

# Components and Services

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**Ajden Towfeek**

TECHNICAL EVANGELIST

@ajtowf

[towfeek.se](https://towfeek.se)

[youtube.com/c/AjdenTowfeek](https://youtube.com/c/AjdenTowfeek)

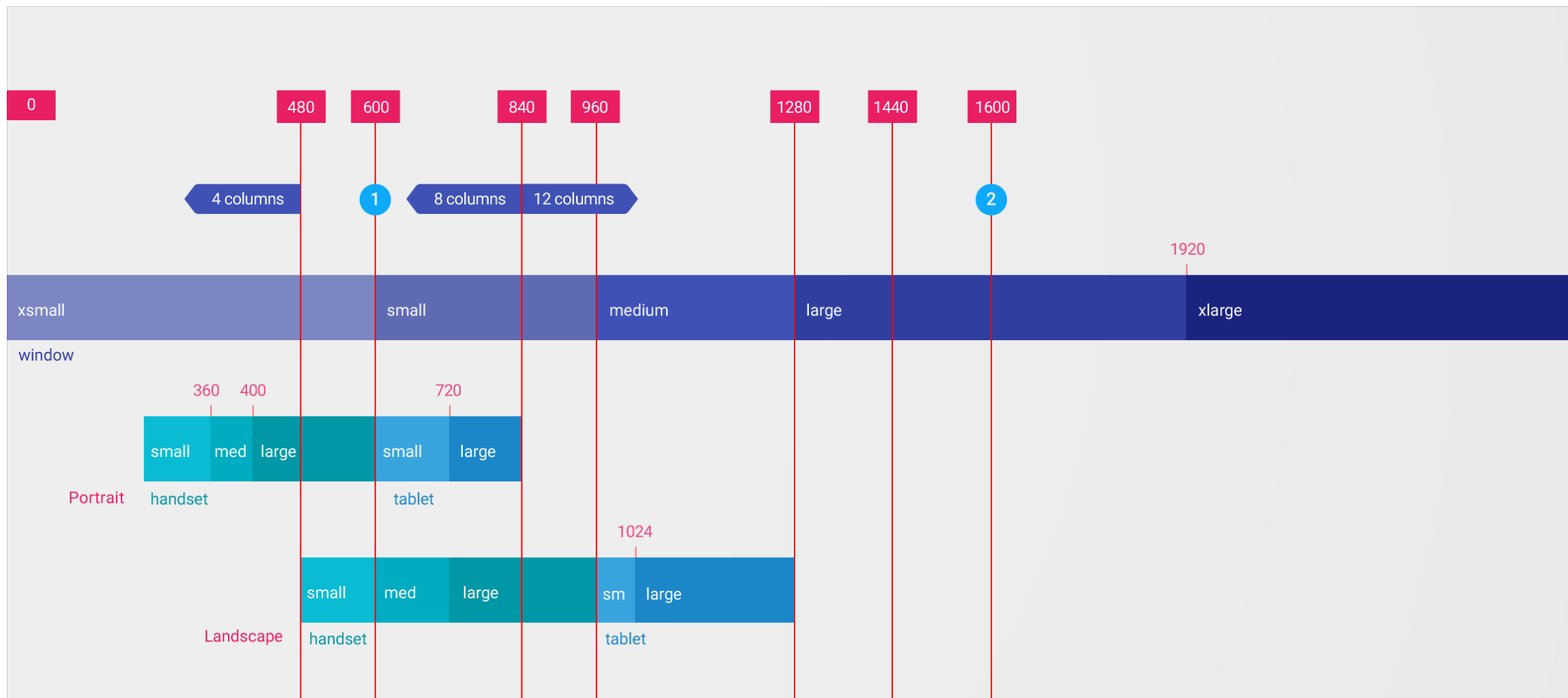


# Adaptive Layouts

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# Material Design Breakpoints

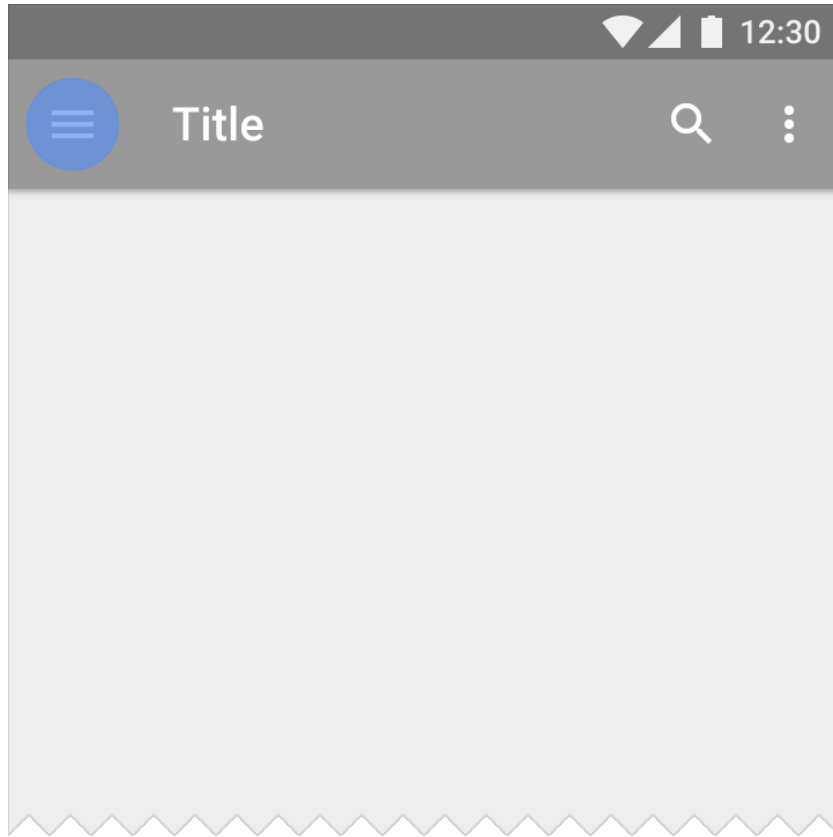


# API with Responsive Breakpoints

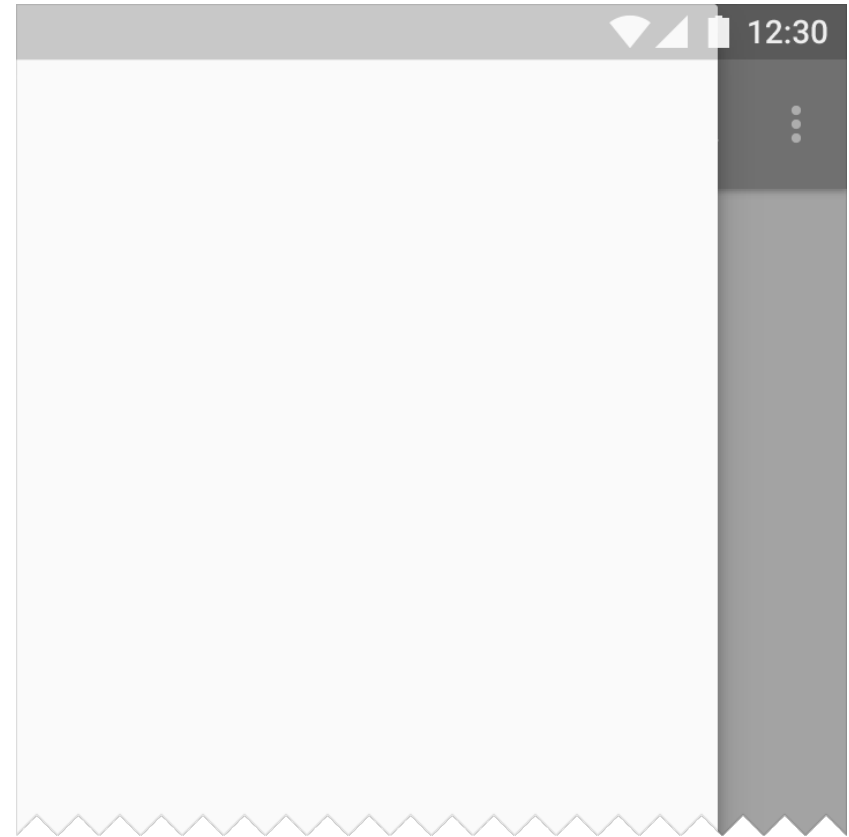
Layout API	Flex API	Activates when device
layout	flex	Sets default layout direction
layout-xs	flex-xs	width < 600px
layout-gt-xs	flex-gt-xs	width >= 600px
layout-sm	flex-sm	600px <= width < 960px
layout-gt-sm	flex-gt-sm	width >= 960px
layout-md	flex-md	960px <= width < 1280px
layout-gt-md	flex-gt-md	width >= 1280px
layout-lg	flex-lg	1280px <= width < 1920px
layout-gt-lg	flex-gt-lg	width >= 1920px
layout-xl	flex-xl	width >= 1920px



# Side Nav



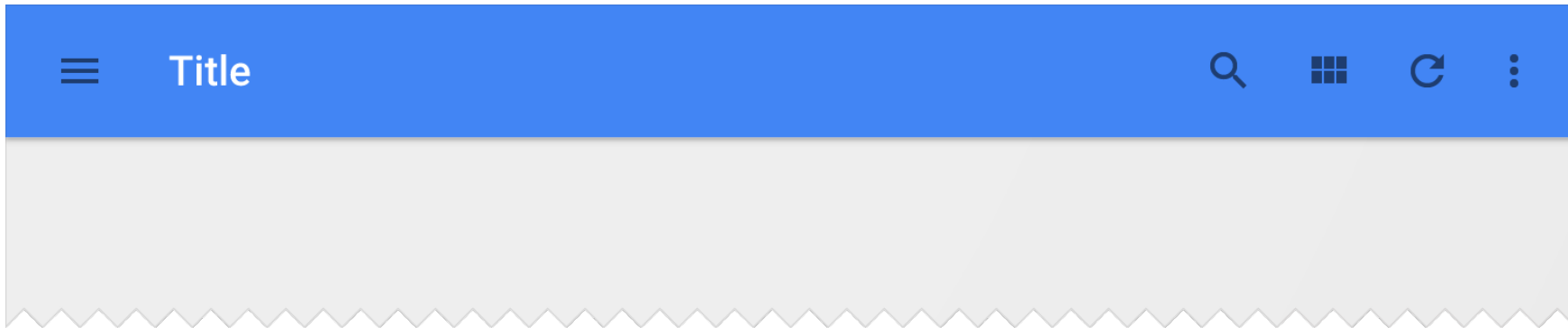
**Mobile Screen**



**Side Nav Menu**



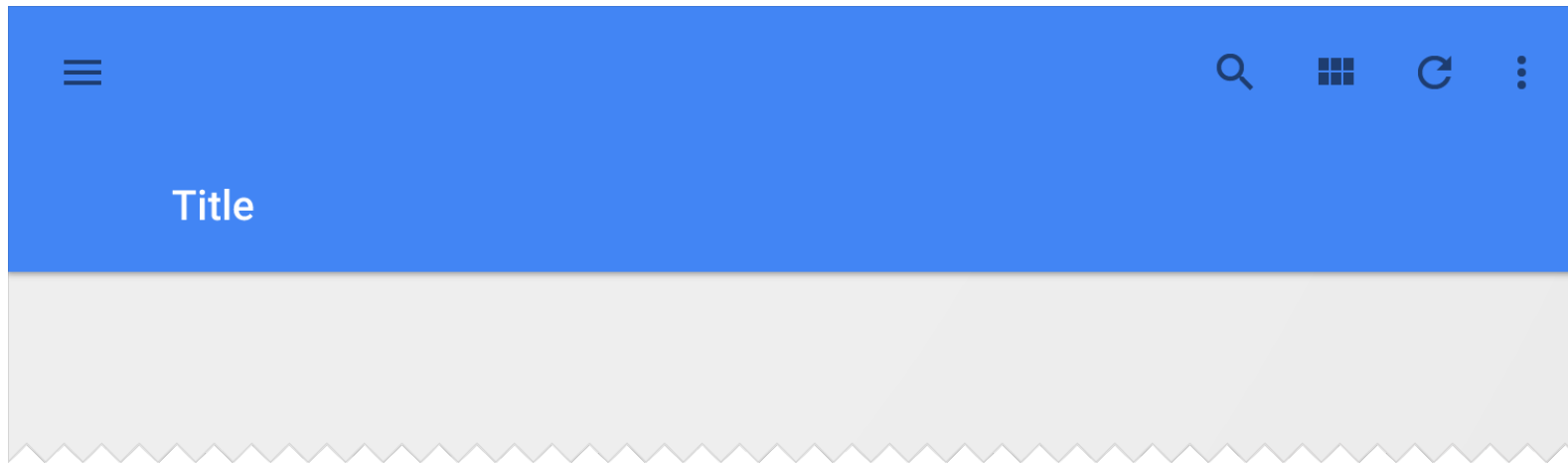
# Toolbar



**Full-width, default height app bar**



# Toolbar



**Full-width, extended height app bar**



# Toolbar



Column-width toolbars at multiple levels of hierarchy





# Themes

**Primary**

**Accent**

**Warn**



# Palettes

**Red**

**Pink**

**Purple**

**Deep-Purple**

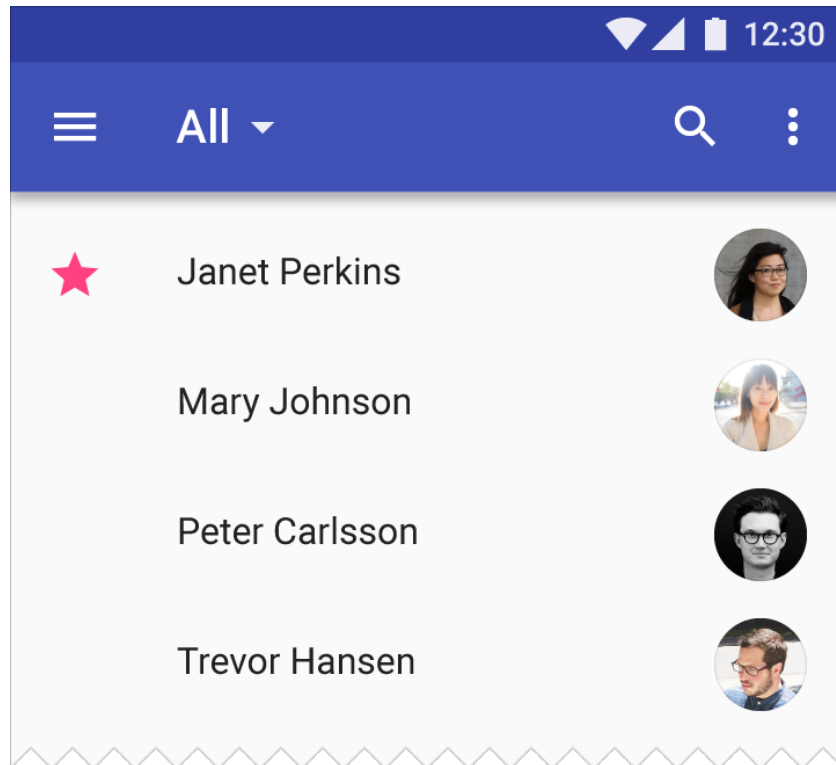
**Indigo**

**Blue**

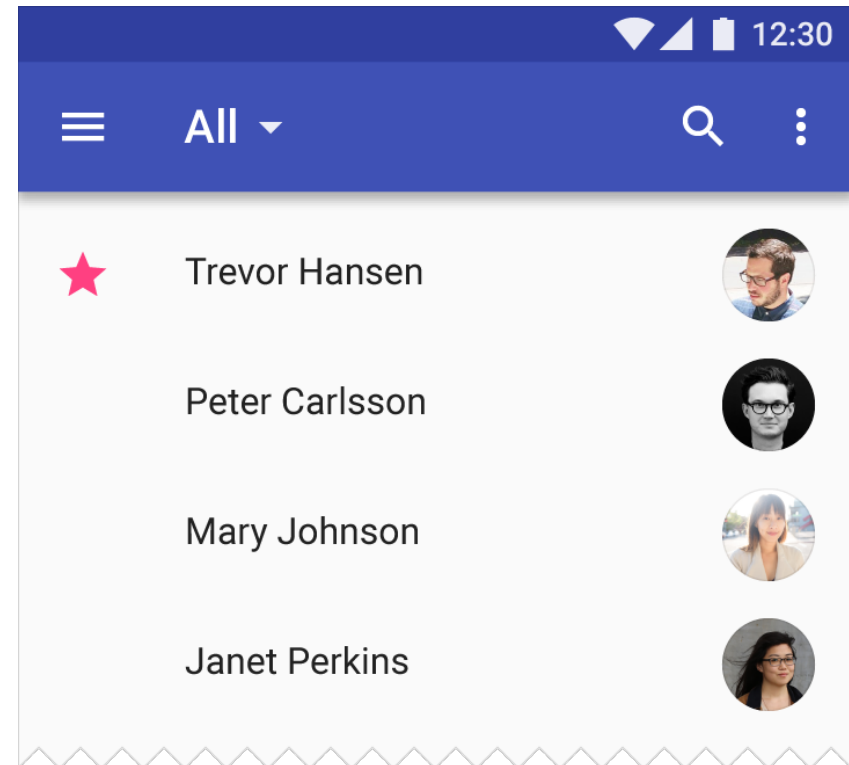
...



# Lists



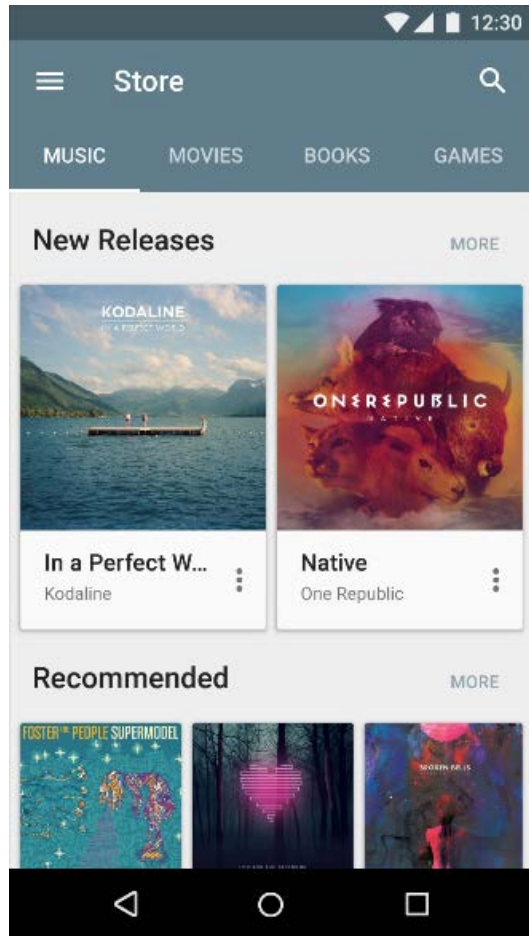
Do.



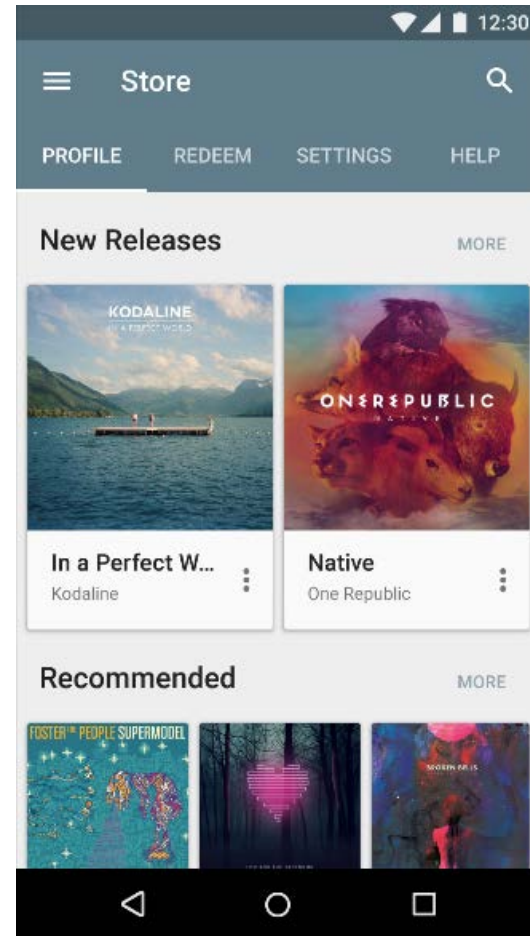
Don't.



# Tabs



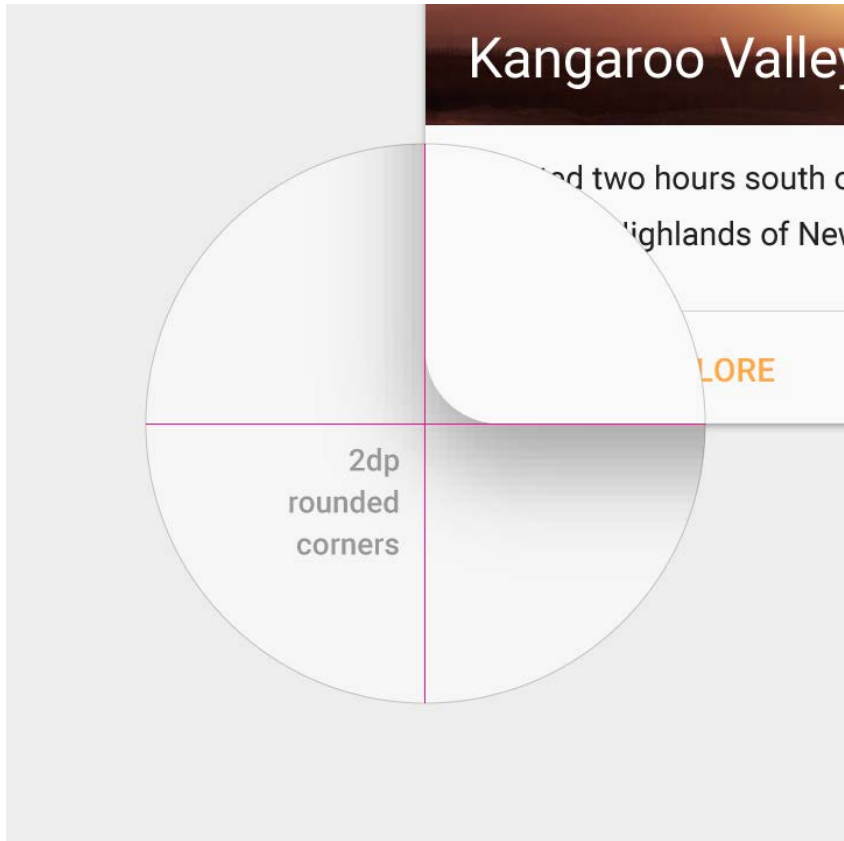
Do.



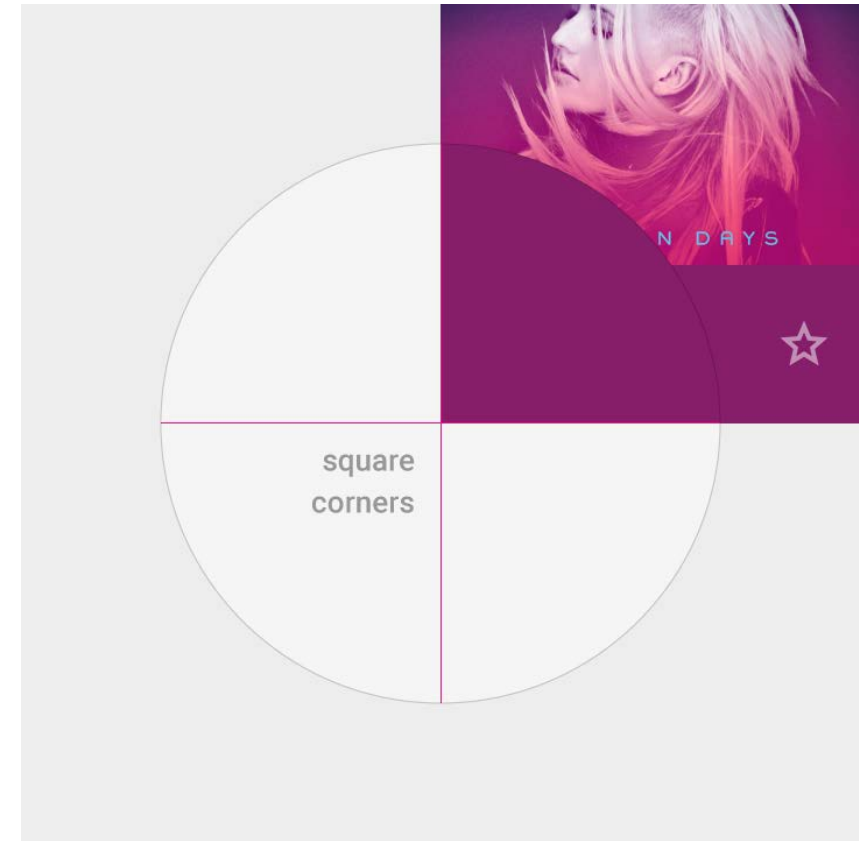
Don't.



# Cards



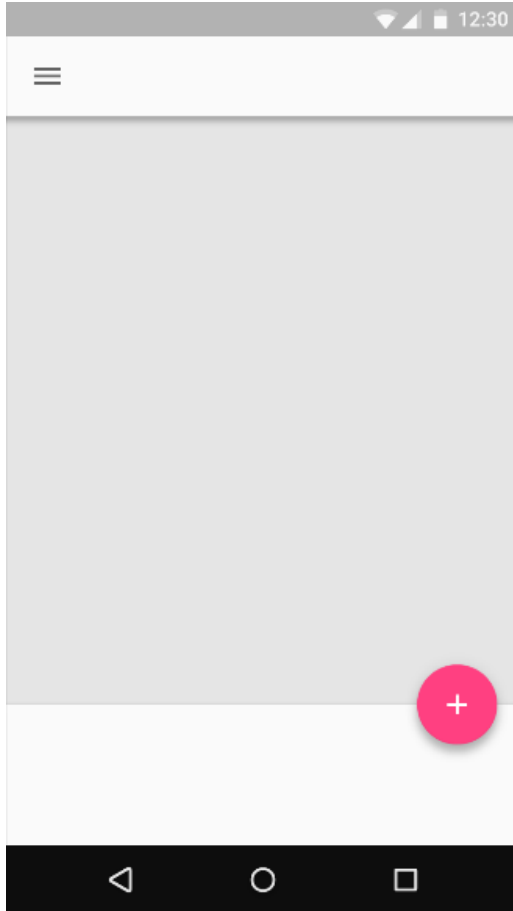
Do.



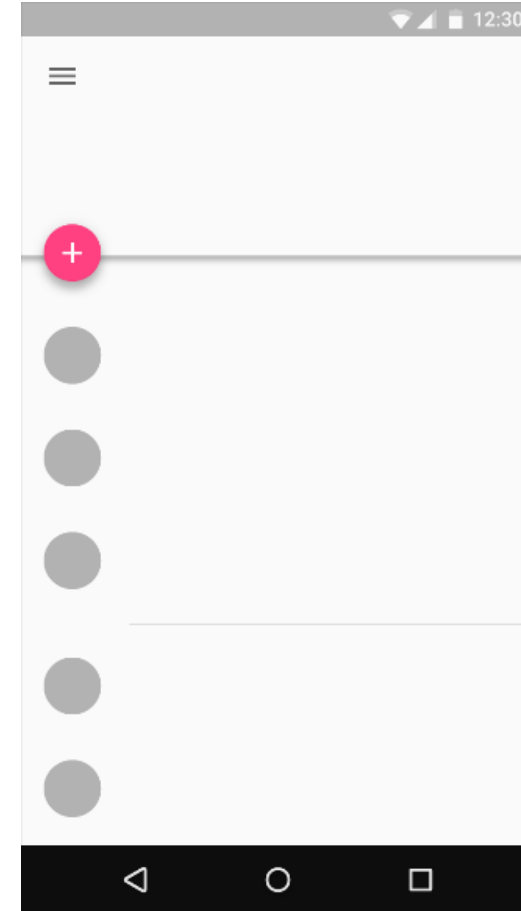
Don't.



# Floating Action Button



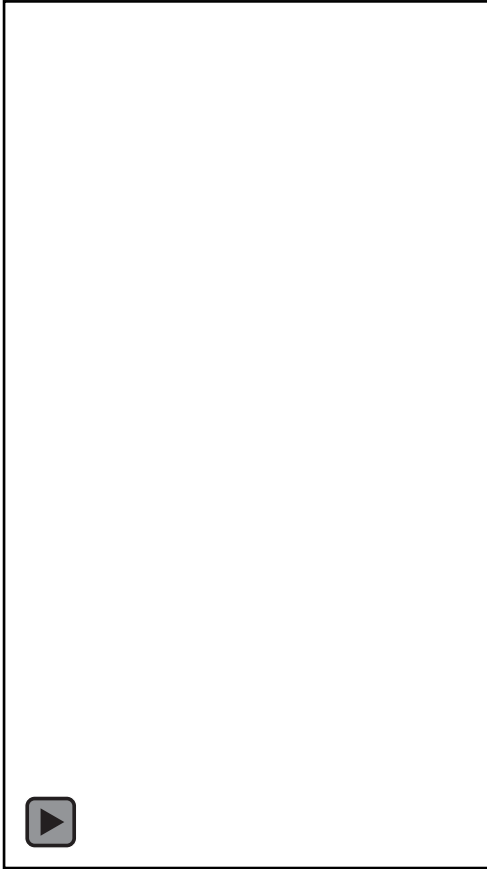
Floating action button



Mini floating action button



# Speed Dial



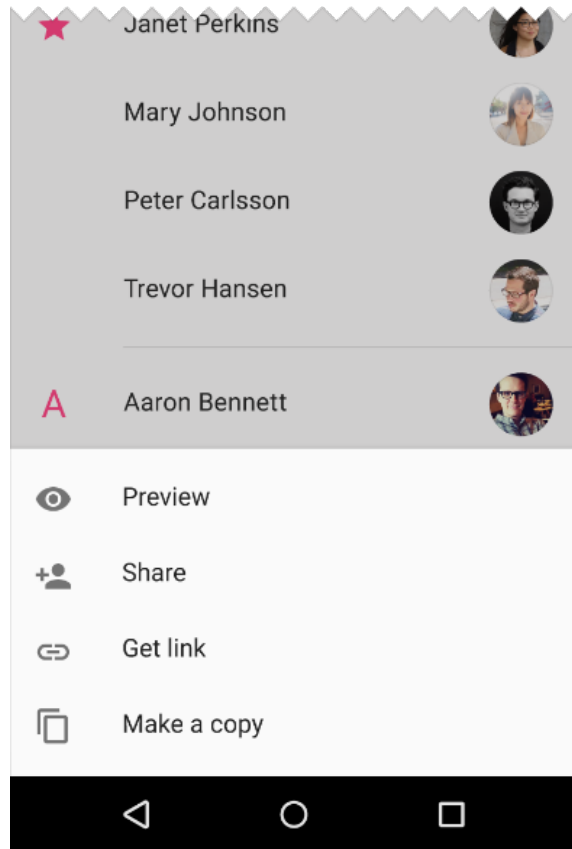
A floating action button  
flinging out related actions



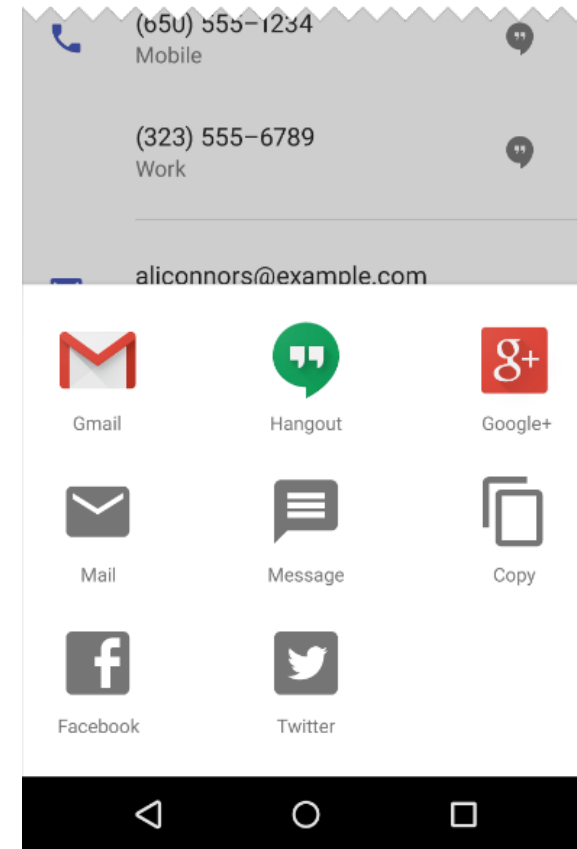
A floating action button  
flinging out related actions



# Bottom Sheets



A modal bottom sheet with a set of actions in a list



A modal bottom sheet with a set of actions in a grid





# Summary



**Adaptive Layouts**

**Side Navs and Toolbars**

**Theming**

**Lists, Cards and Tabs**

**Action Buttons**

**Bottom Sheets**

