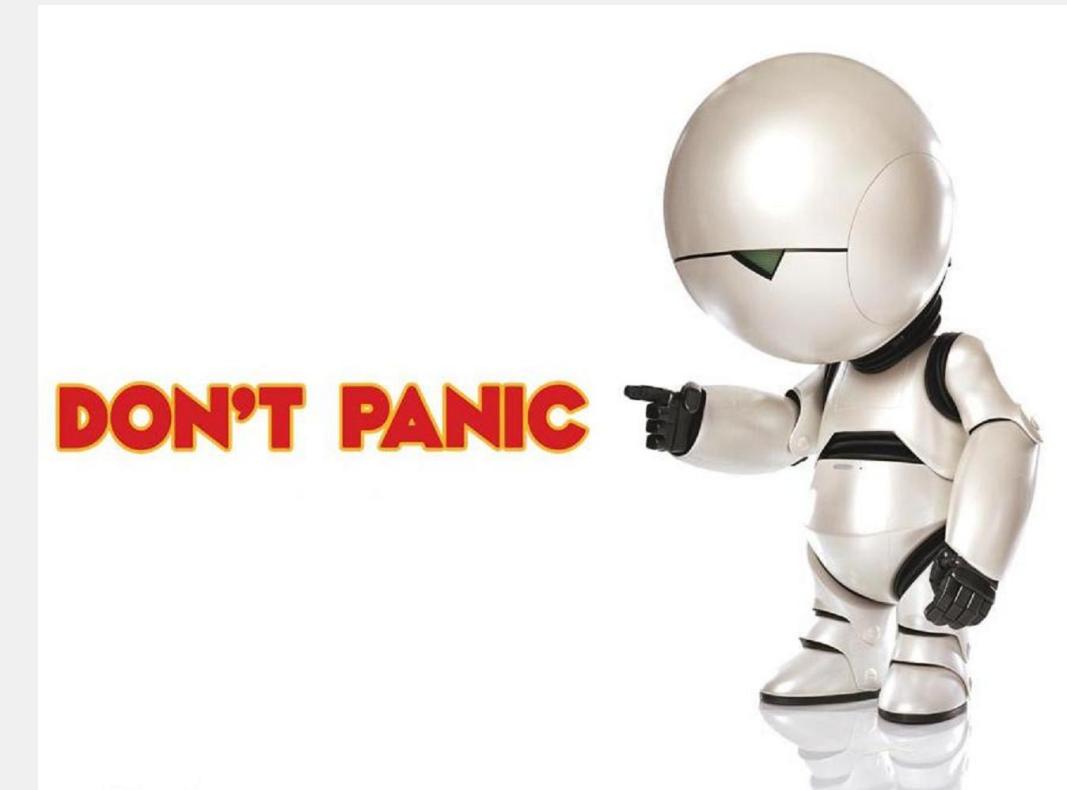
There is a widget, but...



THE DEVELOPER GUIDE TO THE GALAXY AR

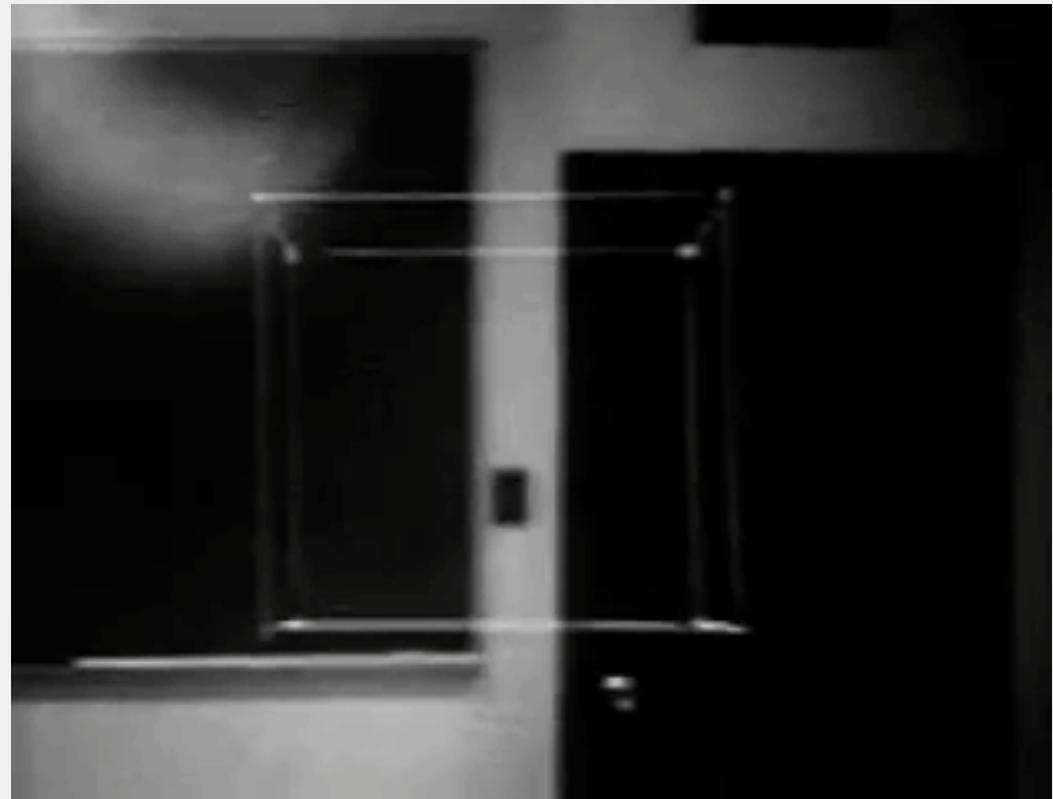
Lorem Ipsum is simply dummy text of the printing and typesetting industry.

FLUTTER	AR
MaterialApp	Scene
Widget	Node
Theme	Material



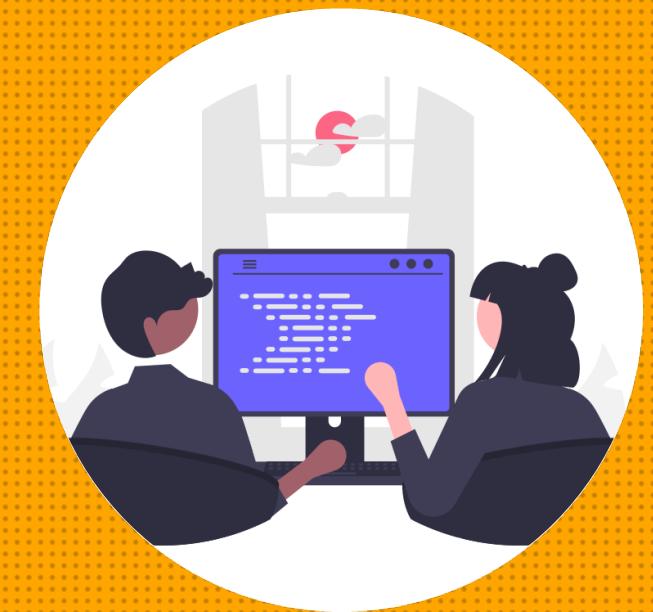
Sword of Damocles

Lorem Ipsum is simply dummy text of the printing and typesetting industry.





DEMO



Sensorama

Lorem Ipsum is simply dummy text of the printing and typesetting industry.



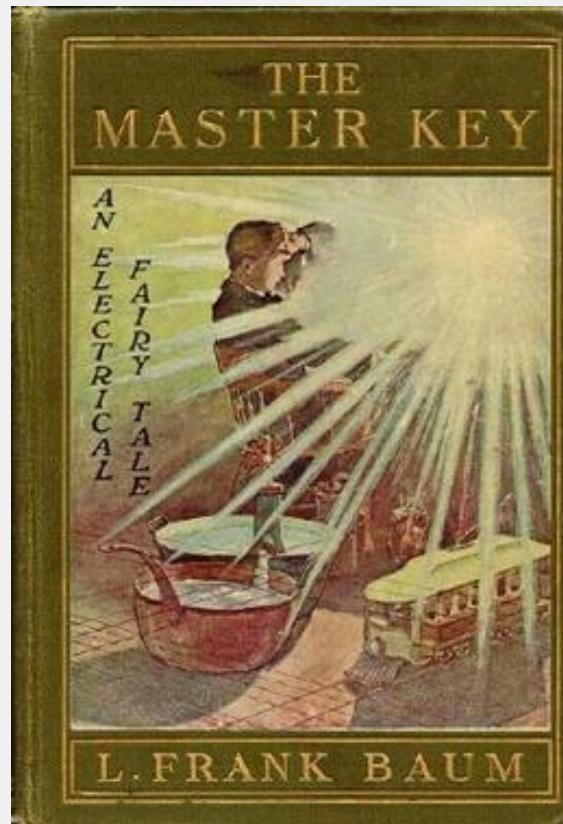


DEMO



The Master Key

Lorem Ipsum is simply dummy text of the printing and typesetting industry.





DEMO





FINAL CONCLUSIONS

Where are we now?

OPINION



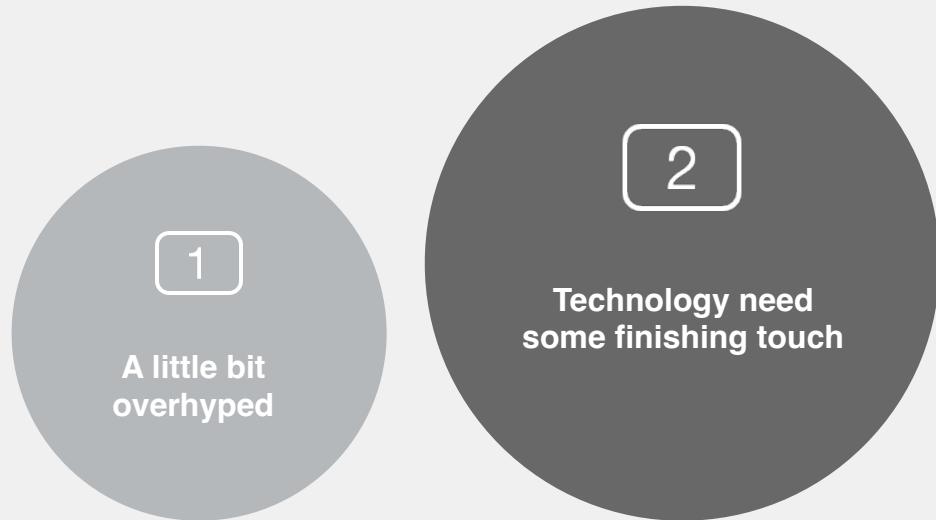
Final conclusions

Lorem Ipsum is simply dummy text of the printing and typesetting industry.



Final conclusions

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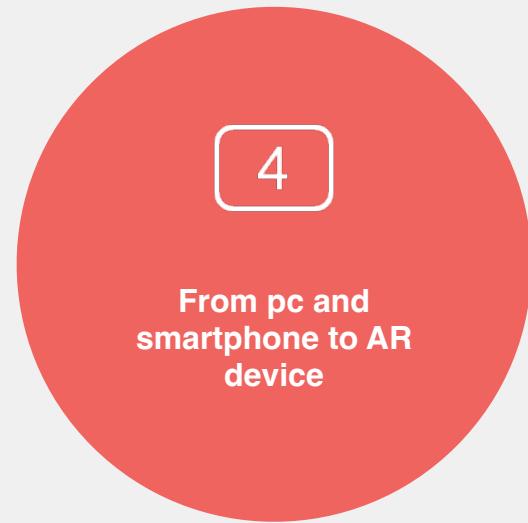
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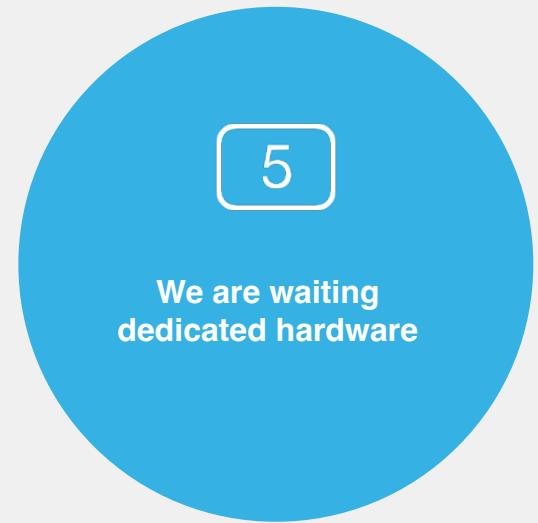
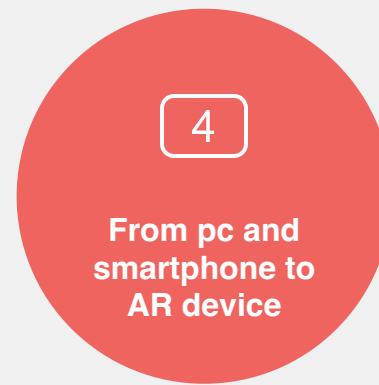
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EXPECTATION



REALITY



THANKS

ASK A QUESTION