

MDC Android

Material Design

Project Name

4th September 20XX - Author Name

CURRENT SOLUTIONS

In order to add this component to an Android app without this project, what would you need to do?

OVERVIEW

Describe how the component will make UI easier for Android developers, and how it improves upon the current solution..

FEATURES

1. Preferably get these from the Material spec
2. They should be non-technical. They should be visual and interactive functionalities.

TECHNICAL INTEGRATION

Give a brief introduction into what technologies, data structures and classes you will use/develop in order to make the component

ARCHITECTURE

Sample Class Name or File Name

Describe what your “thing” will do on a broad level and briefly how.

Could also be a Thing or Technical Detail

Also connect your “things” to other “things,” but make sure the user already read about the “things” you are referring to. Do not mention a “thing” that is described at the bottom in a “thing” at the top.

ACCESSIBILITY

- *Use if applicable* Used “start” and “end” layout attributes to account for right-to-left layouts.
- *Also use if applicable* Accounted for variable display sizes by using dp units and variable font sizes by using sp units when appropriate
- Address any accommodations you will need to make to support different conditions
- Components should be able to work with screen readers (add content descriptions) and switch devices (make sure elements are focusable)

INTERNAL DEPENDENCIES

Does your code require other Material Components or libraries? List what they are and how you will use them to help you in the process.

EASE OF INTEGRATION

How can your component be easily addable into existing apps? Can your component fit on top of an existing widget or be a similar replacement?

IMPLEMENTATION

Just like how app design docs need UI mocks and screenshots, your design doc needs code samples.

To get code styling:

1. Enable the “Code Blocks” add-on for Google Docs
2. Go to Add-ons > Code Blocks > Start
3. For the language dropdown, choose java and for the code style choose android studio
4. Write some code, then select it with the cursor
5. In the add-on window, you can preview and then select format to get the final result
6. For comments, you will need to change the color (see below)
7. Do not write more than 5 pages of code; you want to communicate the general ideas and not all of the specific features

```
// This is a comment
```

An Example

Hyperlink everything (classes, libraries and the Material spec) and be clear with your explanations

```
//Most demos assume these variables exist
String[] data = {"Item 1", "Item 2", "Item 3"}
MaterialList list = findViewById(R.id.material_list);
```

Place at the end:

Note: These samples are incomplete and the actual structure is subject to change, but the end result should be similar to this.

Alternatives Considered

How else can you achieve your solution (architecturally) and why is this way of organization better?

Frequently Asked Questions

Here, you should keep a log of all the questions asked. This will help readers gain a better idea of the specifics of the component.

How can you do x?

You can do x by using y...