





### **TOO MANY APPS?**





### TOO much friction?





### **MINIMIZING FRICTION**

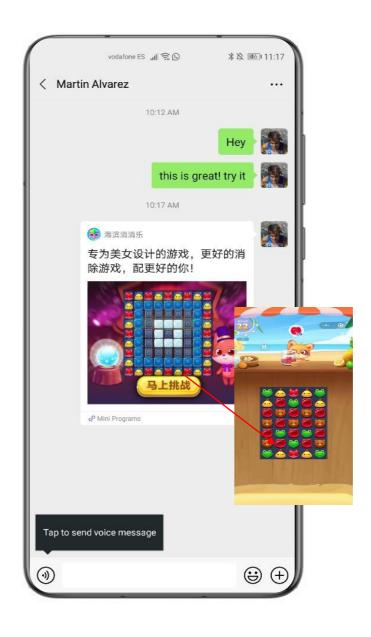




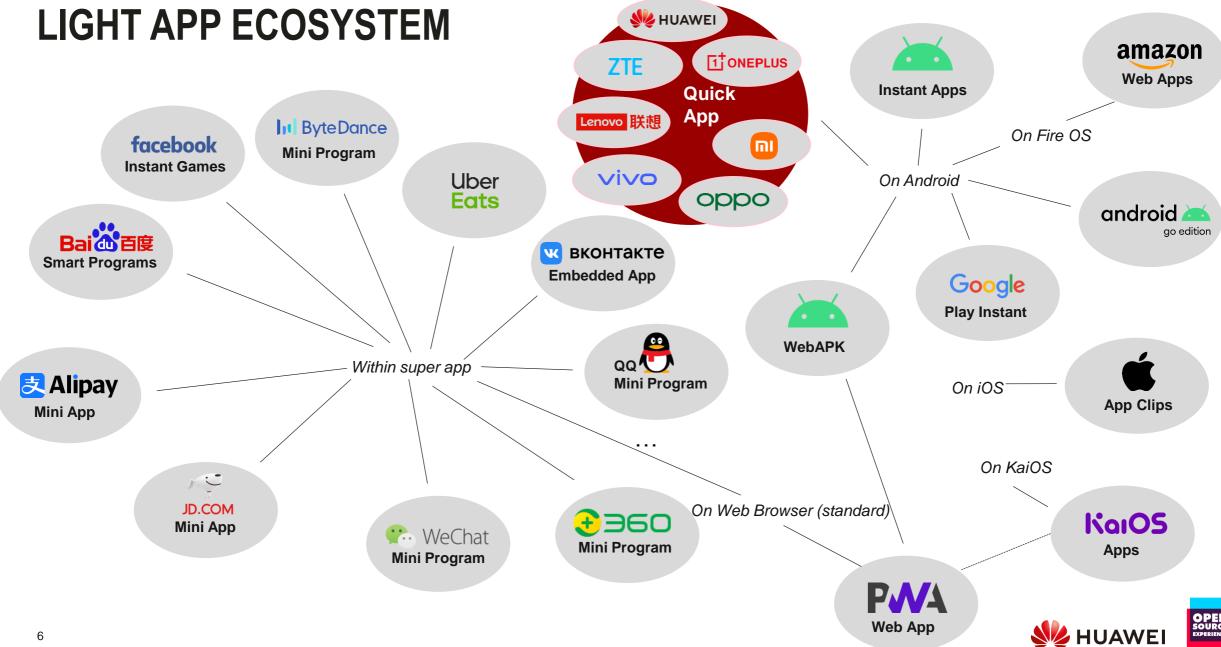
### **NO INSTALLATION APPS**

Direct user interaction

Frictionless apps



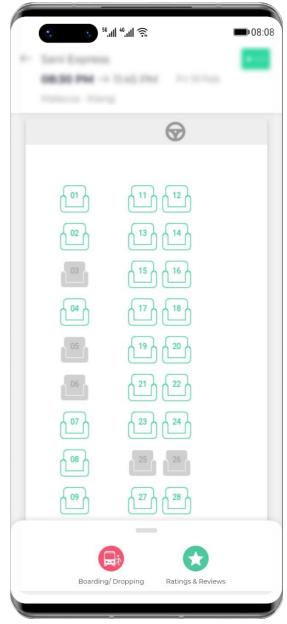




### **QUICK APP**

An MVVM framework
based on Vue.js to
develop native-like
applications that do not
require installation







### **QUICK APP MAIN FEATURES**



Native look & feel
Native performance
Scan QR-code & run
Tap on link & run
No installation

Access to system APIs
Marketplace flexibility
20% code of native
UI predefined elements
Advanced services...



QUICK APPS

WEB APPS

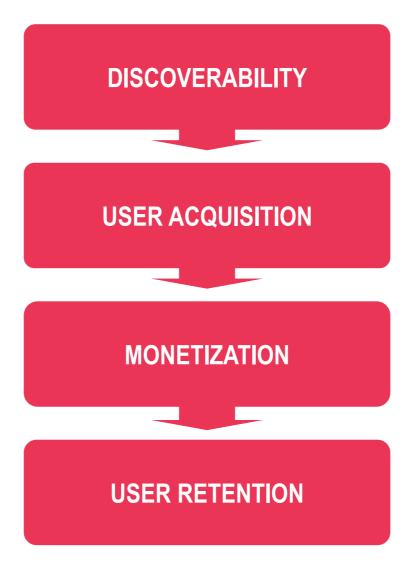
BROWSER

DEVICE

developer, people by Drishya from the Noun Project



### PRODUCT'S LIFECYCLE SUPPORT





#### **DISCOVERABILITY**

### USER ACQUISITION MONETIZATION USER RETENTION

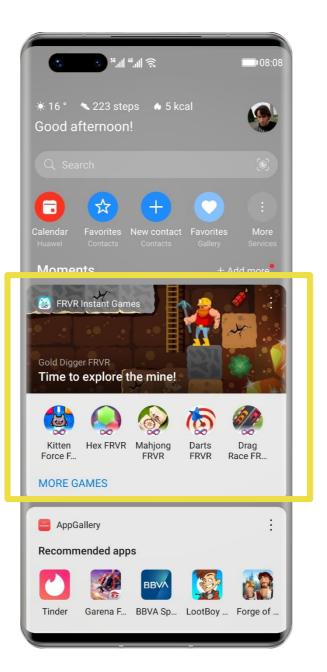
Widgets on dashboard

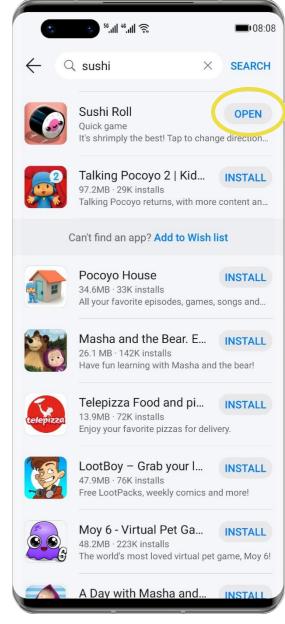
Global search results

Web sites (URL links)

Links from other apps

Listed in app marketplaces







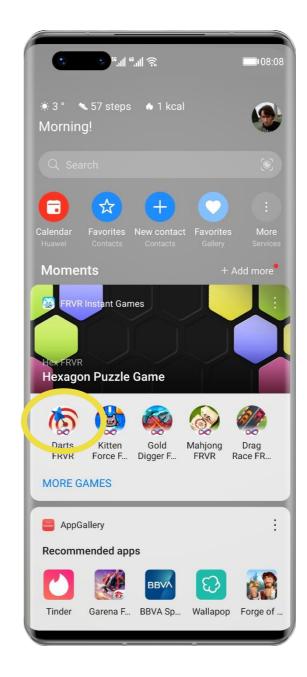


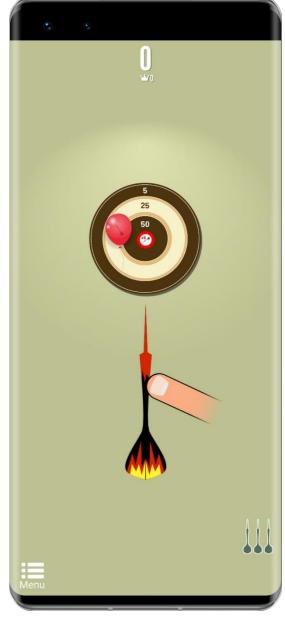
Huge discoverability

Instant access

Minimum friction

User identification

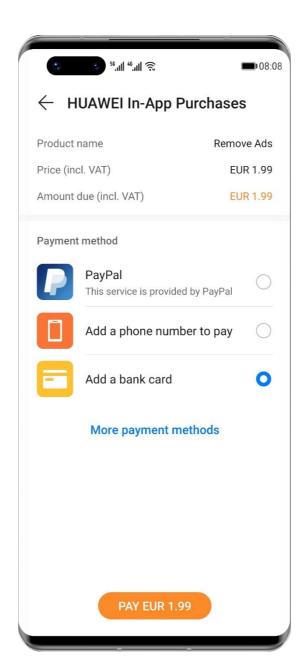








In-app payments
In-app ads
Rewarded ad videos









Tap to open
Save shortcut in home screen
Remember status

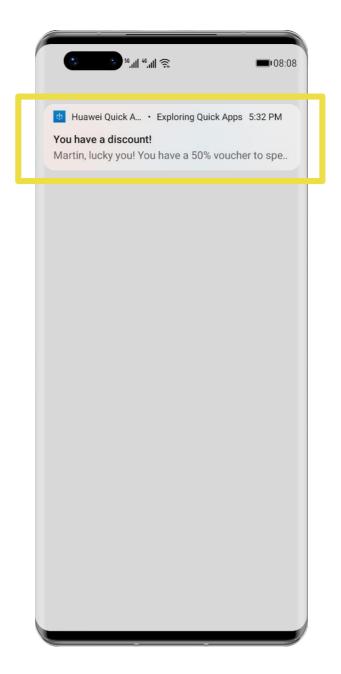


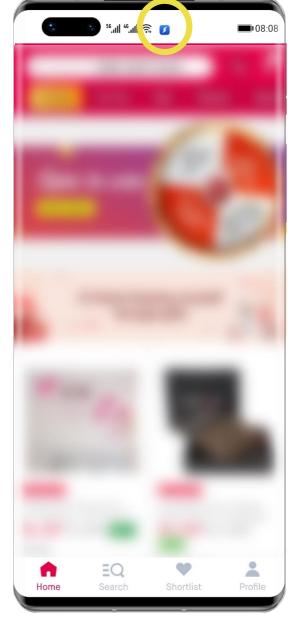






Push notifications
Banners in other apps



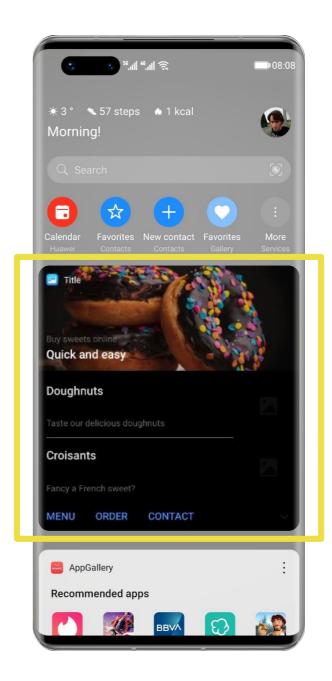






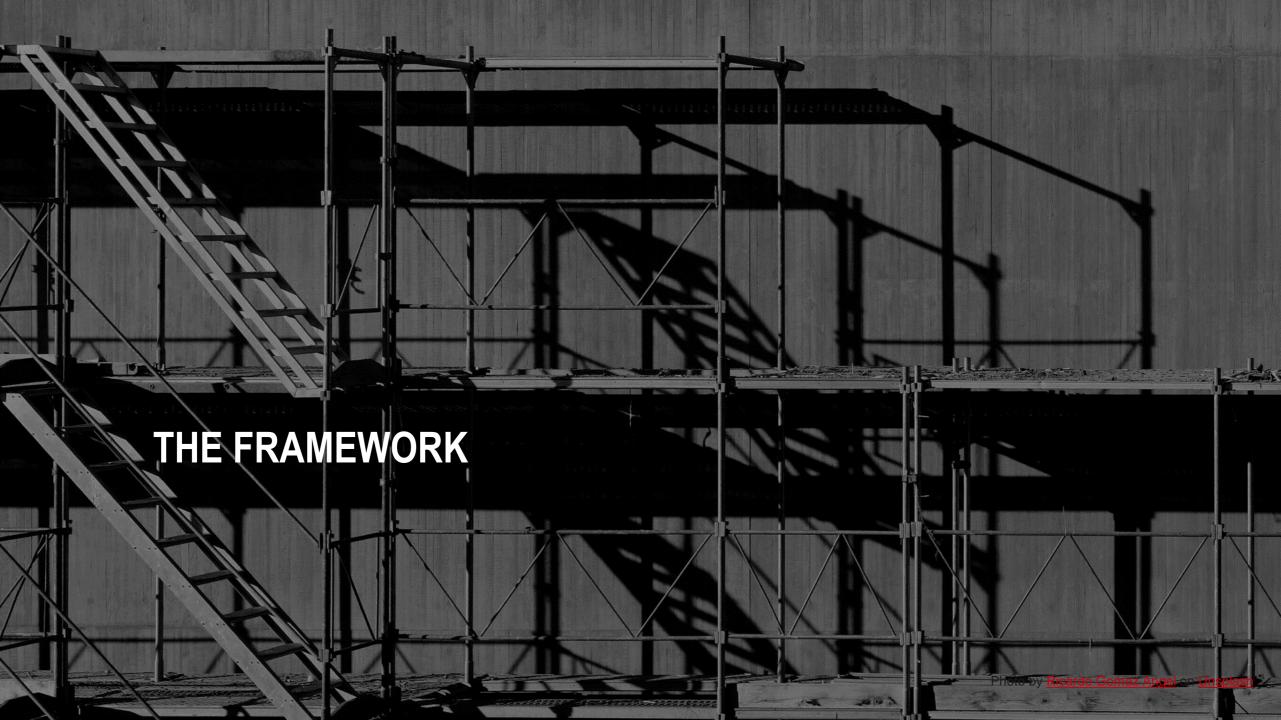
### **ALSO AS WIDGETS**

Display on the home screen Direct user interaction









#### **MVVM FRAMEWORK**

Vue.js-like

Declarative rendering

Reactive HTML\* templates

Reusable UI components

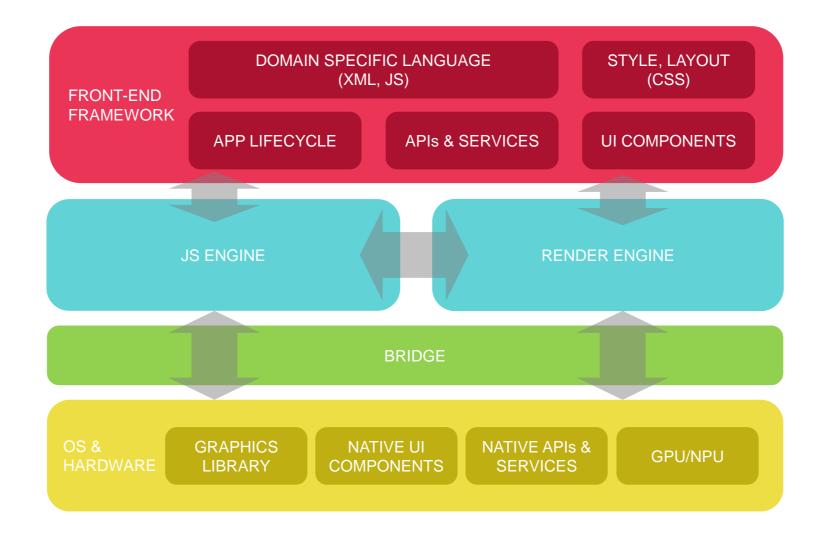
One-way data flow

Event binding

CSS (+ LESS + Saas)

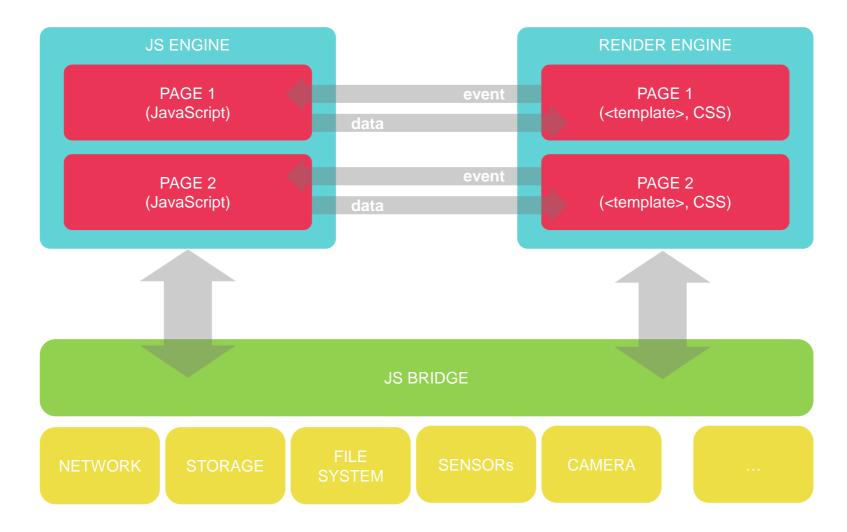
```
<template>
  <div class="main-page">
    <text class="title">{{title}}</text>
    <input class="btn" type="button" value="Press Me" onclick="changeText" />
  </div>
</template>
<script>
export default {
  private: {
    title: 'My first Quick App'
  changeText () {
    this.title = 'hello world'
</script>
<style>
  .main-page {
    flex-direction: column;
    justify-content: center;
                                                            My first Quick App
    align-items: center;
                                                               Press Me
  .btn {
   width: 550px;
    height: 86px;
    margin-top: 75px;
    border-radius: 43px;
    background-color: #4286f5;
    font-size: 30px;
    color: #000000;
</style>
```

### **ARCHITECTURE**



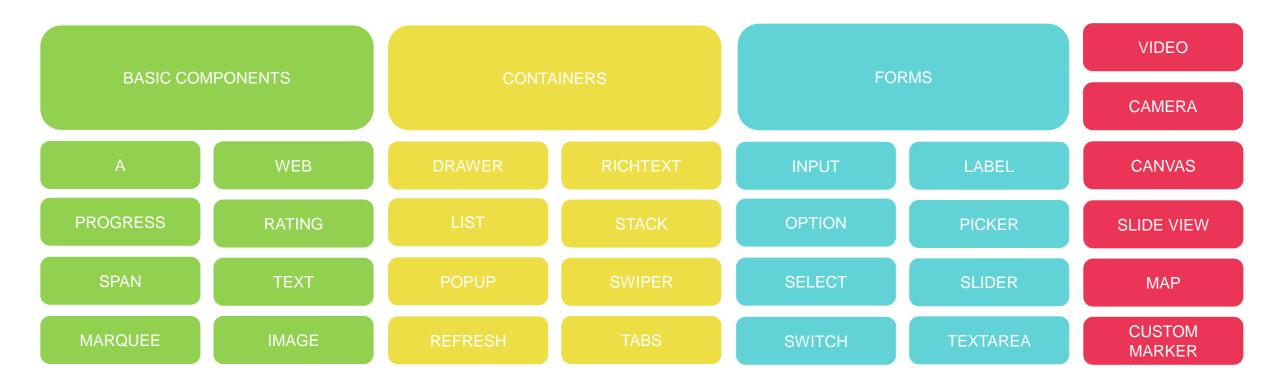


### **RUNTIME FRAMEWORK**





### QUICK APP BUILT-IN UI COMPONENTS

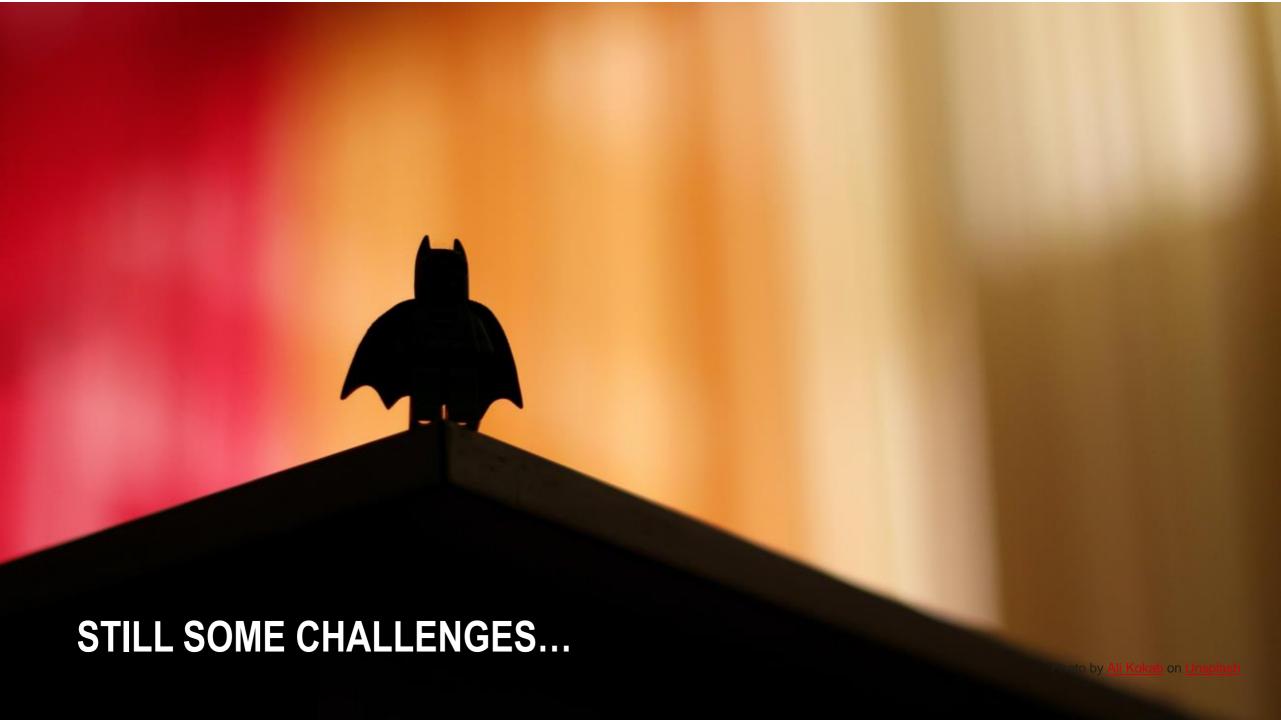




### **APIs & SERVICES**

SYSTEM & NETWORK		INPUT - OUTPUT		DEVICE FEATURES		VENDOR SERVICES
RUN IN BACKGROUND	CRYPTOGRAPHY	QR CODE	QUICK APPS SHARING	NETWORK STATUS	DEVICE AUDIO VOLUME	(AI) TEXT TRANSLATION
SHORTCUT (INSTALLATION)	ZIP MANAGEMENT	AUDIO RECORDINGS	CLIPBOARD	BATTERY	DEVICE ALARMS	(AI) SPEECH RECOGNITION
SYSTEM CONFIGURATION	STORAGE	CANVAS	EXTERNAL SHARING	BRIGHTNESS	CONTACTS	PAYMENTS
PACKAGE MANAGEMENT	FILE SYSTEM	ANIMATIONS	PUSH NOTIFICATIONS	GEOLOCATION	CALENDAR	AUTH.
APP INFO	WEB SOCKETS	IMAGES	WEB VIEW	SENSORS	SMS	STATISTICS
ROUTING	FETCH	AUDIO	DIALOGS	VIBRATOR	WIFI	ADS
DEVICE INFO	UPLOAD DOWNLOAD	VIDEO	IN-APP NOTIFICATIONS	DAILY STEPS	BLUETOOTH	USER ACCOUNT







Open source community hosted by OW2

**Vendor-neutral** 

Collaborative task forces

Join us now!  $\rightarrow$ 



https://quick-app-initiative.ow2.io



### Thank you.

@espinr
martin.alvarez.espinar@huawei.com



#### More info:



https://quick-app-initiative.ow2.io

### Thank you.

Bring digital to every person, home and organization for a fully connected, intelligent world.

Copyright©2021 Huawei Technologies Co., Ltd. All Rights Reserved.

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

