

Google i/o 2018

Material Design

1. Material Design의 특징
2. Material Design이 디자이너에게 제공하는 것
3. Material Design이 개발자에게 제공하는 것
4. Material Design으로 협업하는 법

1. Material Design의 특징

Material Design의 특징



디자이너와 개발자
모두를 위한 것

Material Design의 특징



디자이너

개발자

정석적인 UI 디자인의
가이드라인을 제공

보다 더 다양하고 예쁜
리소스 제공

이를 보다 쉽게 개발하기
위한 오픈 소스 컴포넌트
를 제공

Material Design의 특징



디자이너

개발자

디자이너도 디자인 하기 쉽고,
개발자도 개발하기 쉬운 툴 제공

"Material Theme Editor"
Gallery, Color tool, Icons…

Material Design의 특징

디자이너와 개발자
모두를 위한 것

제품 제작 시간을 단축시켜 주는 Material Design!

디자이너

개발자

디자이너도 디자인 하기 쉽고,
개발자도 개발하기 쉬운 툴 제공

“Material Theme Editor”
Gallery, Color tool, Icons…

Material Design의 특징



다양한 플랫폼 제공

Material Design의 특징



Android

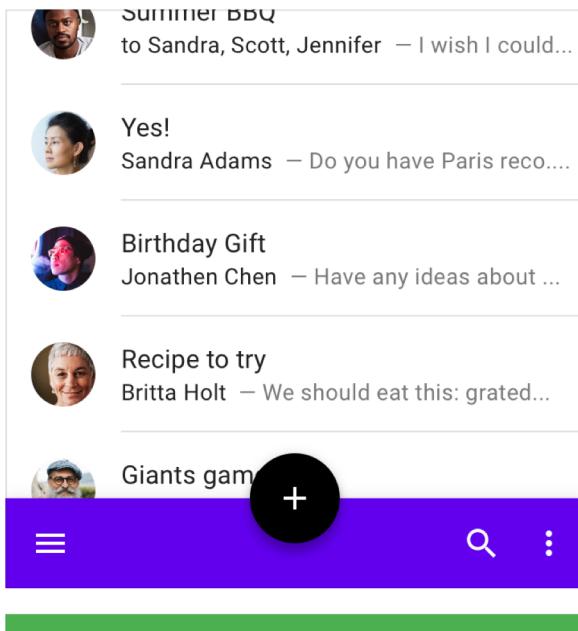
iOS

Web

Flutter

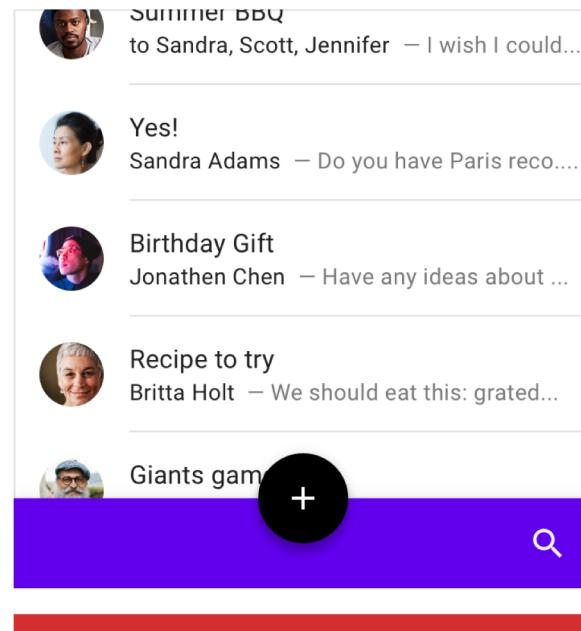
2. Material Design이 디자이너에게 제공하는 것

Material Design이 디자이너에게 제공하는 것



Do.

Use a bottom app bar to provide convenient access to actions.

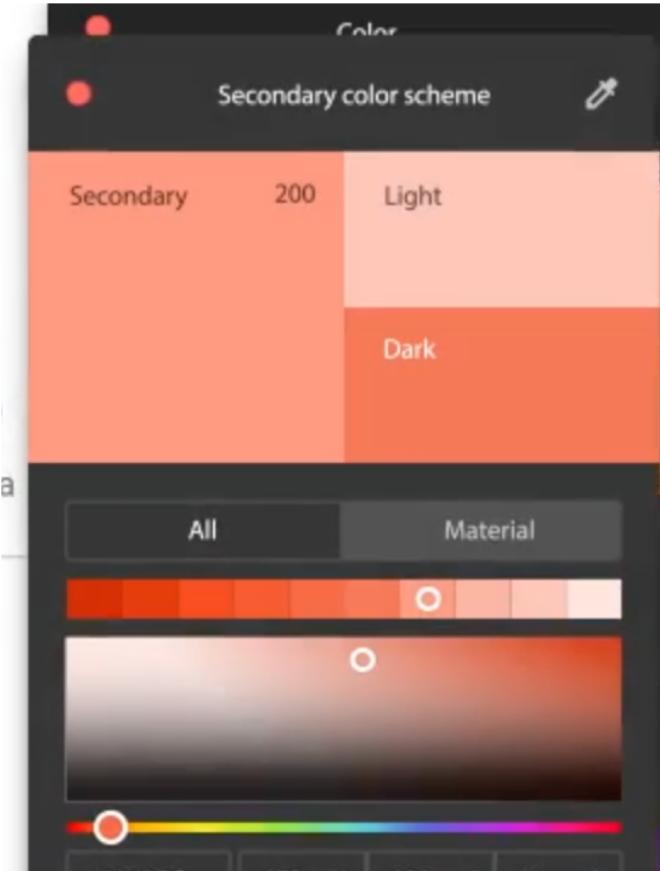


Don't.

Don't use a bottom app bar on screens with one or no actions (other than a FAB).

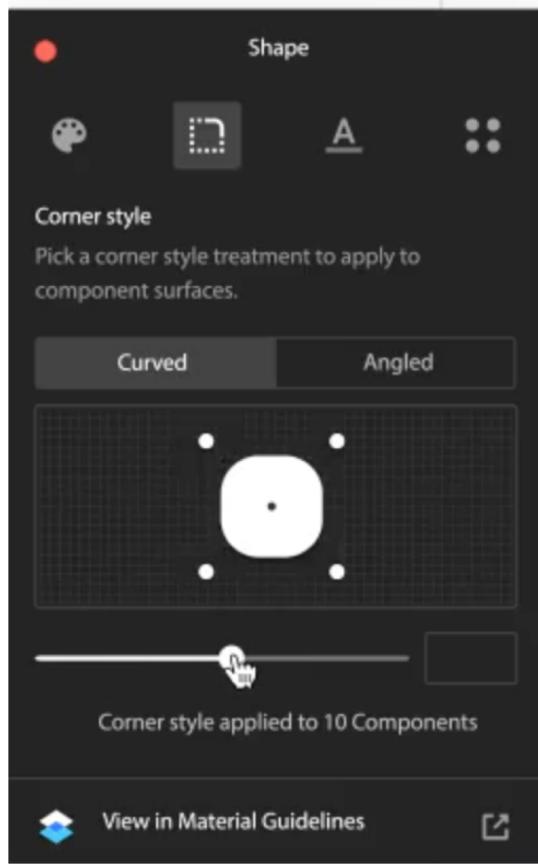
<https://material.io/design/>

Material Design이 디자이너에게 제공하는 것



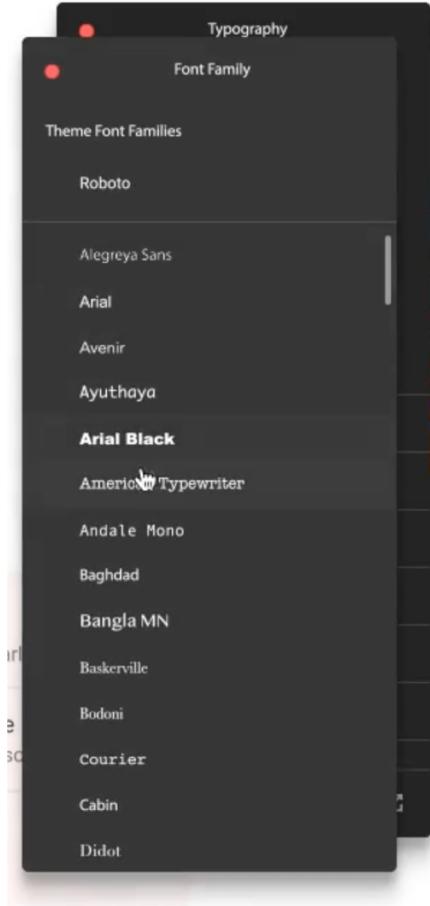
스케치 툴에 추가해서 사용 가능!
한 가지 색깔을 고르면 light, dark 색상까지 골라 주는 기능

Material Design이 디자이너에게 제공하는 것



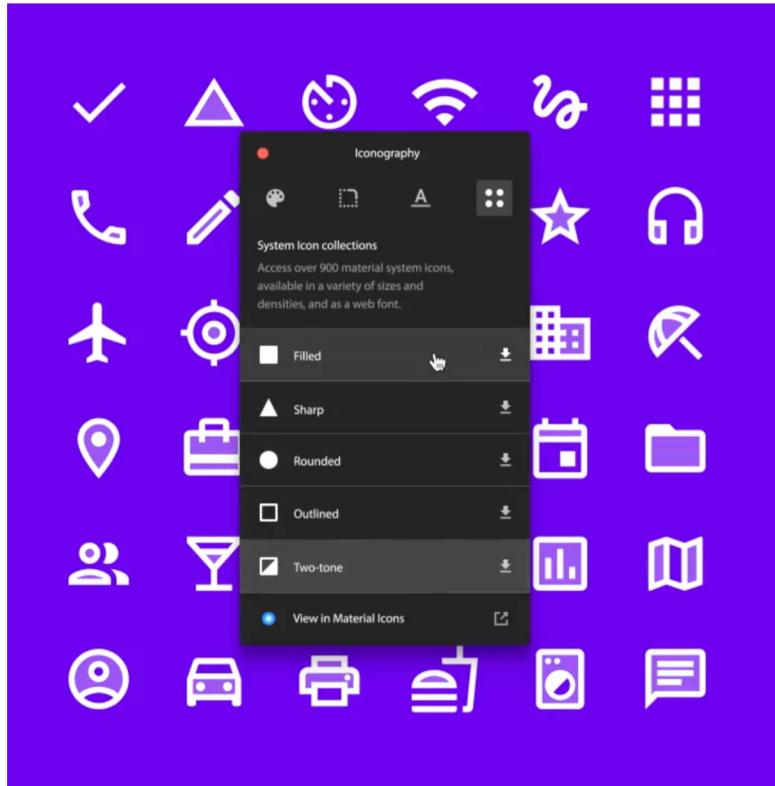
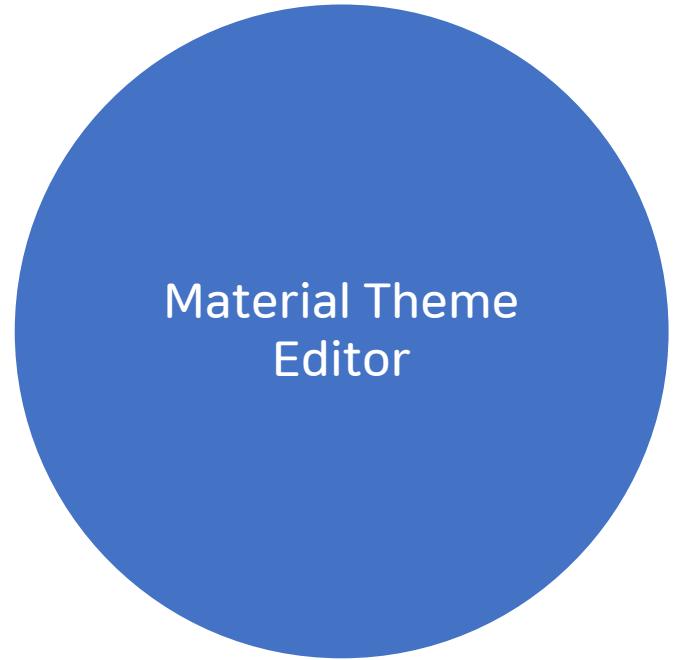
보다 쉽고 직관적인 모서리 처리!

Material Design이 디자이너에게 제공하는 것



Roboto 뿐만이 아닌 다양한 폰트를, 다양한 케이스로!

Material Design이 디자이너에게 제공하는 것



더 다양해진 아이콘 가짓수, 디테일한 선택

3. Material Design이 개발자에게 제공하는 것

Material Design이 개발자에게 제공하는 것



Android ▾	Web ▾	iOS ▾
Components	Components	Components
Bottom App Bar	Animation	Animation timing
Bottom Navigation	Auto Init	App bars: bottom
Bottom Sheets	Base	App bars: top
Chips	Buttons	Bottom navigation
Collapsing Toolbars	Cards	Buttons
Floating Action Buttons	Chips	Cards
Material Button	Dialogs	Chips
Material Card	Drawers	Dialogs
Modal Bottom Sheets	Elevation	Feature highlight
Navigation Views	Grid Lists	Flexible header
Snackbars	Image List	Ink
Tab Layout	Inputs and Controls	Library info
Text Fields	Layout Grid	Masked transitions
Top App Bars	Linear Progress	Page control
	Lists	Palettes
	Menus	Progress indicators



Getting started with Material Components for Android

1. Depend on our library

Material Components for Android is available through Google's Maven repository. To use it:

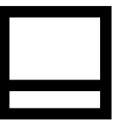
1. Open the `build.gradle` file for your application.
2. Make sure that the `repositories` section includes a maven section with the "<https://maven.google.com>" endpoint. For example:

```
allprojects {  
    repositories {  
        jcenter()  
        maven {  
            url "https://maven.google.com"  
        }  
    }  
}
```

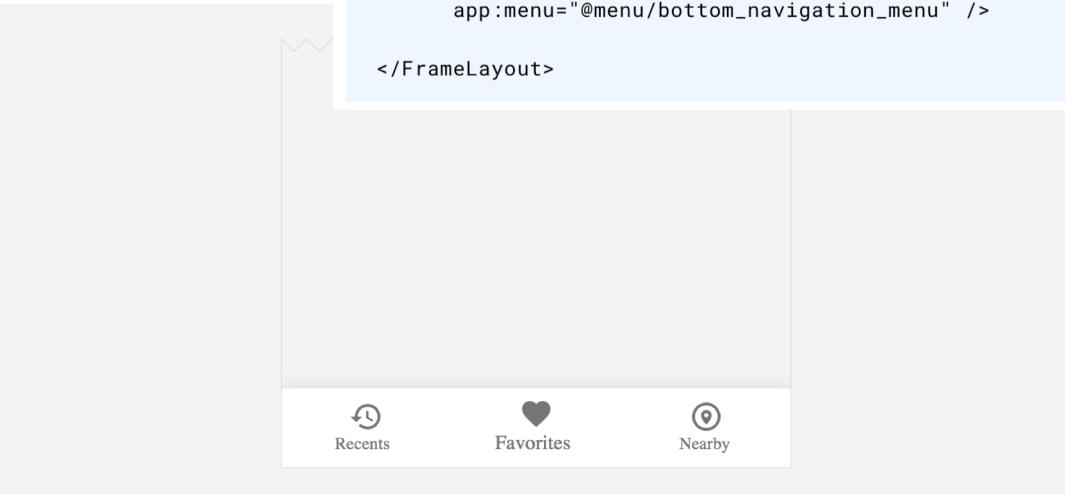
3. Add the library to the `dependencies` section:

```
dependencies {  
    // ...  
    compile 'com.google.android.material:material:1.0.0-alpha1'  
    // ...  
}
```

Material Design이 개발자에게 제공하는 것



Bottom N

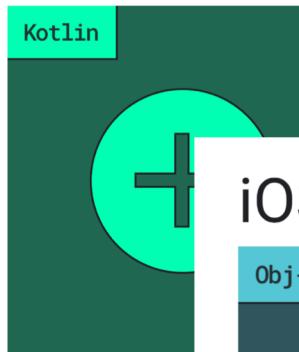


```
<FrameLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent">  
  
    <!-- Main content -->  
  
    <com.google.android.material.bottomnavigation.BottomNavigationView  
        android:id="@+id/bottom_navigation"  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:layout_gravity="bottom"  
        android:background="@color/colorPrimary"  
        app:itemIconTint="@color/white"  
        app:itemTextColor="@color/white"  
        app:menu="@menu/bottom_navigation_menu" />  
  
</FrameLayout>
```

Material Design이 개발자에게 제공하는 것



Android – Kotlin



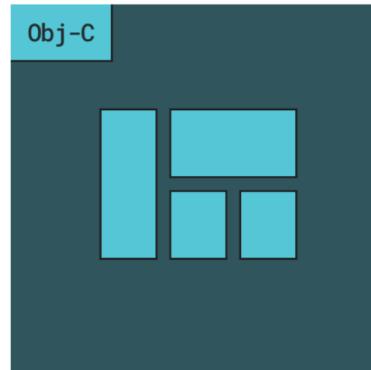
Kotlin 101: Material basics
Learn the basics of using Material Components for Android by building a simple app with core components in Kotlin.



Objective C 101: Material basics
Learn the basics of using Material Components for iOS by building a simple app with core components in Objective-C.



Objective C 102: Structure and layout
Learn how to use Material for structure and layout on iOS in Objective-C.



Kotlin, Java, Swift, Objective C, Web, Flutter

Material Design이 개발자에게 제공하는 것



← MDC-101 Web: Material Components (MDC) Basics (Web)

2. Set up your development environment

Download the starter codelab app

[Download starter app](#)

The starter app is located within the `material-components-web-codelabs-master/mdc-101` directory. Be sure to `cd` into that directory before beginning.

Note the `-master` suffix in the name of the root directory. If you are downloading the starter app above, please append the `-master` suffix whenever the root directory is referred to for the rest of this codelab.

...or clone it from GitHub

To clone this codelab from GitHub, run the following commands:

```
git clone https://github.com/material-components/material-components-web-codelabs
cd material-components-web-codelabs/mdc-101/starter
```

For more help: [Cloning a repository from GitHub](#)

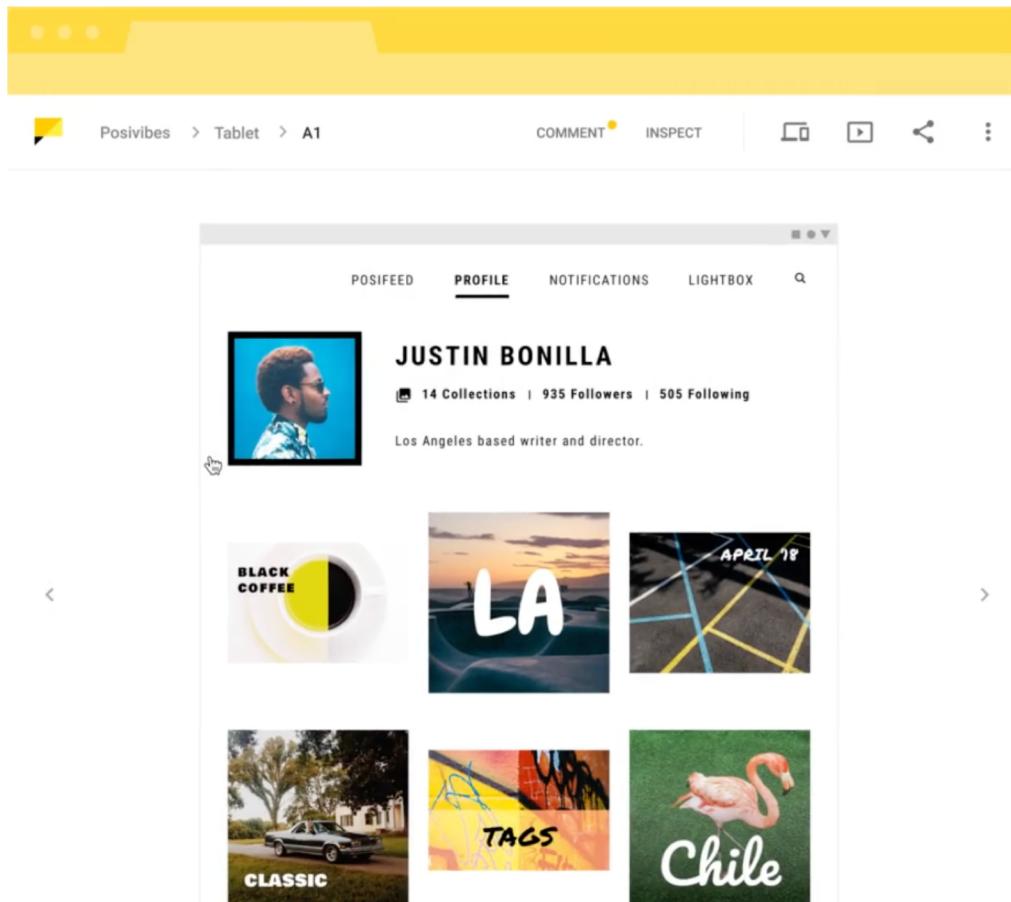
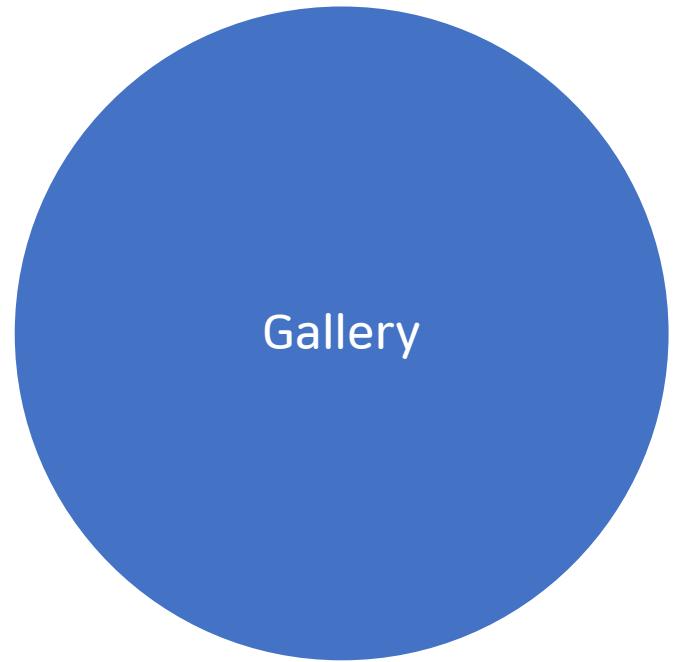
Install project dependencies

From the starter directory, run:

Google codelabs로 연결

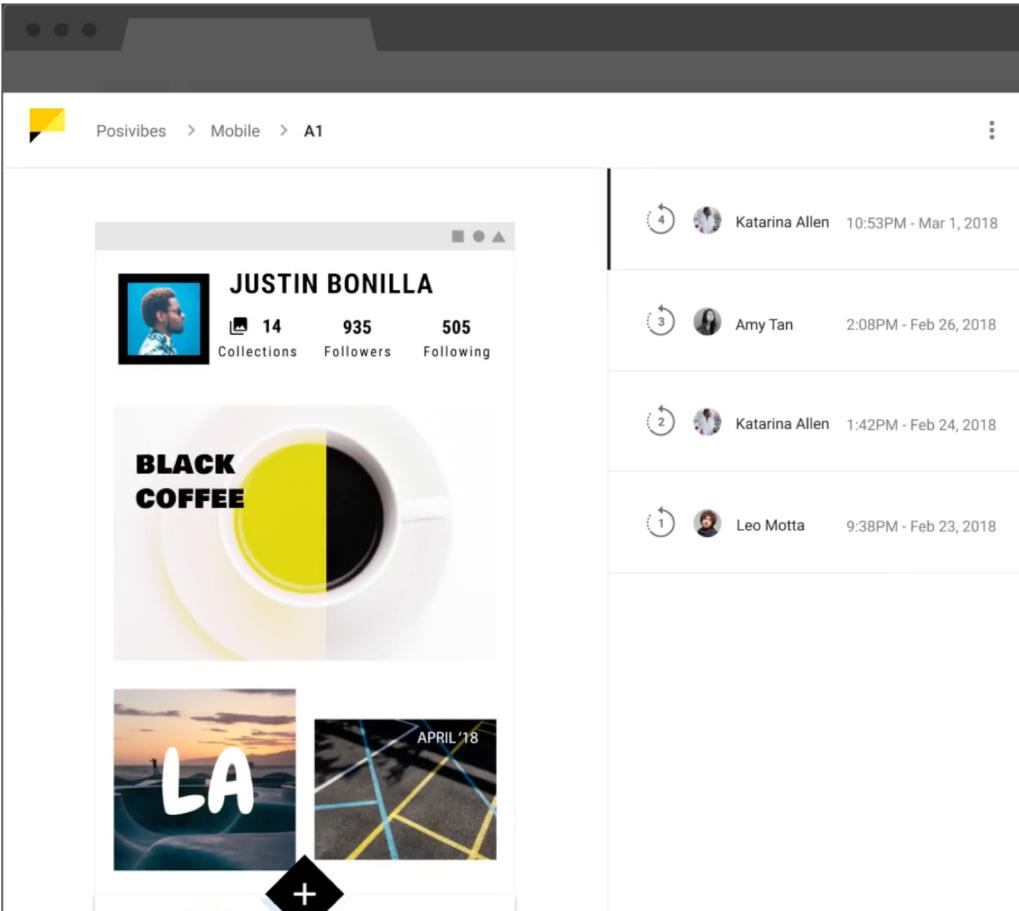
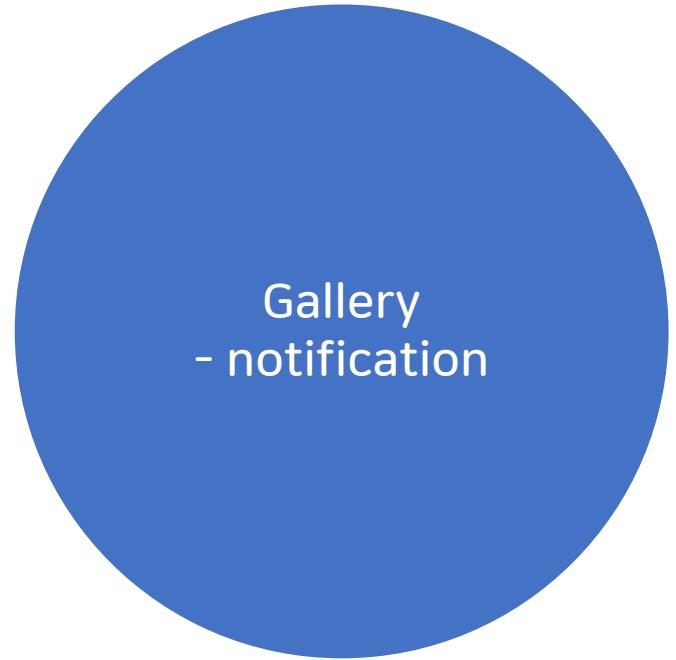
4. Material Design으로 협업하는 법

Material Design으로 협업하는 법



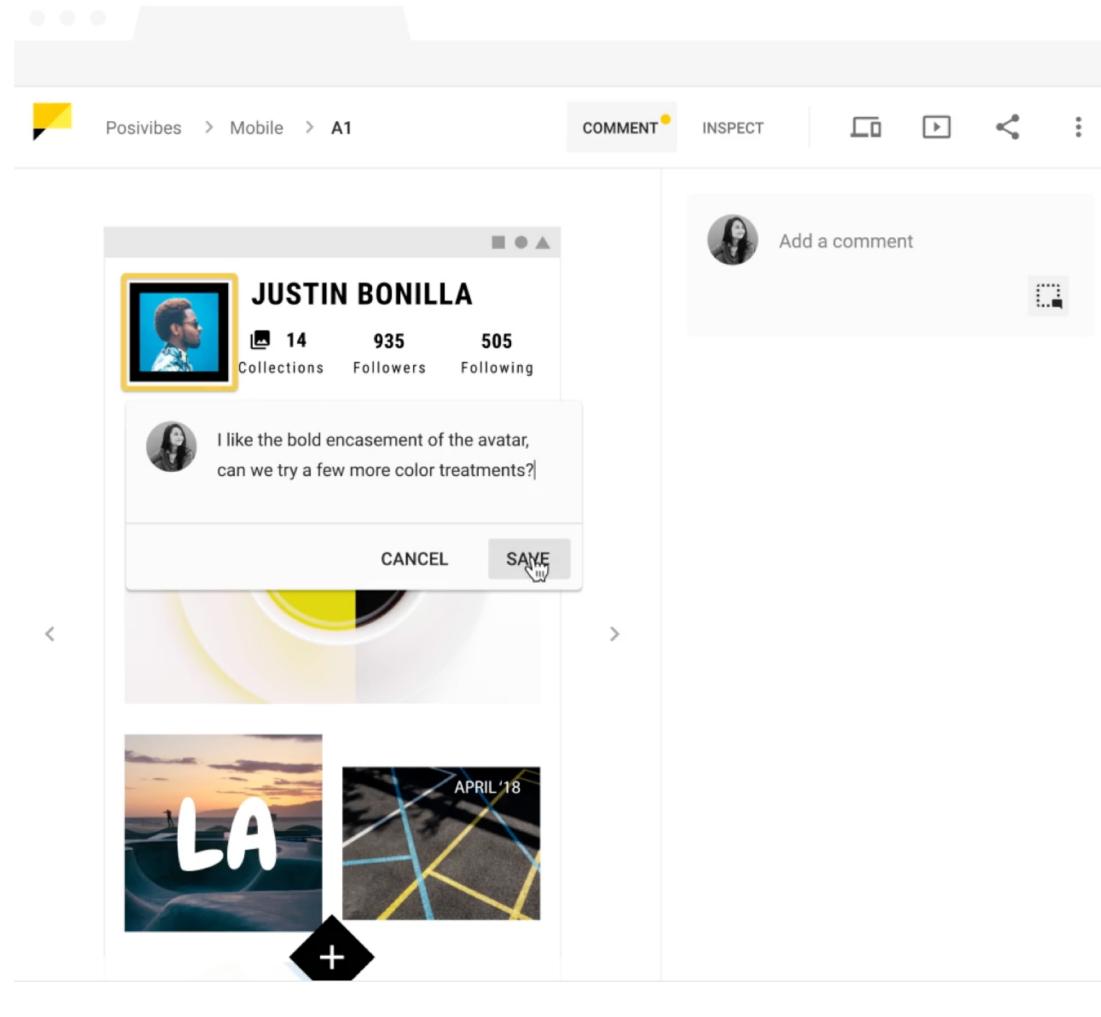
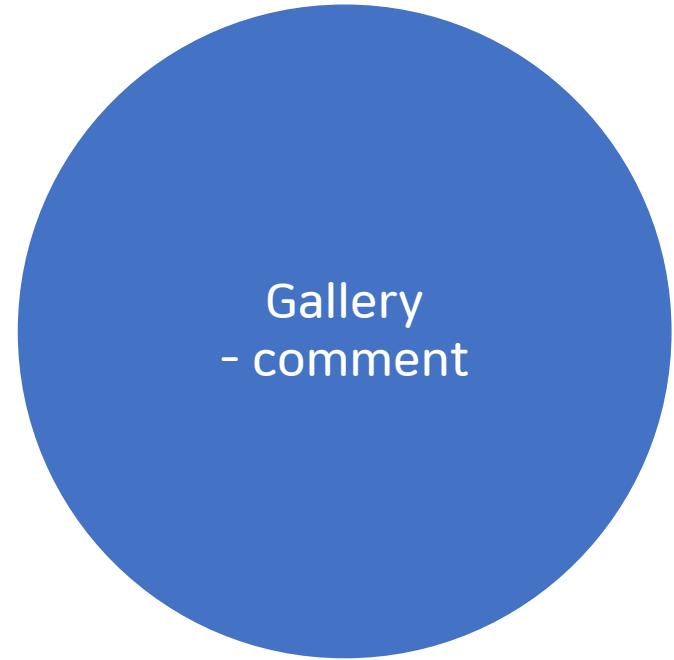
제플린과 비슷한 협업툴의 기능을 하는 Gallery

Material Design으로 협업하는 법



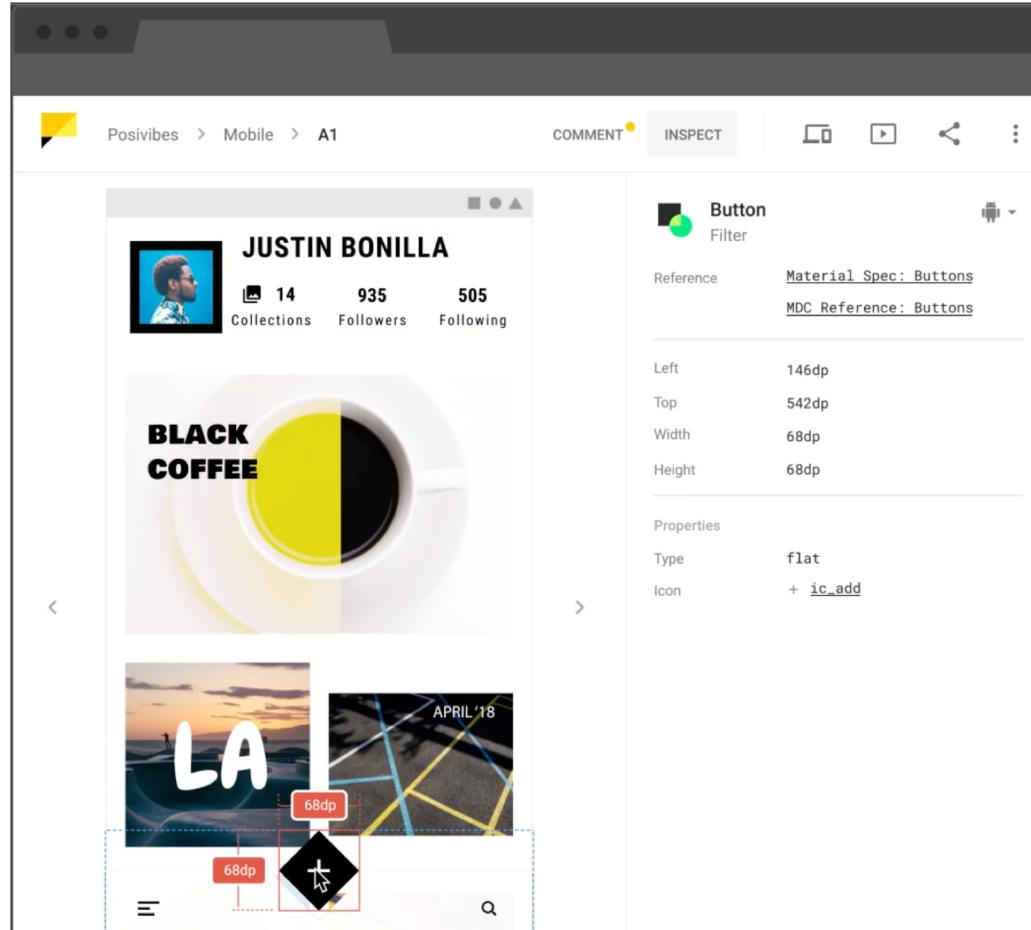
다양한 프로젝트 구성원 초대, 새로운 페이지 생성 시 알림...

Material Design으로 협업하는 법



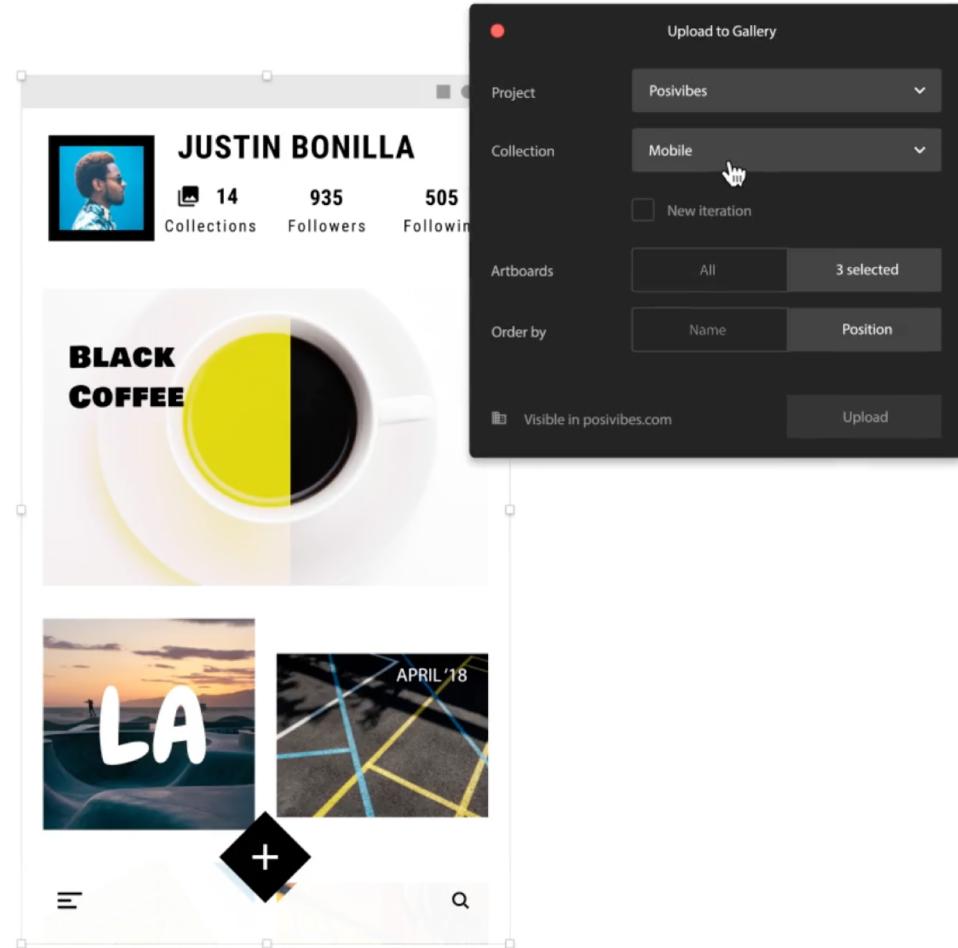
코멘트를 달고 싶은 곳을 드래그 후 코멘트

Material Design으로 협업하는 법



위치값, 크기 등의 상세 명세,
Material Design 레퍼런스 링크

Material Design으로 협업하는 법



Material Theme Editor 플러그인과 연동하여 편리하게 사용

Thank you