




Material Design Support Libraries

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What is Material Design?



Material design

Material design is a comprehensive guide for visual, motion, and interaction design across platforms and devices.

Goals

Create a visual language that synthesizes classic principles of good design with the innovation and possibility of technology and science.





Material design is an entire suite of patterns, guidelines, elements, and animations to have a very well looking application.

It helps the developer to focus only on the code and for the user to have an intuitive experience.



Why should a developer

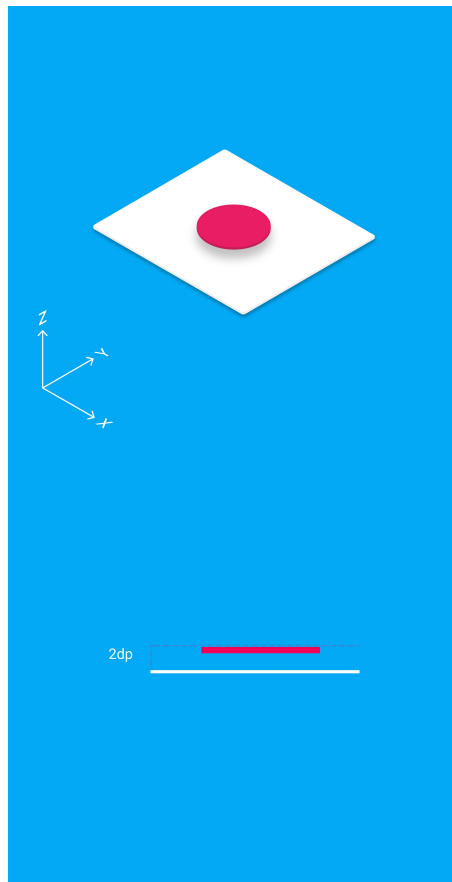
Know about it?

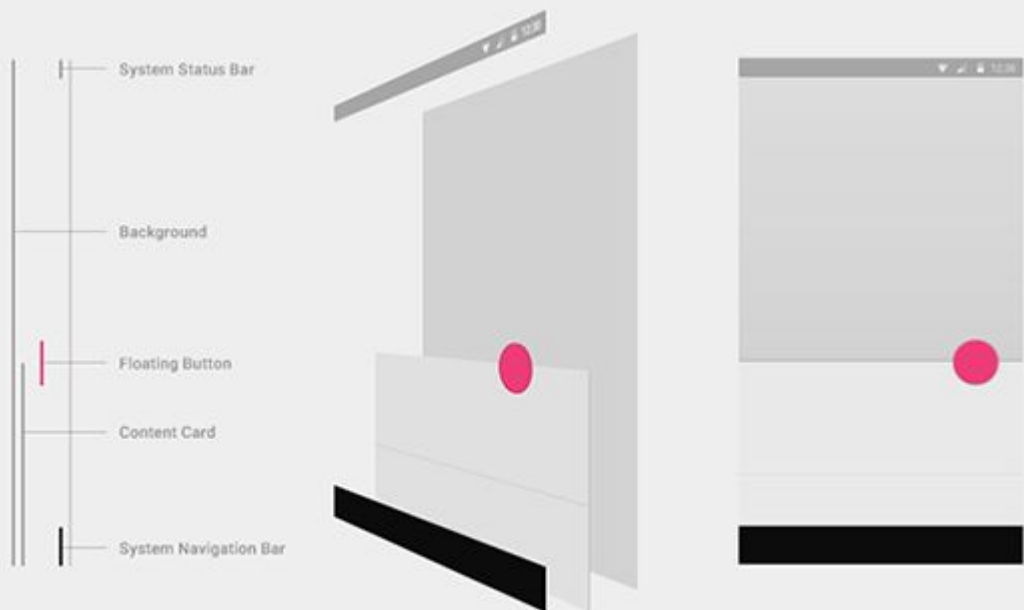
- *Have a better applications behavior*
- *Create friendlies applications*
- *Have a great feedback*
- *You don't always have a designer*

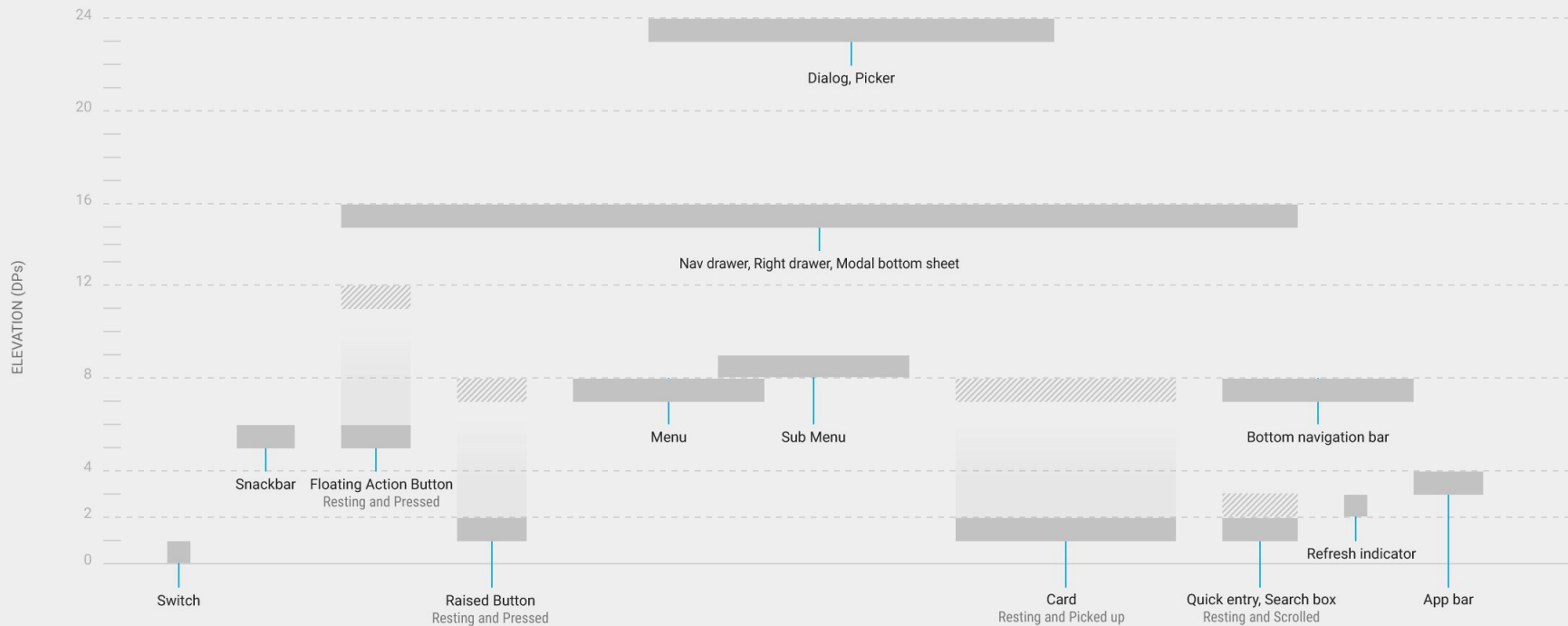
How would we see material design?

Material design is a three-dimensional environment which gives to each element a particular elevation to have a good experience.

You should see the material design like a stack of pieces of paper sheets, that means that each item of the screen could have a different elevation and as we know if an element is on top of another one it produces a shadow.









Material design

What do we need to set up an application?

Material theme



Style

Android Studio

styles.xml

```
<resources>
```

```
    <!-- Base application theme. -->
```

```
    <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
```

```
        <!-- Customize your theme here. -->
```

```
        <item name="colorPrimary">@color/colorPrimary</item>
```

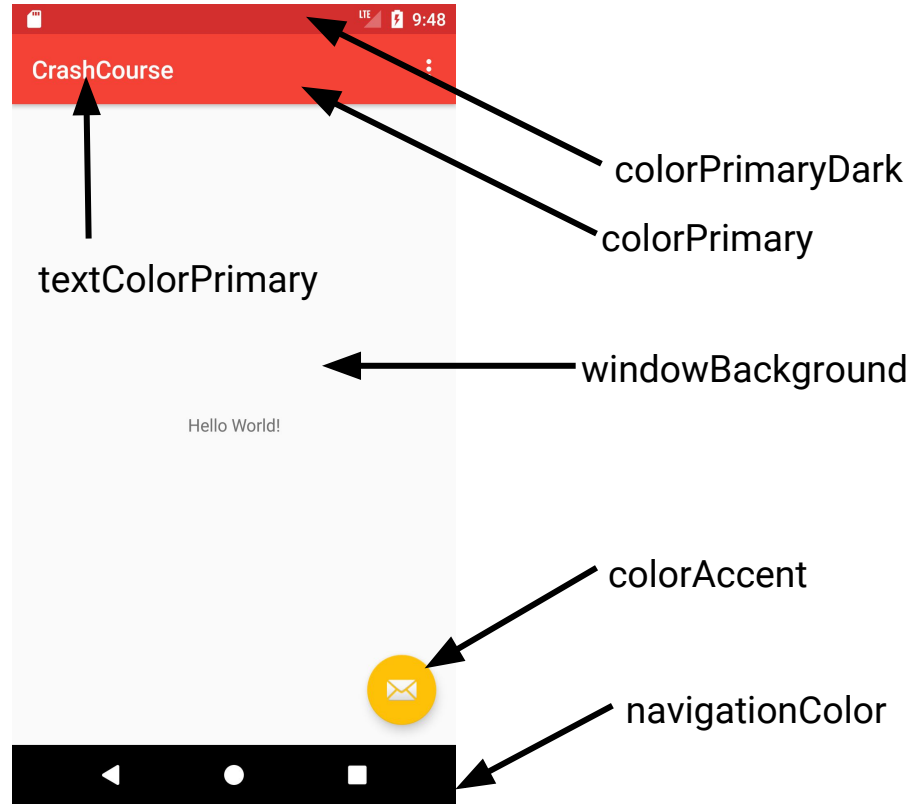
```
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
```

```
        <item name="colorAccent">@color/colorAccent</item>
```

```
    </style>
```

```
</resources>
```

Style elements

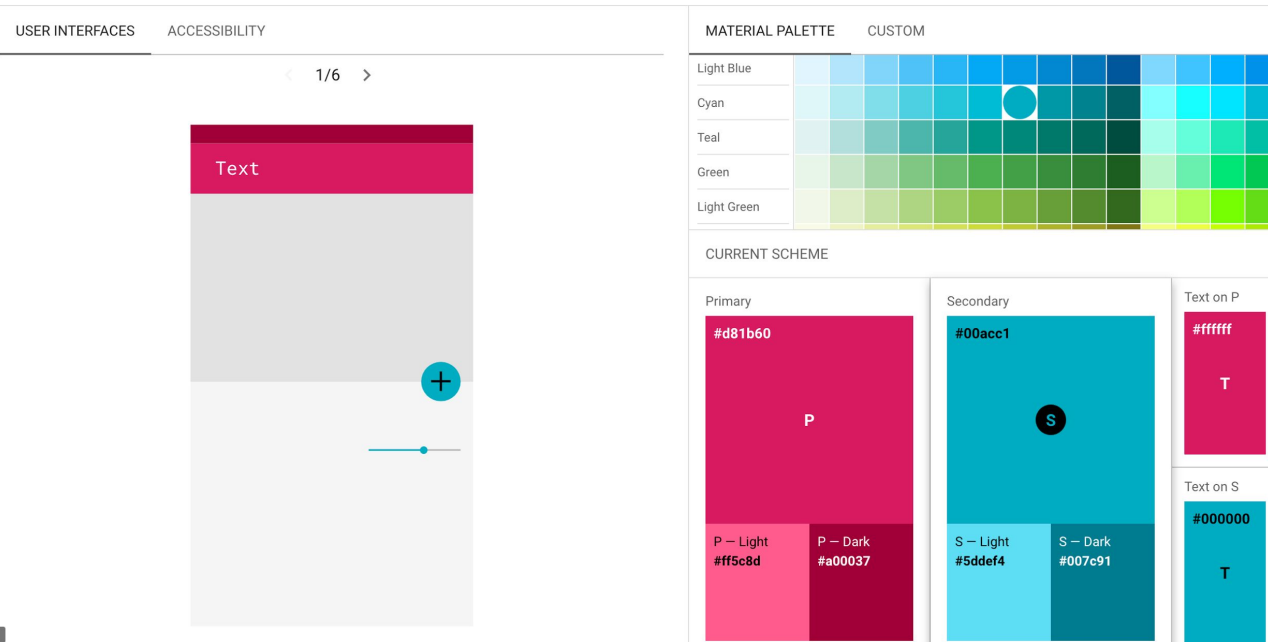




Material palette

Style – Color								
Red			Pink			Purple		
500		#F44336	500		#E91E63	500		#9C27B0
50		#FFEBEE	50		#FCE4EC	50		#F3E5F5
100		#FFCDD2	100		#F8BBD0	100		#E1BEE7
200		#EF9A9A	200		#F48FB1	200		#CE93D8
300		#E57373	300		#F06292	300		#BA68C8
400		#EF5350	400		#EC407A	400		#AB47BC
500		#F44336	500		#E91E63	500		#9C27B0
600		#E53935	600		#D81B60	600		#8E24AA
700		#D32F2F	700		#C2185B	700		#7B1FA2
800		#C62828	800		#AD1457	800		#6A1B9A
900		#B71C1C	900		#880E4F	900		#4A148C

<https://material.io/guidelines/style/color.html>



<https://material.io/color>



Material design palette

material design palette

PALETTES ICONS COLORS MORE MATERIAL DESIGN >

RED PINK PURPLE DEEP PURPLE

MADE BY MATERIALUP

INDIGO BLUE LIGHT BLUE CYAN TEAL

GREEN LIGHT GREEN LIME YELLOW AMBER

ORANGE DEEP ORANGE BROWN GREY BLUE GREY

Palette preview

Full Palette colors below

Daily Material Design Showcase
Visit MaterialUp

Your Palette

CSS SASS LESS SVG XML PNG POLYMER TWEET

DARK PRIMARY COLOR	PRIMARY COLOR	LIGHT PRIMARY COLOR	TEXT / ICONS
	#212121	#757575	#BDBDBD
ACCENT COLOR	PRIMARY TEXT	SECONDARY TEXT	DIVIDER COLOR

<https://www.materialpalette.com/>



Material desing

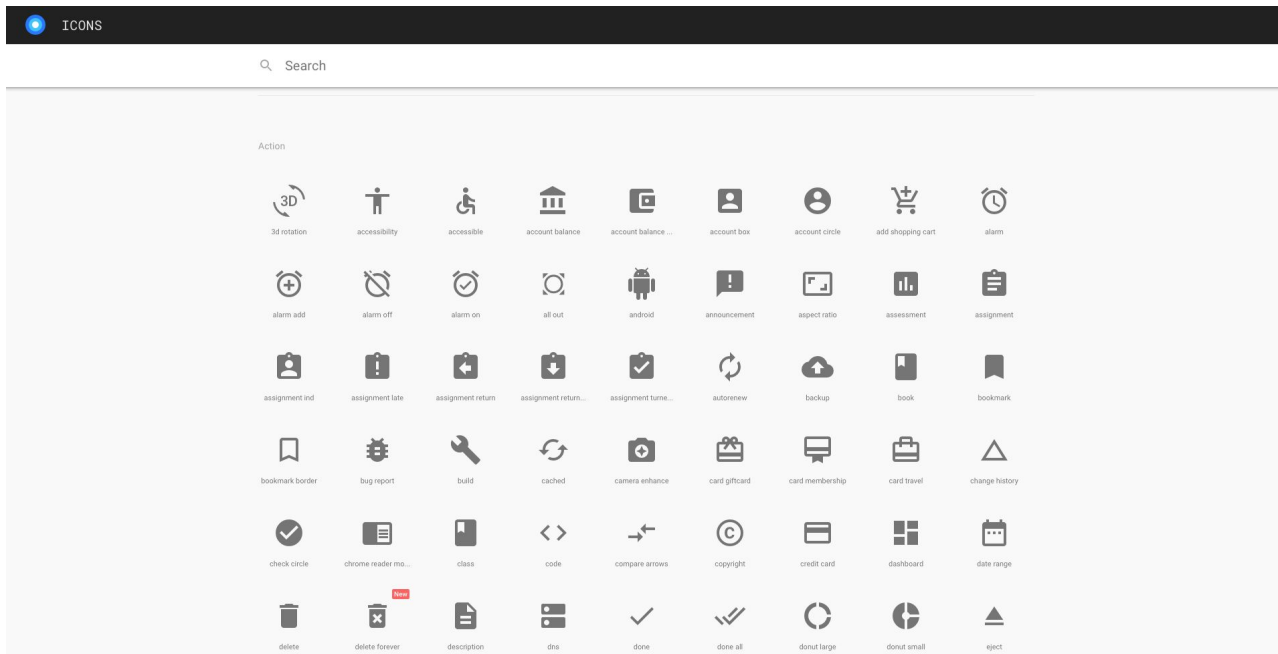
Icons







Material icons



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

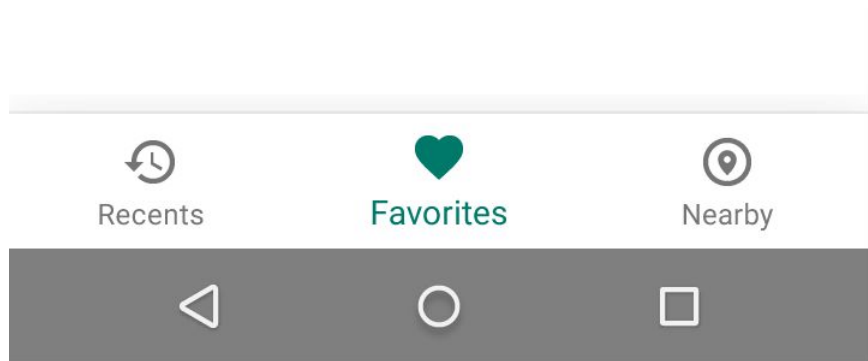


Material design

Components

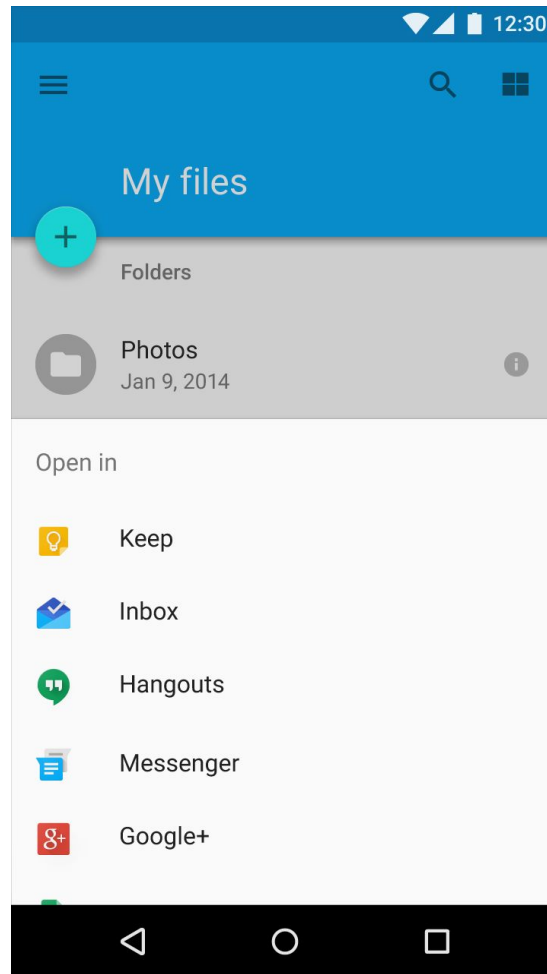


Bottom Navigation



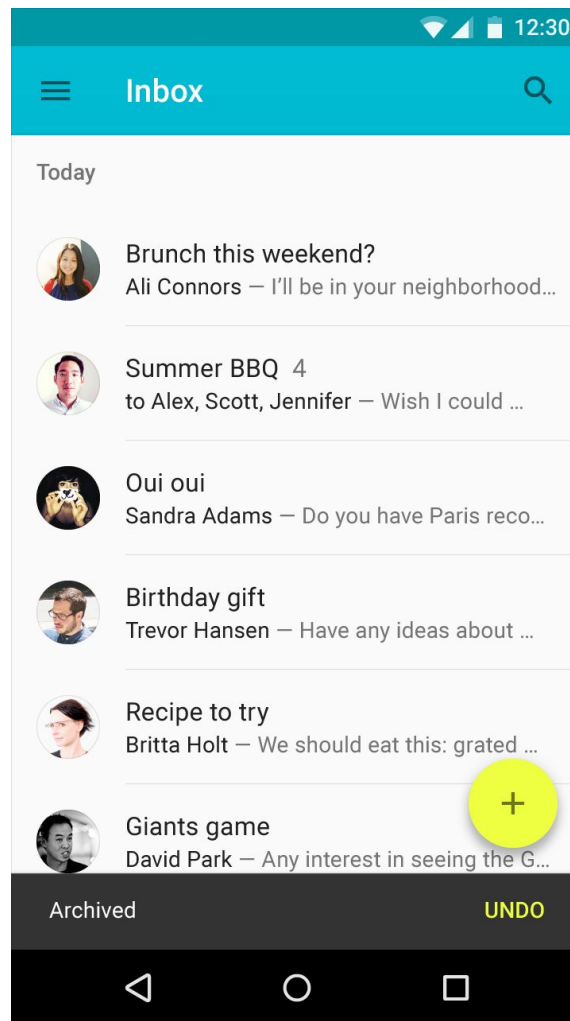


Bottom Sheets



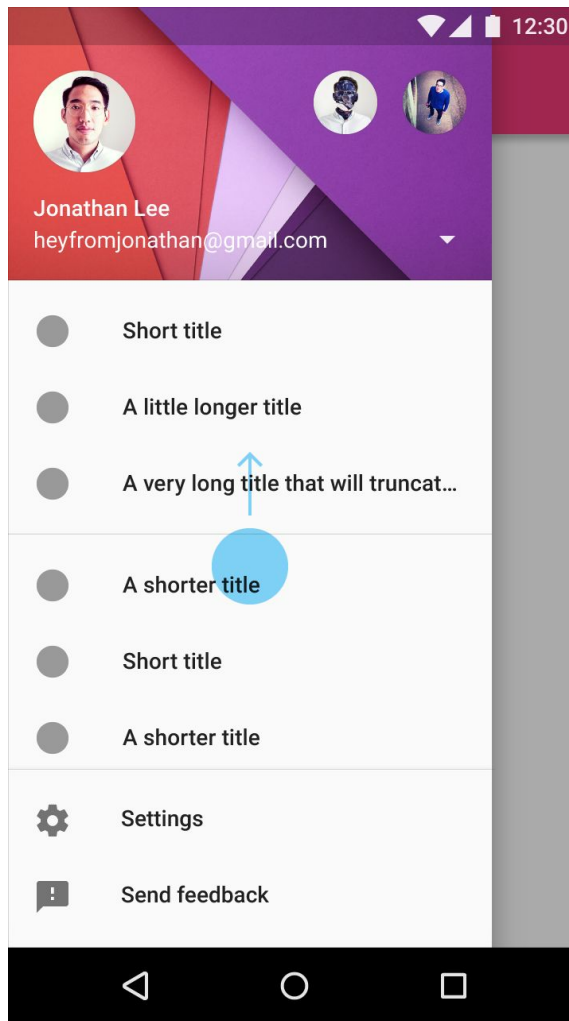


Snackbar





Navigation View





Material design

Coordinator layout?





**What is Coordinator
layout? What does it
do?**



What is Coordinator layout? What does it do?

“Coordinator Layout extends the ability to accomplish many of the Google's Material Design scrolling effects. Currently, there are several ways provided in this framework that allow it to work without needing to write your own custom animation code.”

Codepath



Let's code



THANK
YOU

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