

Atomic Design for android

Let's talk about design

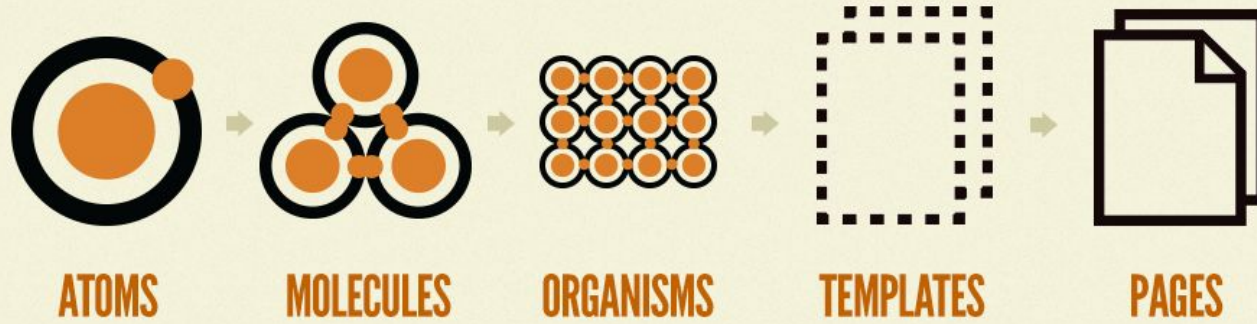
A long time ago...

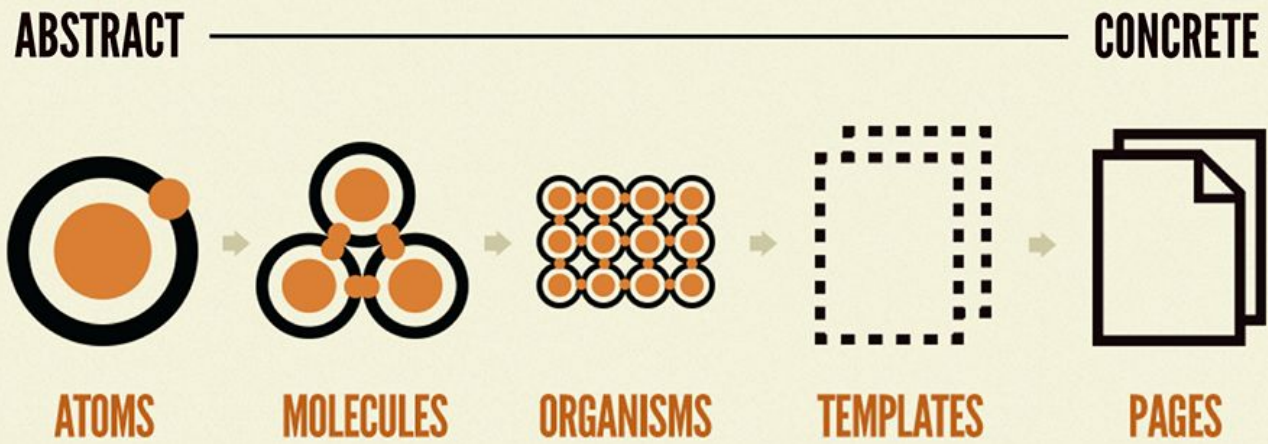


What is Atomic Design?

“Atomic design is a methodology composed of five distinct stages working together to create interface design systems in a more deliberate and hierarchical manner”

- Brad Frost





“Atomic design as a buzzword encapsulates the concepts of modular **design** and **development**”

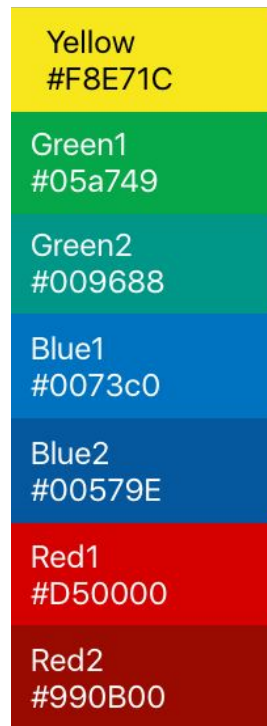
- Brad Frost

Project: Weather App

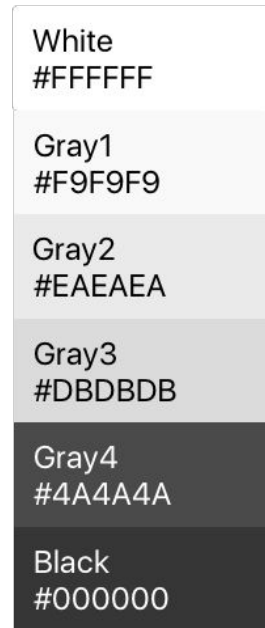
Atoms

Colors

Colors



Grayscale



colors.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <color name="Yellow">#DBEAFC</color>
  <color name="Blue1">#DBEAFC</color>
  <color name="Blue2">#0073c0</color>
  <color name="Green1">#05a749</color>
  <color name="Green2">#009688</color>
  <color name="Red1">#00579E</color>
  <color name="White">#FFFFFF</color>
  <color name="Gray1">#F9F9F9</color>
  <color name="Gray2">#F9F9F9</color>
  <color name="Gray3">#DBDBDB</color>
  <color name="Gray4">#4A4A4A</color>
  <color name="Black">#000000</color>
</resources>
```

Atoms

Inputs

Input text

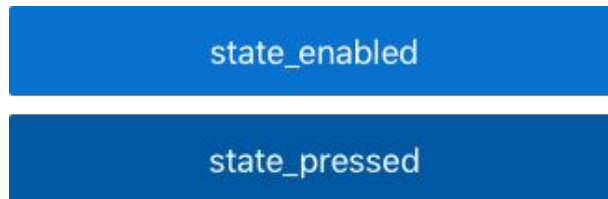
Input text

Username or Password is incorrect.



Atoms

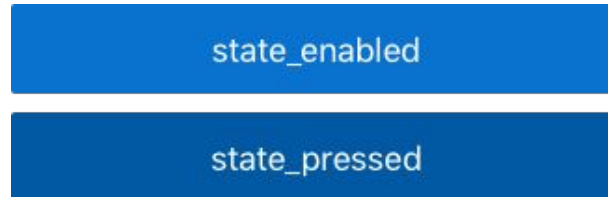
Buttons



```
<Button
  android:id="@+id/login_button"
  android:text="Login"
  android:textColor="#FFFFFF"
  android:textSize="18dp"
  android:background="@drawable/mybutton"
  android:contentDescription="@string/login"
/>
```

Atoms

Buttons



```
<?xml version="1.0" encoding="utf-8"?>
<selector
xmlns:android="http://schemas.android.com/apk/res/android">
  <item android:state_enabled="true"
android:drawable="@color/blue1" />
  <item android:state_pressed="true"
android:drawable="@color/blue2" />
  <item android:state_focused="true"
android:drawable="@color/blue2" />
  <item android:drawable="@color/colors" />
</selector>
```

Atoms

Typography

ROBOTO Light 18dp
ROBOTO Thin 18dp

ROBOTO Regular 16dp
ROBOTO Light 16dp
ROBOTO Thin 16dp

ROBOTO Regular 14dp
ROBOTO Light 14dp
ROBOTO Thin 14dp

Buttons

General text
ActionBar Title
Link text

Input text

Atoms

Typography

MULI Regular 18dp
MULI Light 18dp

MULI Regular 16dp
MULI Light 16dp

MULI Regular 14dp
MULI Light 14dp

Buttons

General text
ActionBar Title
Link text

Input text

Atoms

Icons



```
<ImageButton  
  android:contentDescription="@string/menu"/>
```



```
<ImageButton  
  android:contentDescription="@string/search"/>
```



```
<ImageButton  
  android:contentDescription="@string/microphone"/>
```



```
<ImageButton  
  android:contentDescription="@string/action_overflow_button"/>
```



```
<ImageButton  
  android:contentDescription="@string/location"/>
```

Atoms

Icons



```
<ImageButton  
  android:contentDescription="@string/sunny"/>
```

```
<ImageButton  
  android:contentDescription="@string/partly_cloudy"/>
```

```
<ImageButton  
  android:contentDescription="@string/cloudy"/>
```

```
<ImageButton  
  android:contentDescription="@string/mostly_cloudy"/>
```

```
<ImageButton  
  android:contentDescription="@string/rainny"/>
```

```
<ImageButton  
  android:contentDescription="@string/windy"/>
```

```
<ImageButton  
  android:contentDescription="@string/thunderstormy"/>
```


Real-world example

Atoms

Colors

Links	Backgrounds	Call to action	Text	Cards	Navbars	Dividers	Cell
Verde1	Blanco	Gris3	Gris3	Blanco	Blanco	Gris3	VerdeClaro
Verde2	Gris1	Gris6	Gris5	Gris2	Gris4		
Azul1	Gris3	Gris7			Gris7		
Azul2		Amarillo1					
Rojo1		Verde1					
Rojo2		Verde2					
		Azul1					
		Azul2					

Grayscale

Blanco #FFFFFF	Gris1 #F6F6F6	Gris2 #EAEAEA	Gris3 #DBDBDB	Gris4 #777777	Gris5 #6C6C6C	Gris6 #545454	Gris7 #363636
-------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------

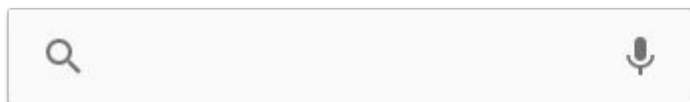
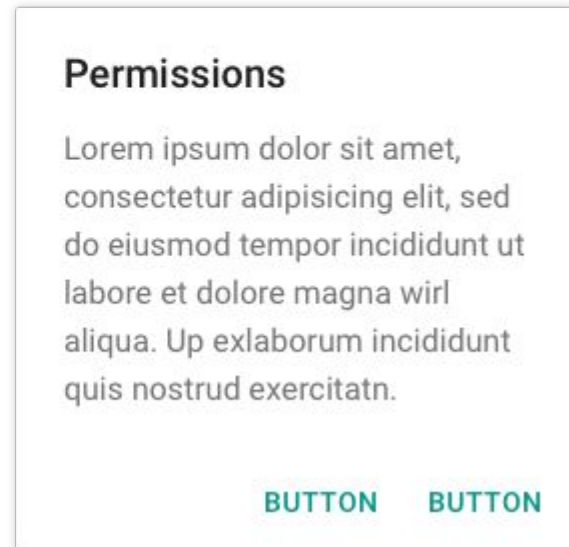
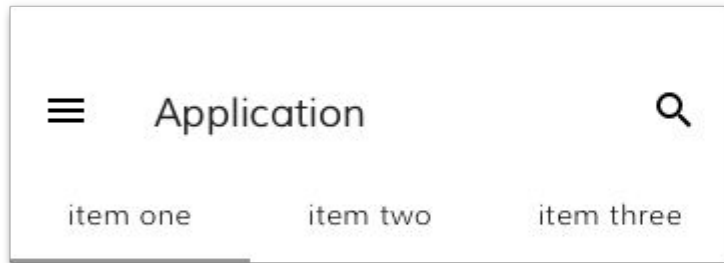
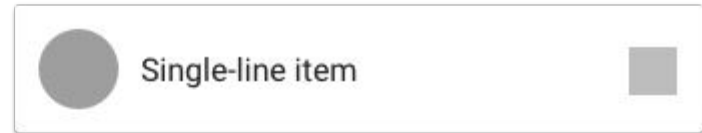
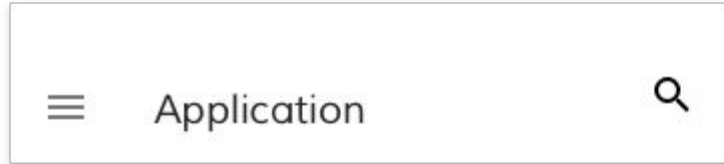
Colors

Amarillo1 #EDB800	VerdeClaro #CCFFE1	Verde1 #05a749	Verde2 #005E1D	Azul1 #0073c0	Azul2 #00579E	Rojo1 #D91700	Rojo2 #990B00
----------------------	-----------------------	-------------------	-------------------	------------------	------------------	------------------	------------------

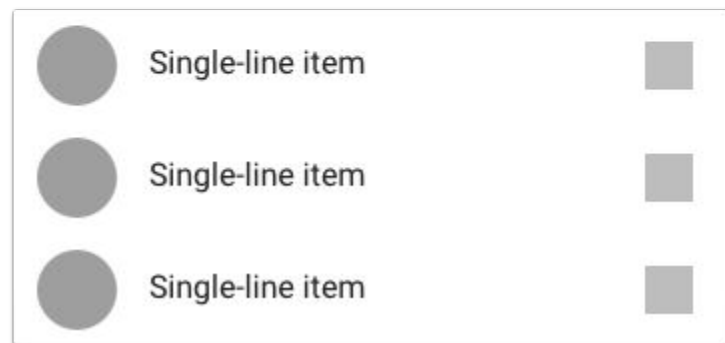
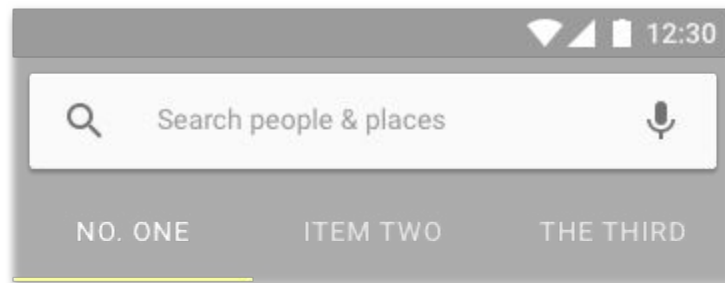
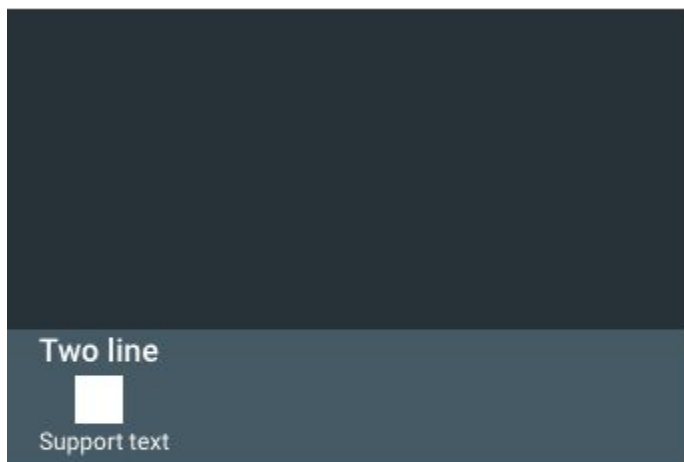
Atoms



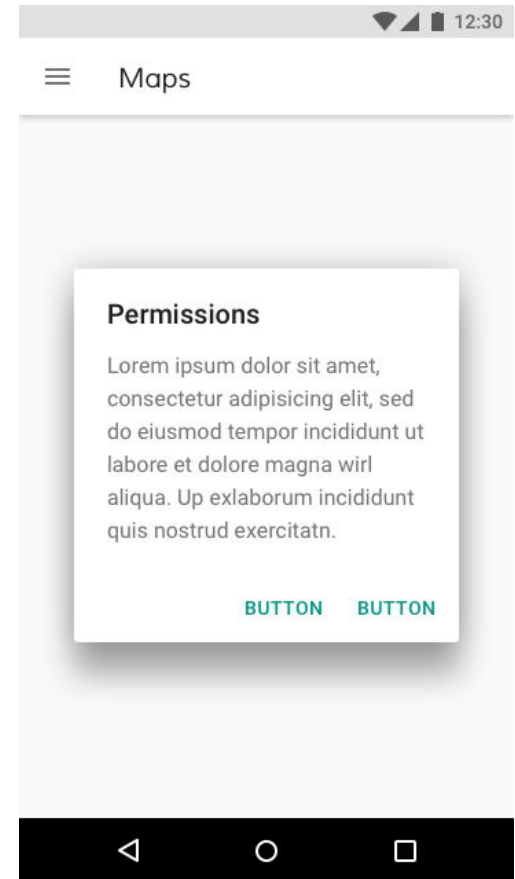
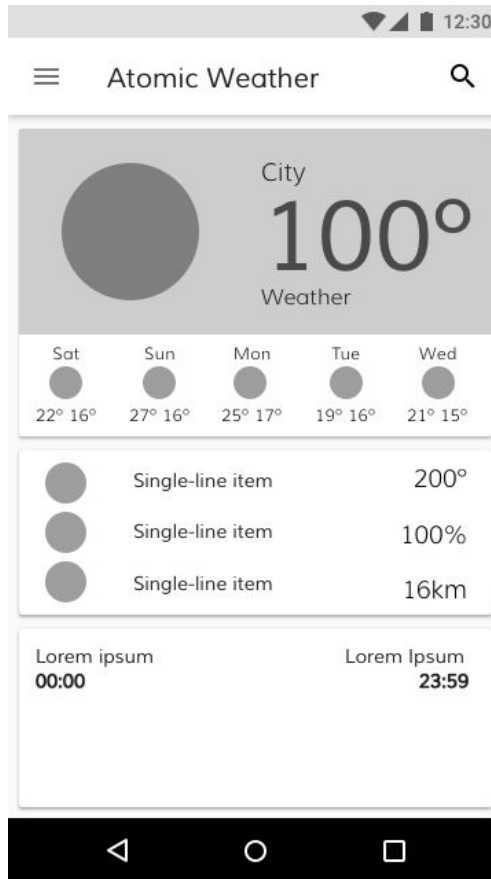
Molecules



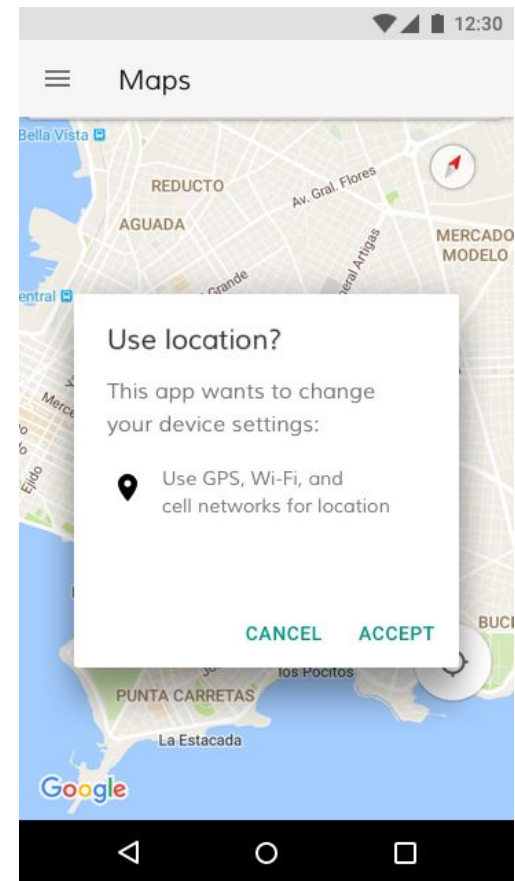
Organisms



Template



Pages



Tools

Tools

Design



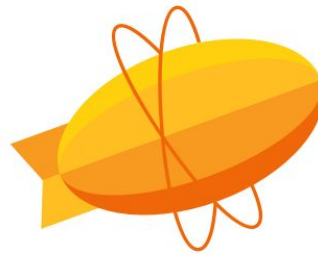
Sketch

+

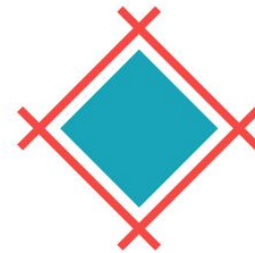


Craft

Styleguides

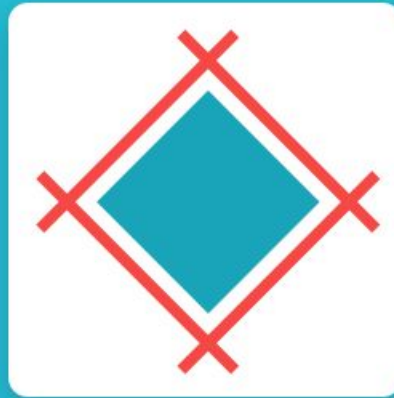


Zeplin



Sympli

Bonus Track



Thank you!

Emilio Zárraga
@emiliovirtual