

Polymer and Material Design



Why?

- Great UX.
- Progressive Enhancement.
- Web Components.
- Fast and light.

0.10.0

App

App
Elements

App elements

1.0.10

Fe

Iron
Elements

Polymer core elements

1.0.7

Md

Paper
Elements

Material design elements

1.1.1

Go

Google Web
Components

Components for Google's APIs
and services

1.0.1

Au

Gold
Elements

Ecommerce Elements

1.0.0

Ne

Neon
Elements

Animation and Special Effects

2.0.0

Pt

Platinum
Elements

Offline, push, and more

1.0.0

Mo

Molecules

Wrappers for third-party
libraries

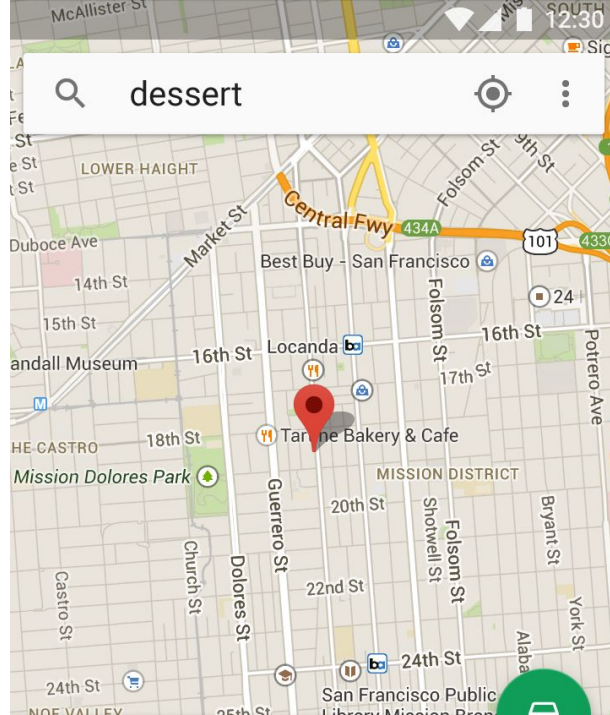


Iron elements



Paper elements

Material Design



Dandelion Chocolate

★★★★★ 4.7 (51)

12 min away

A screenshot of a mobile phone screen showing a Google Maps application. A white dialog box is centered on the screen, asking for location permissions. The background is a map of San Francisco, showing streets like Haight St, Duboce Ave, and Diamond Heights. The phone's status bar at the top shows the time as 12:30 and various icons. The bottom of the screen shows the Android navigation bar.

Use Google's location service?

Let Google help apps determine location. This means sending anonymous location data to Google, even when no apps are running.

[DISAGREE](#)

[AGREE](#)



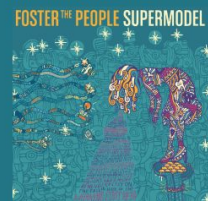
Unlimited music now

Listen to your favorite artists and albums
whenever and wherever, online and offline.

LISTEN NOW

Supermodel

Foster the People



Halcyon Days

Ellie Goulding



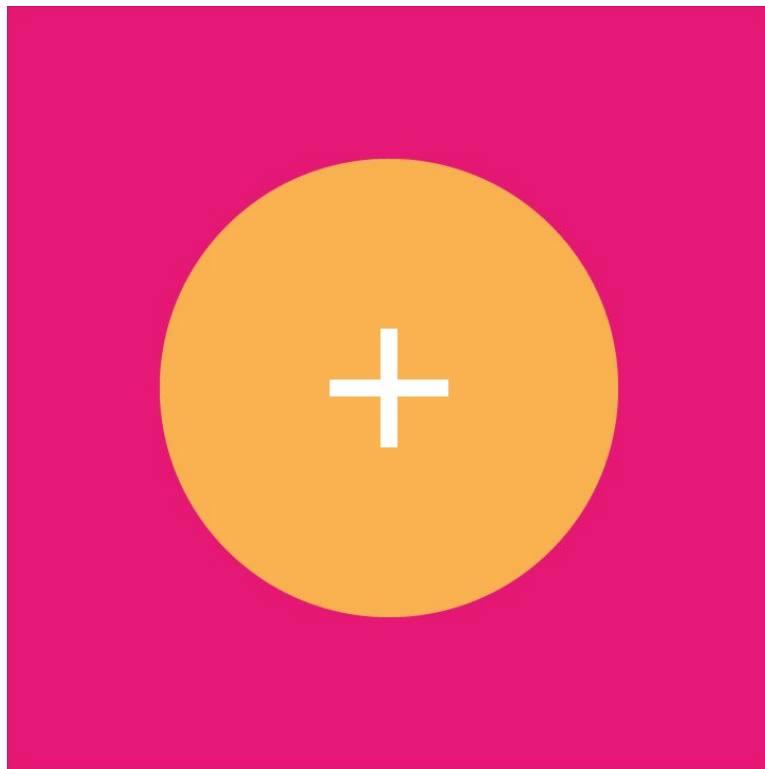
Goals

- Classic principles of good design.
- Unified and excellent experience.

Material is the metaphor



Bold, graphic and intentional



Web Components

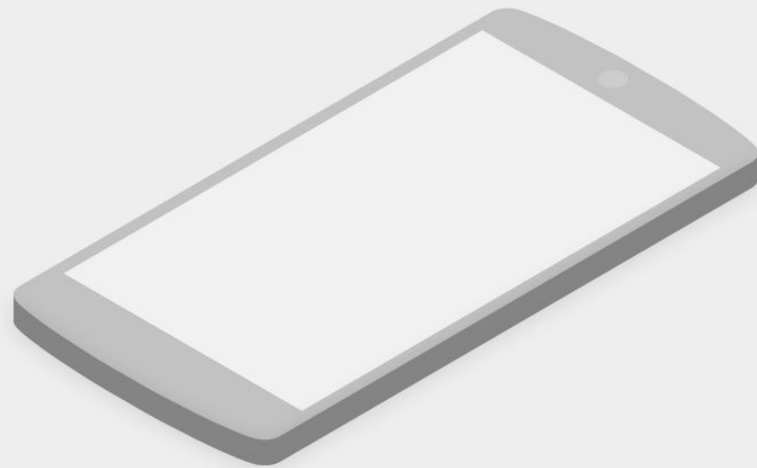
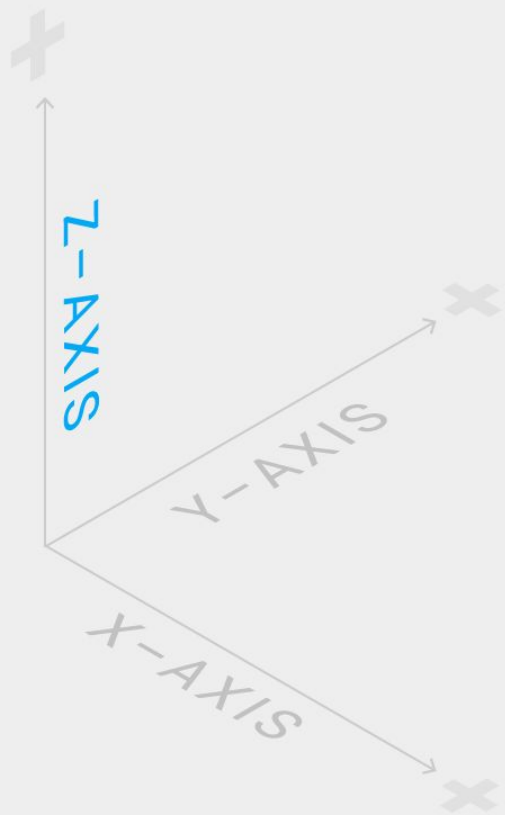
Less Code. Less confusion.

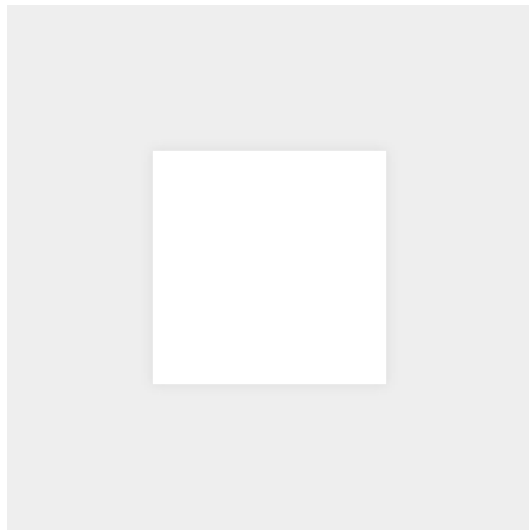
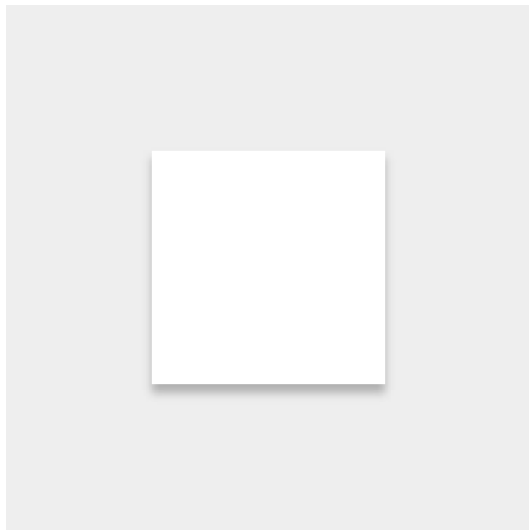
```
<paper-tabs>  
  <paper-tab>KNOWLEDGE</paper-tab>  
  <paper-tab>HISTORY</paper-tab>  
  <paper-tab>FOOD</paper-tab>  
</paper-tabs>
```

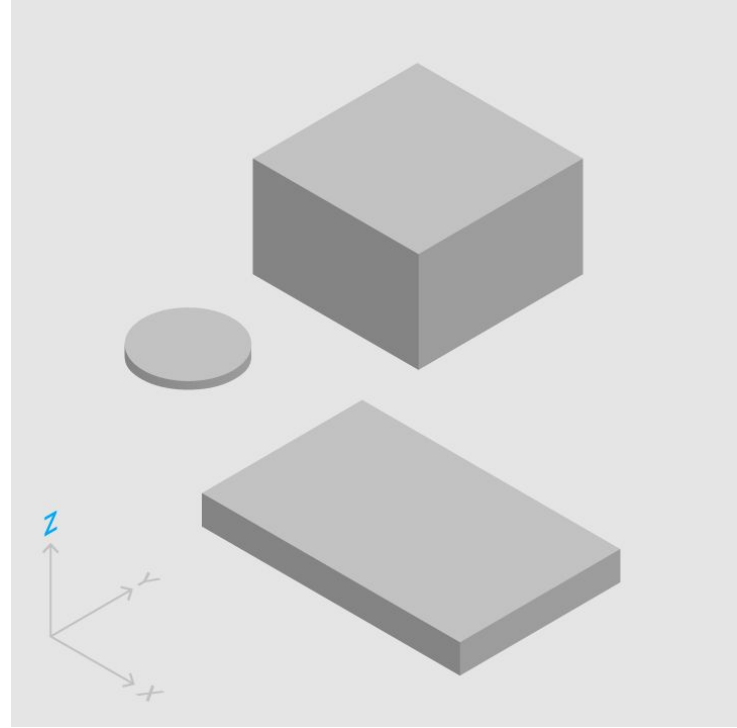
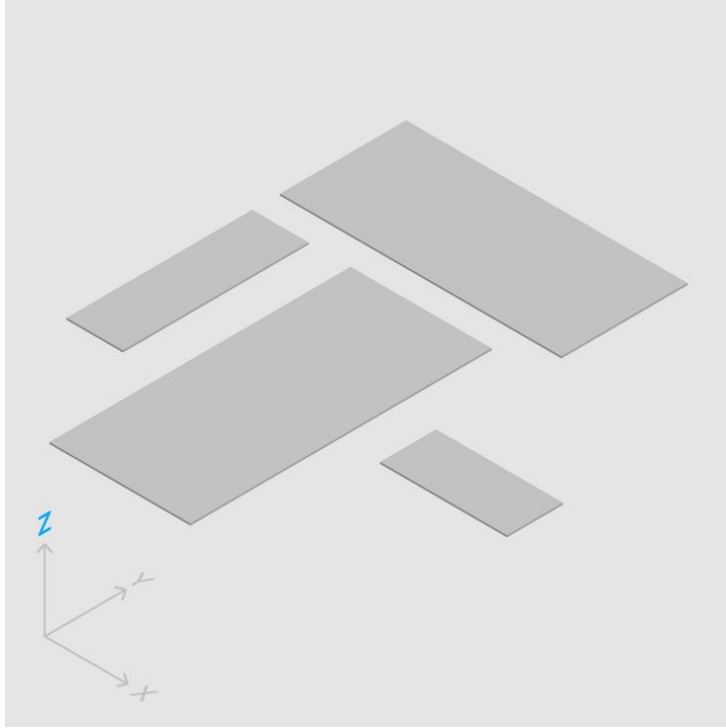


Motion Provides Meaning









Shadows

Content is displayed in any material

Changing shape

Z-axis motion with user interaction

Red	
500	#F44336
50	#FFEBEE
100	#FFCDD2
200	#EF9A9A
300	#E57373
400	#EF5350
500	#F44336
600	#E53935
700	#D32F2F
800	#C62828
900	#B71C1C
A100	#FF8A80
A200	#FF5252
A400	#FF1744
A700	#D50000

Pink	
500	#E91E63
50	#FCE4EC
100	#F8BBD0
200	#F48FB1
300	#F06292
400	#EC407A
500	#E91E63
600	#D81B60
700	#C2185B
800	#AD1457
900	#880E4F
A100	#FF80AB
A200	#FF4081
A400	#F50057
A700	#C51162

Purple	
500	#9C27B0
50	#F3E5F5
100	#E1BEE7
200	#CE93D8
300	#BA68C8
400	#AB47BC
500	#9C27B0
600	#8E24AA
700	#7B1FA2
800	#6A1B9A
900	#4A148C
A100	#EA80FC
A200	#E040FB
A400	#D500F9
A700	#AA00FF

Primary — Purple

500

#9B26AF

700

#7A1EA1

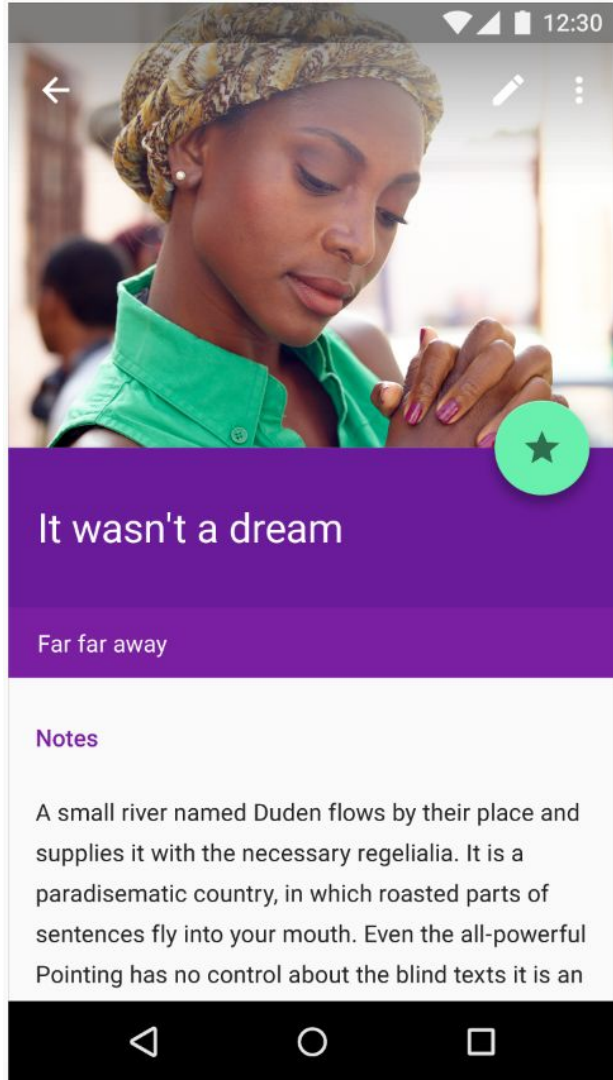
800

#691A99

Accent — Green

A200

#68EFAD



← Settings

Basics

Search engine

Google

Save passwords



Autofill forms



Google apps

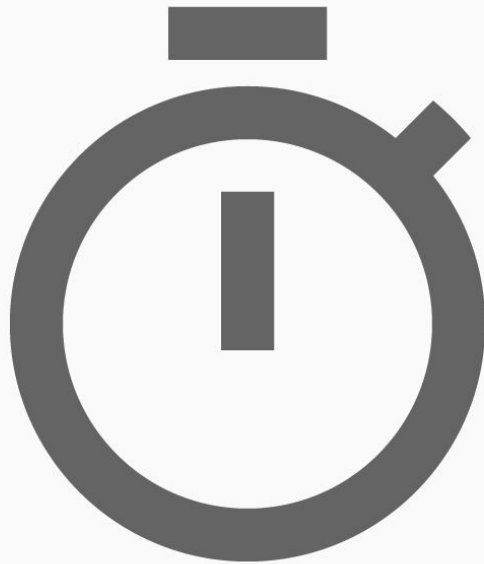
Advanced

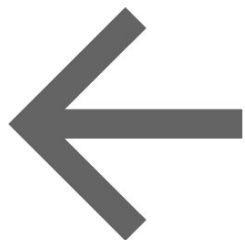
Voice search

Icons!

<https://design.google.com/icons/>

Icons






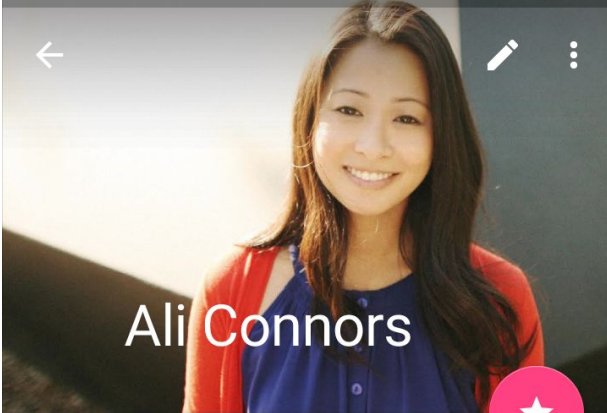















Ali Connors






(650) 555-1234


Mobile



(323) 555-6789

Work









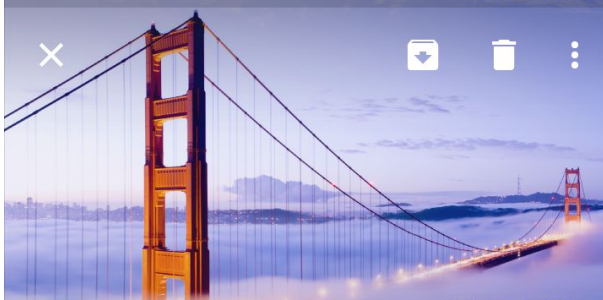
aliconnors@example.com


Personal

ali_connors@example.com

Work






JFK  SFO


eTicket confirmation for
#LDLPMF

CHECK IN

Virgin America Flight 22
Thu, Apr 4, Confirmation #45358886

New York, JFK	Terminal	Gate
6:05 AM	—	48






Add files

Files are saved instantly
so you don't lose them.

SKIP




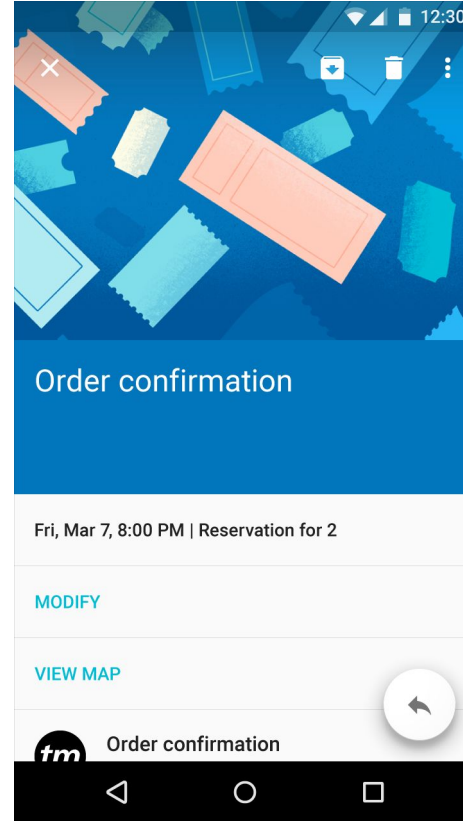
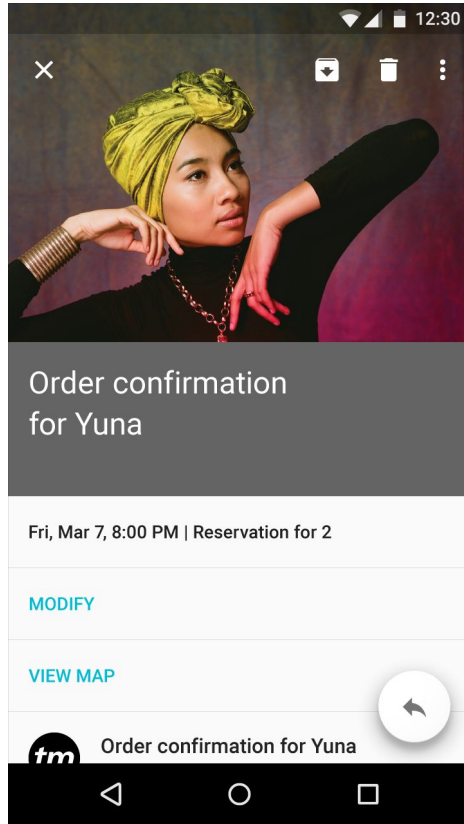
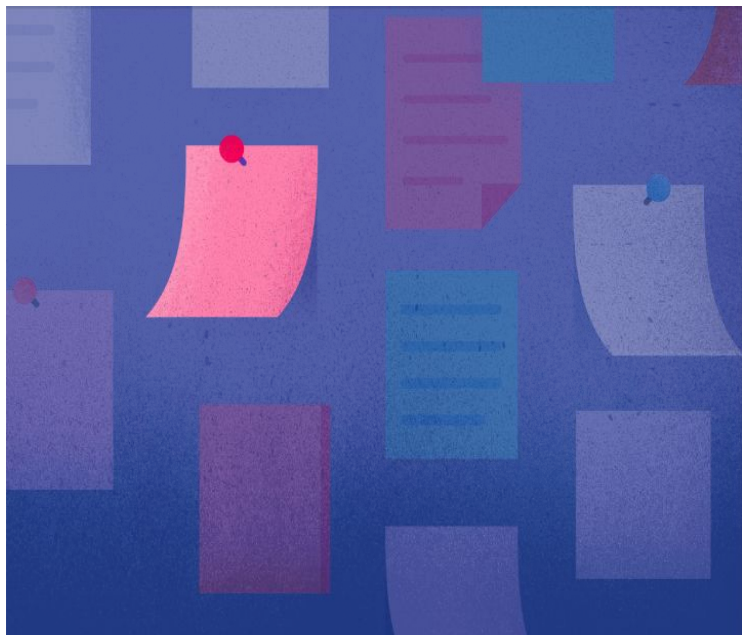
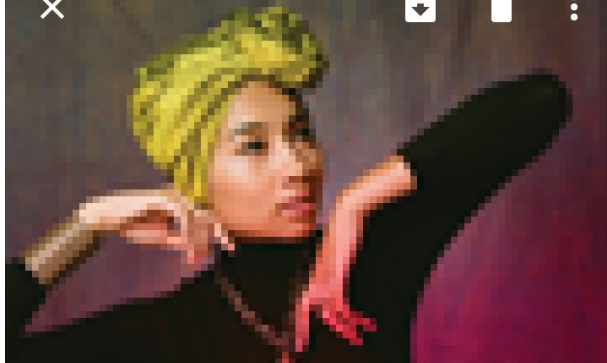


Illustration and photography







Order confirmation for Yuna

Fri, Mar 7, 8:00 PM | Reservation for 2

[MODIFY](#)

[VIEW MAP](#)



Order confirmation for Yuna



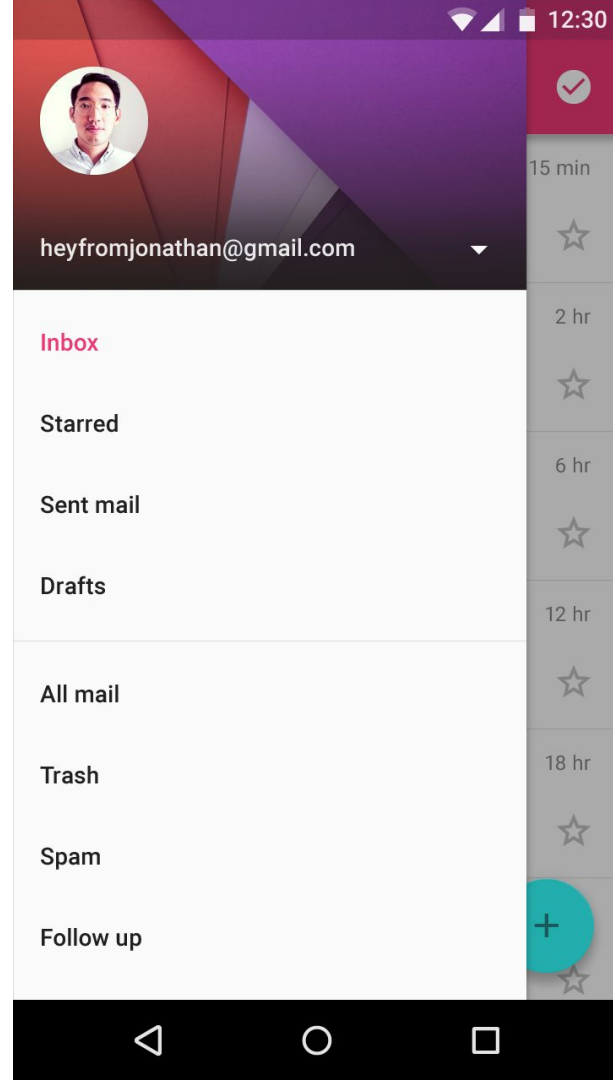
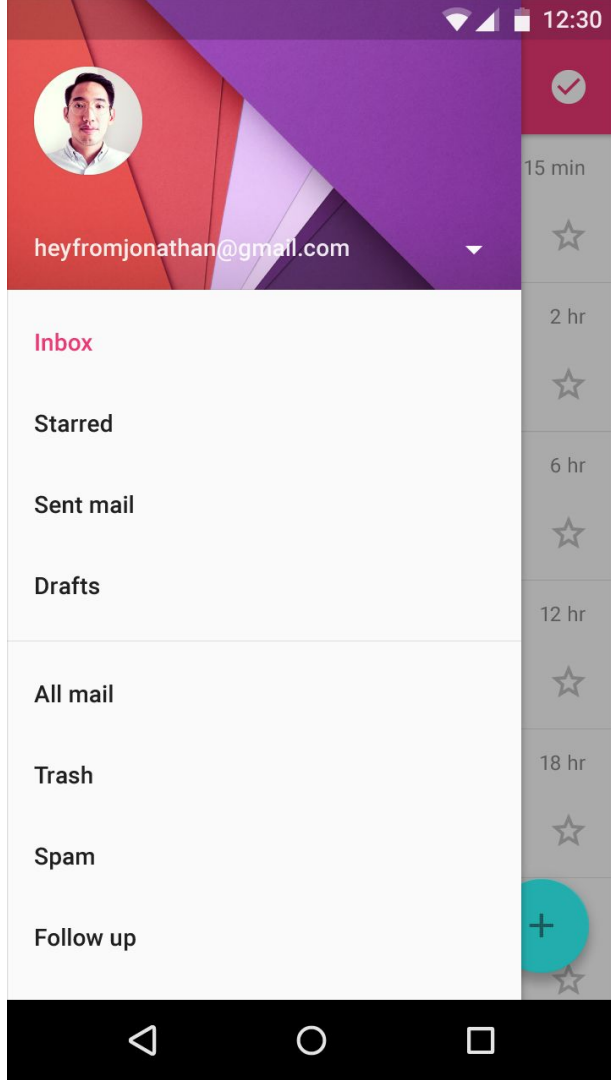


Fun times



123 photos







Title



Light 112sp

Regular 56sp

Regular 45sp

Regular 34sp

Regular 24sp

Medium 20sp

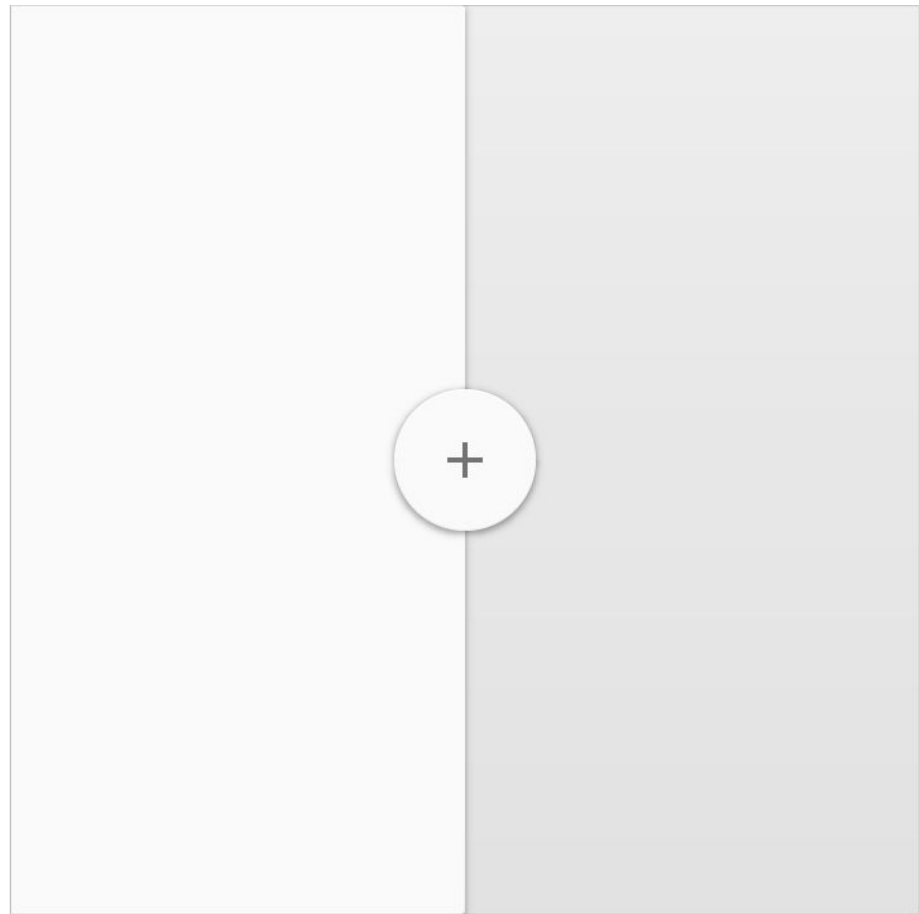
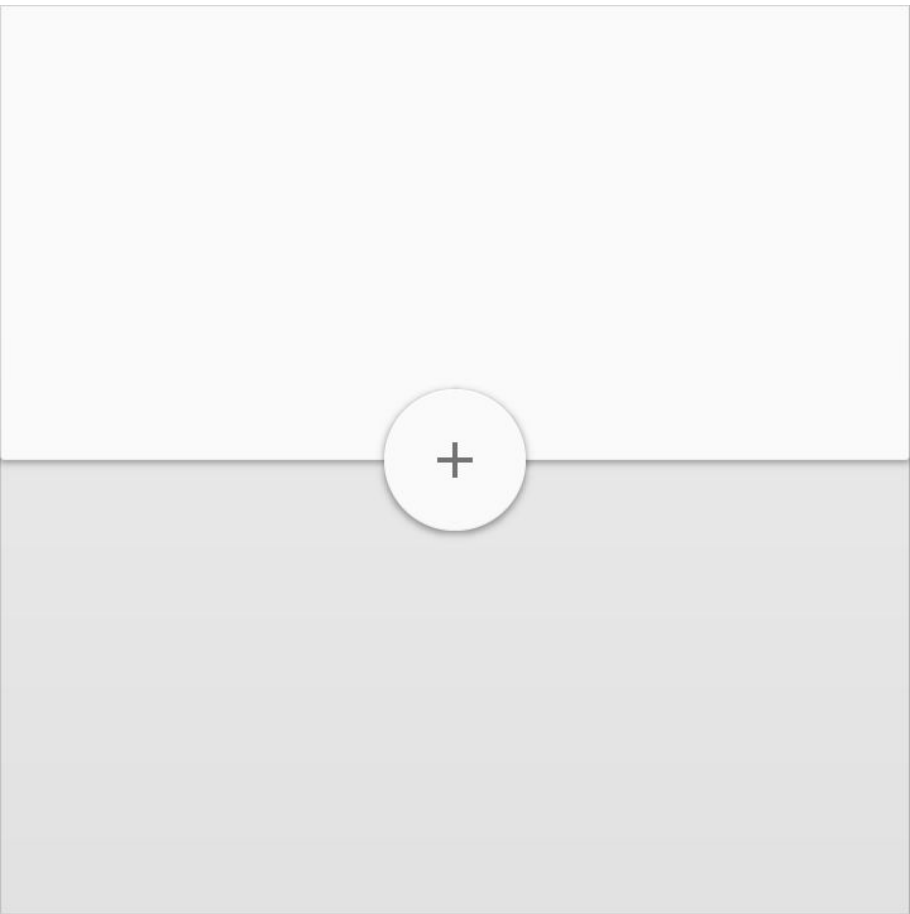
Regular 16sp (Device), Regular 15sp (Desktop)

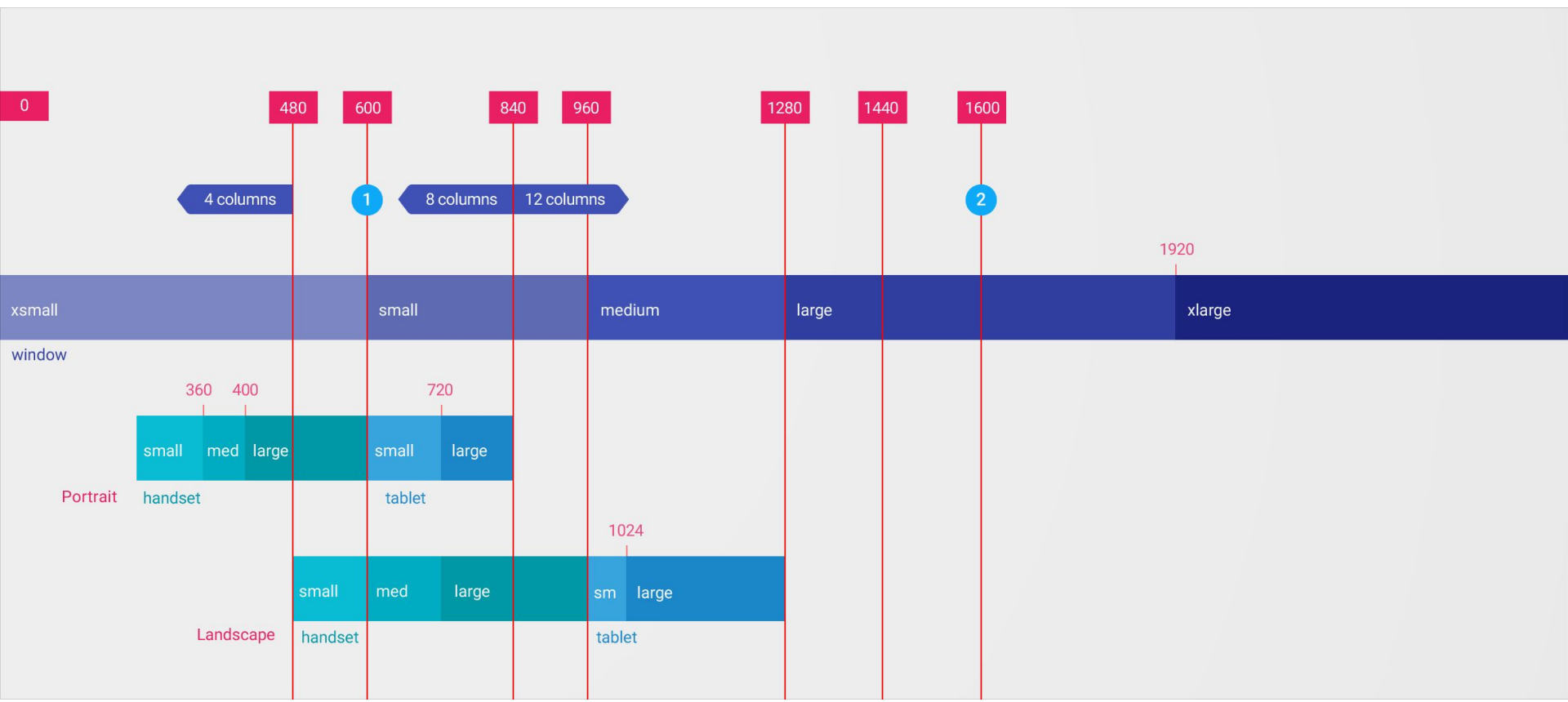
Medium 14sp (Device), Medium 13sp (Desktop)

Regular 14sp (Device), Regular 13sp (Desktop)

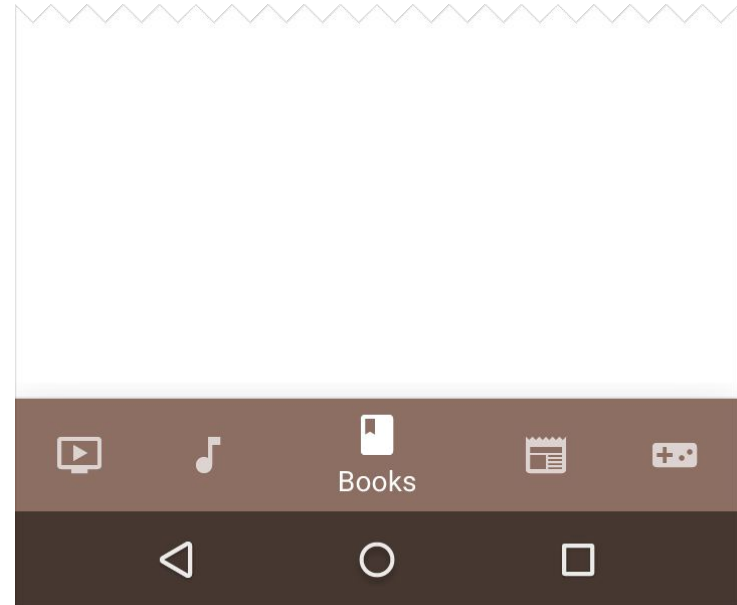
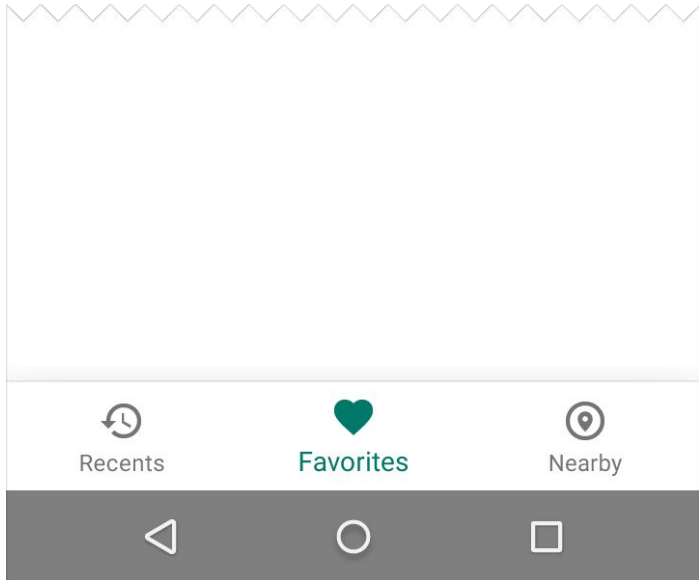
Regular 12sp

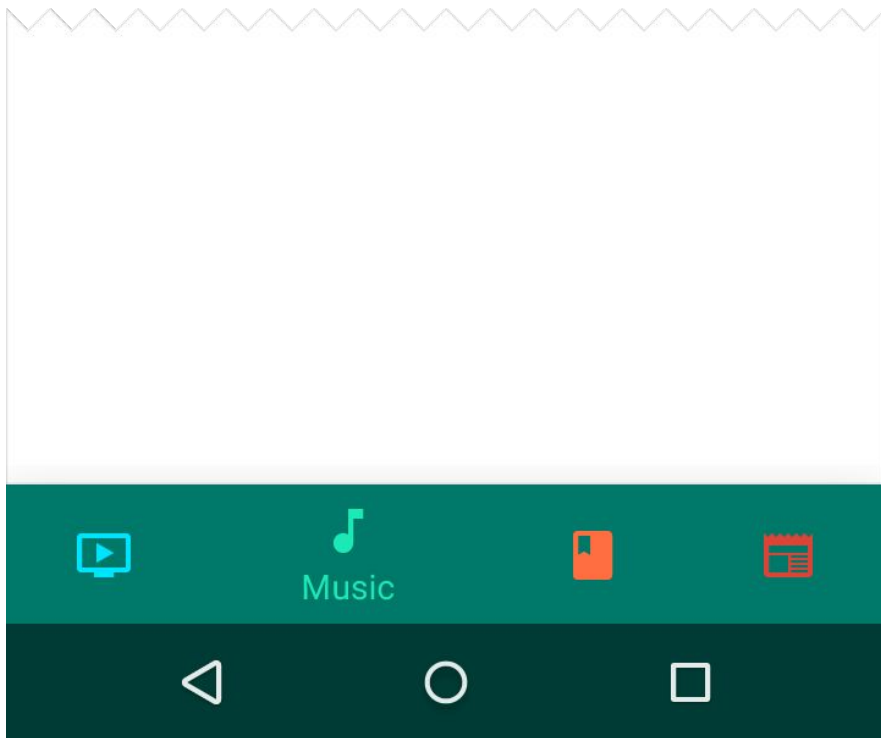
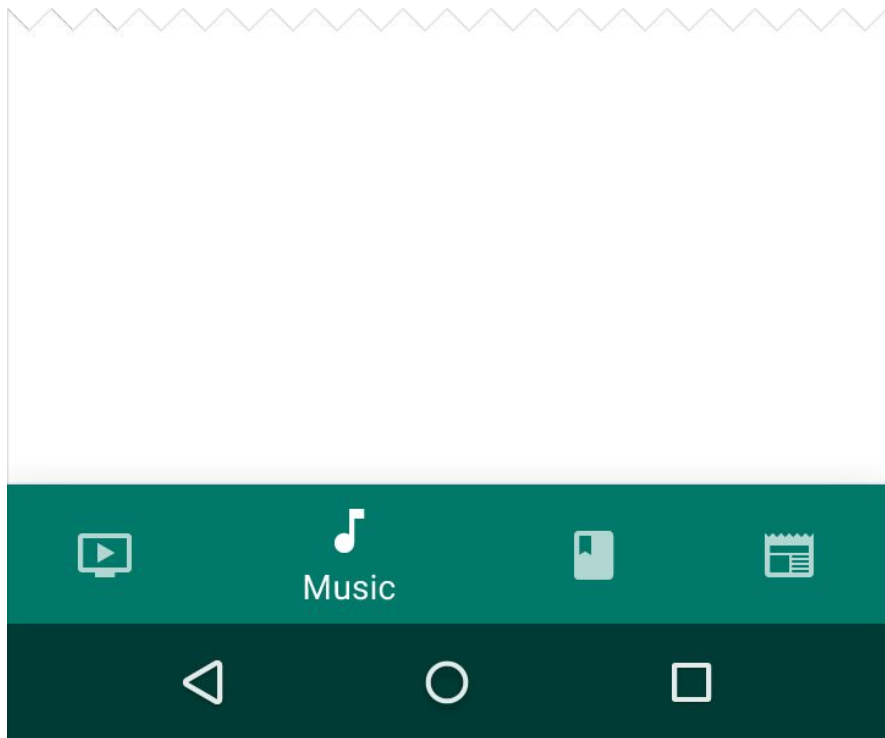
MEDIUM (ALL CAPS) 14sp





Button navigation





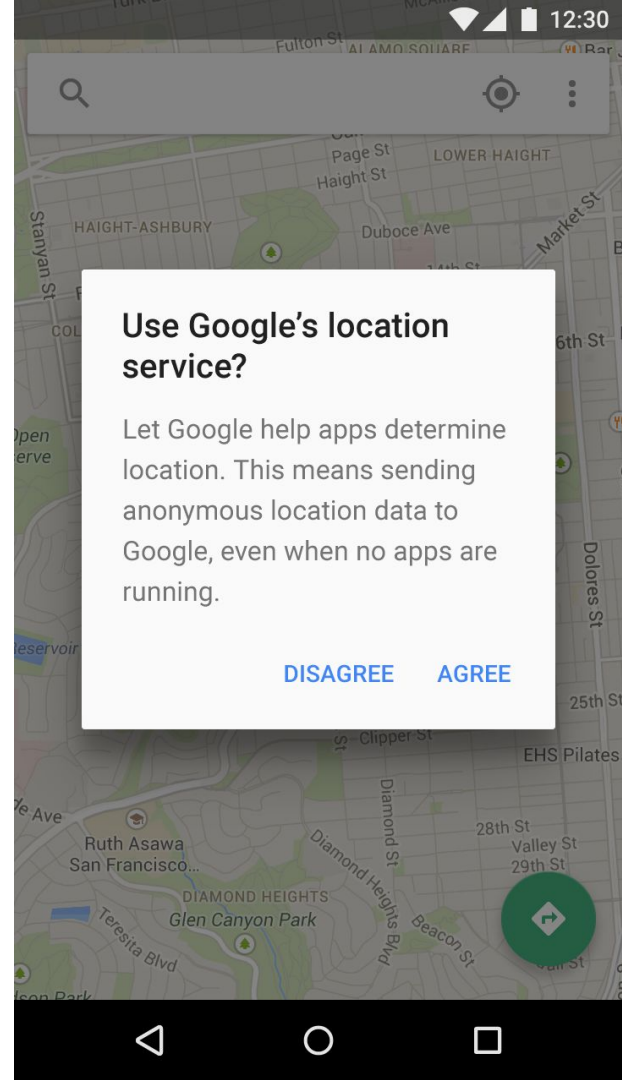
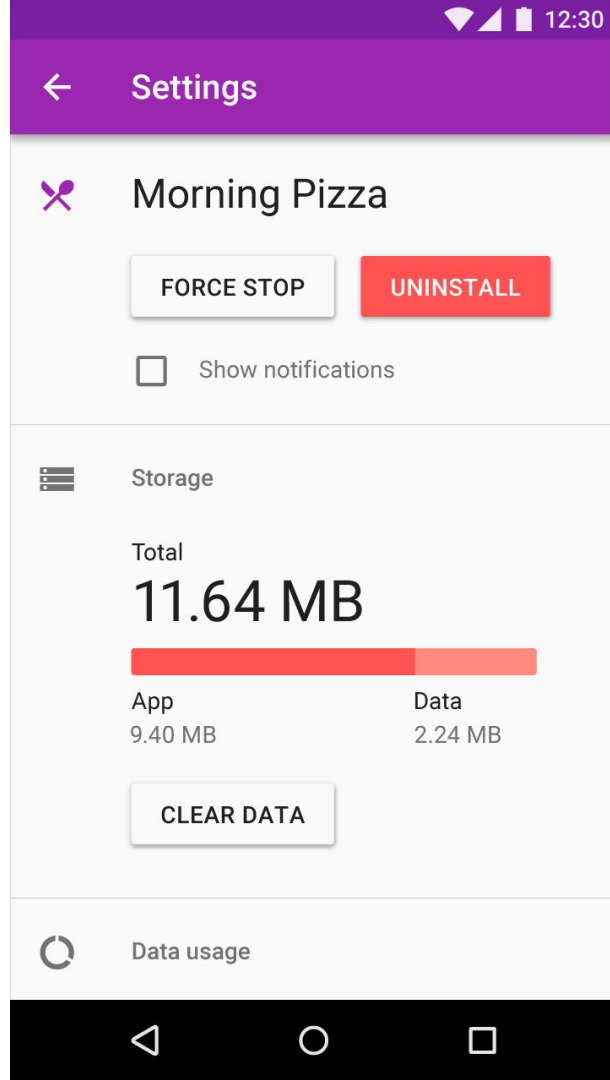
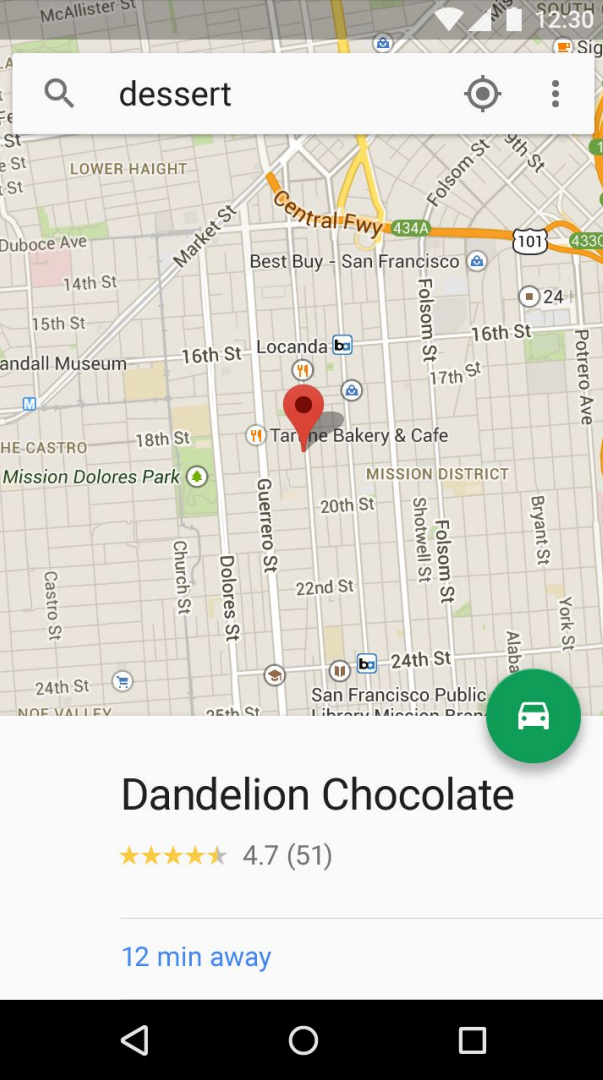


Buttons

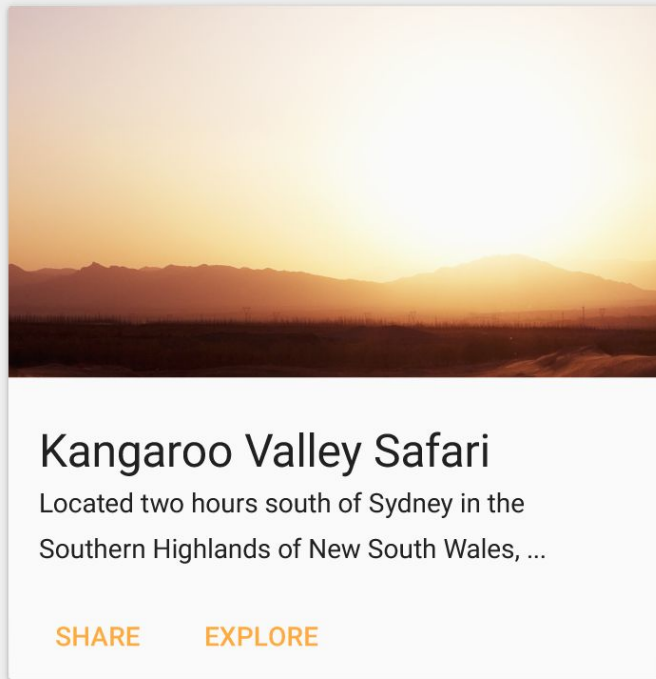


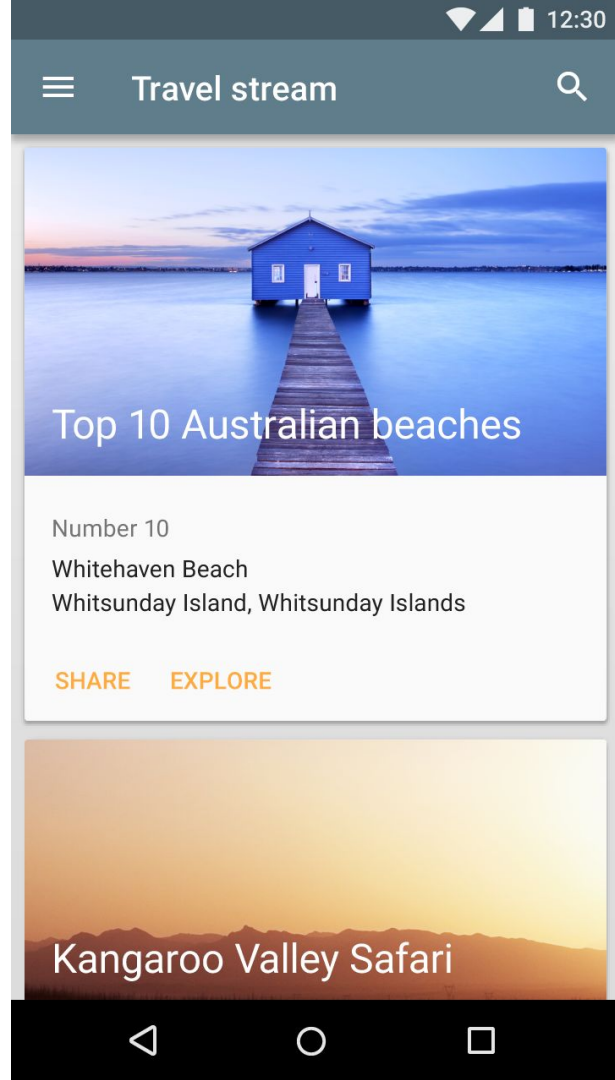
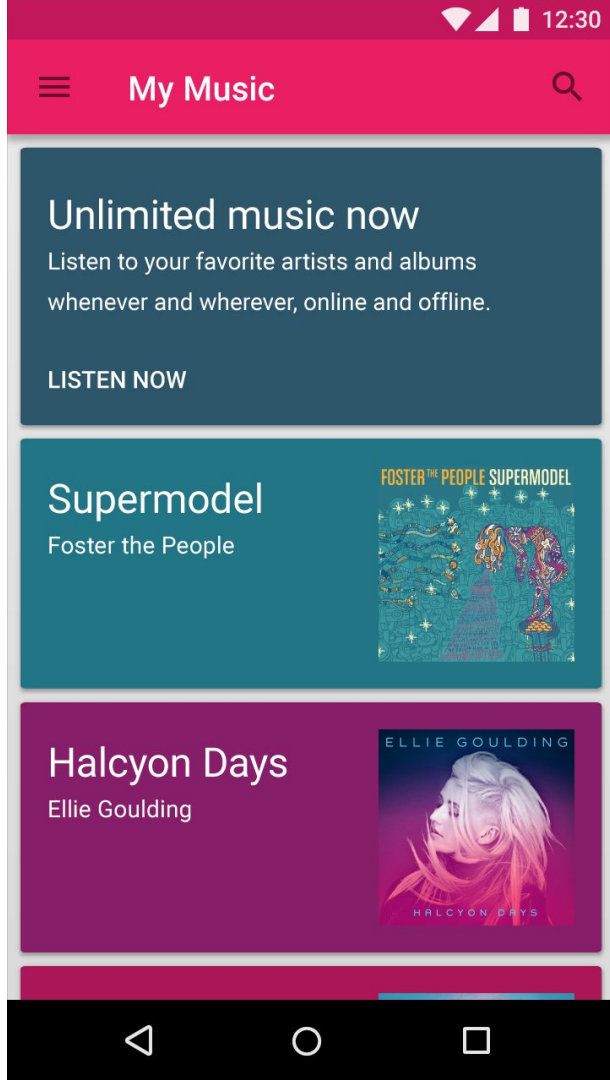
BUTTON

BUTTON

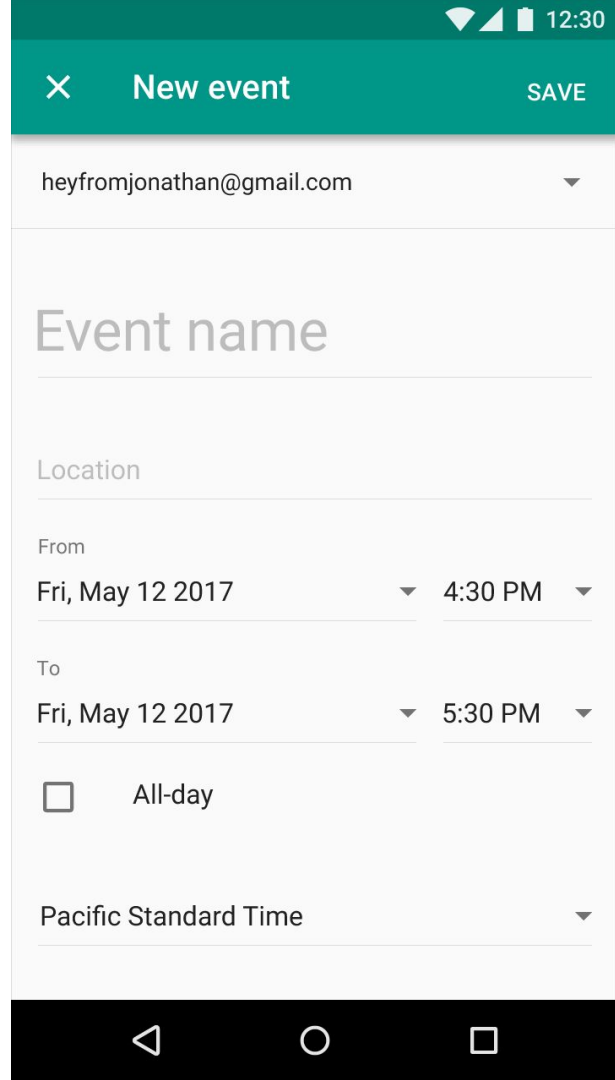
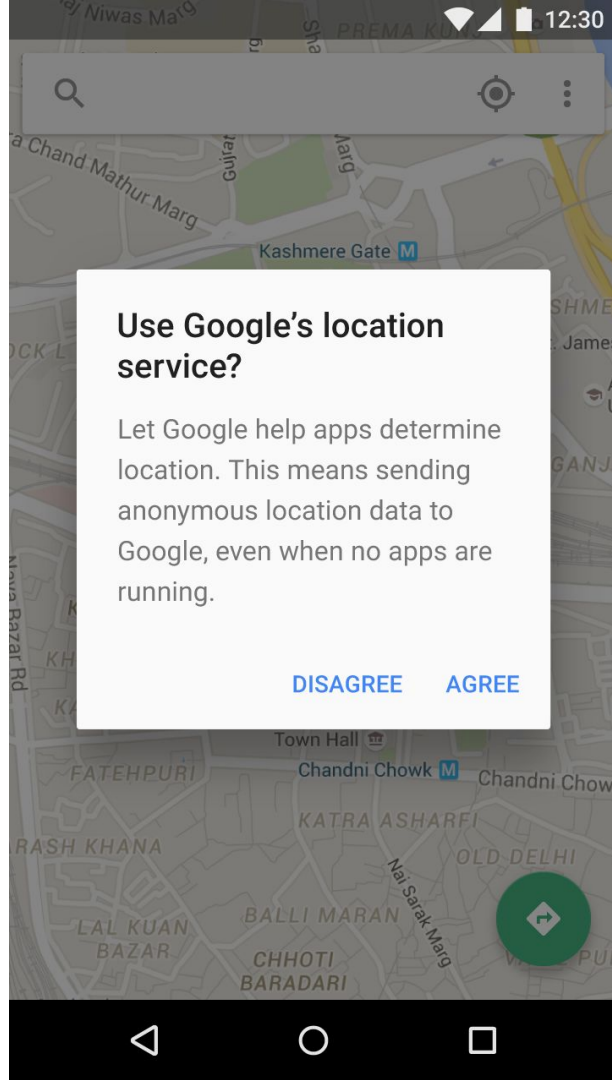


Cards



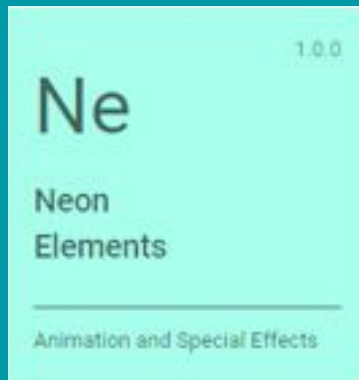


Dialogs

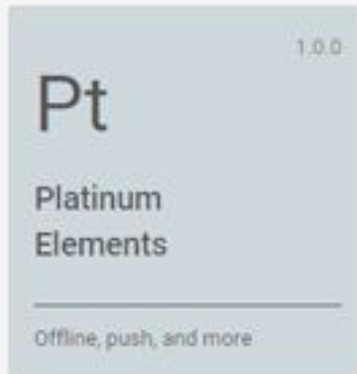




Gold elements



Neon elements



Platinum elements

Code time!!

- Import the web components.
- Run a server.
- Check documentation (main example).
- Change button (check documentation).
- Put it in a card (import it in html).
- Play with elevation.