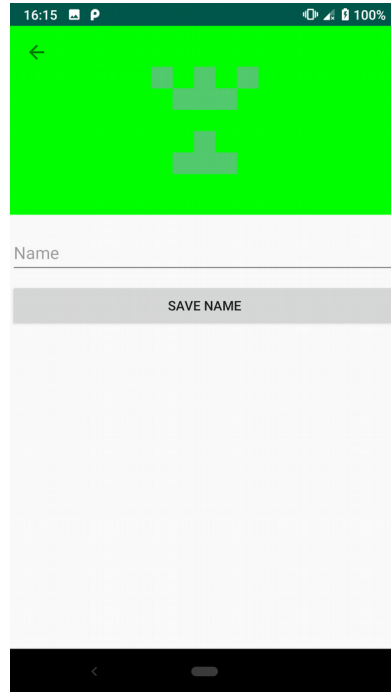STOCARD

Modern Ui
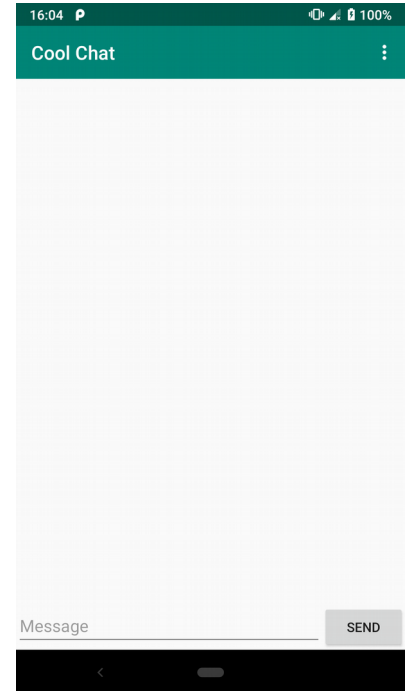
A nice(er) Profile

Toolbar

- Why is there no toolbar in our Layouts?

- Yet all our screens have a toolbar

- Can we customize how this looks, the size?

Remove the preset toolbar

```xml
<!-- Base application theme. -->
<style name="AppTheme" parent="...">
    <!-- Customize your theme here. -->
    <item name="colorPrimary">@color/colorPrimary</item>
    <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
    <item name="colorAccent">@color/colorAccent</item>
    <item name="windowActionBar">false</item>
    <item name="windowNoTitle">true</item>
</style>
```

Add own toolbar

```xml
<android.support.v7.widget.Toolbar
        android:id="@+id/toolbar"
        android:background="@color/colorPrimary"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"/>
```

```kotlin
override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity_main)
    setSupportActionBar(toolbar)
    ...
}
```
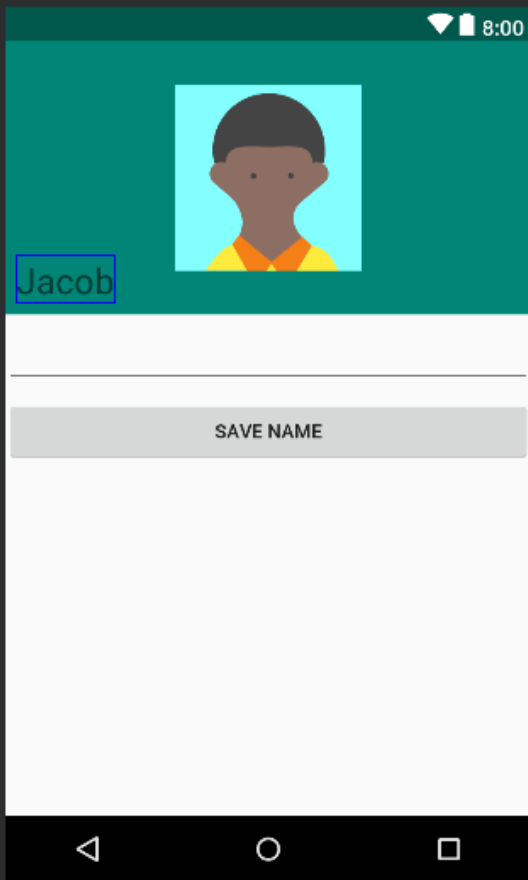
How to structure the Layout?
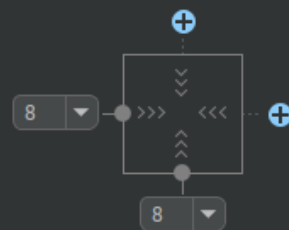
- LinearLayout?

- FrameLayout?

ConstraintLayout!

Jacob

ImageView

SAVE NAME

▽ ○ □

ID | toolbar_title
layout_width | ap_content ▼
layout_height | ap_content ▼

8 | ▼

8 | ▼

▼ **TextView**

text |

✎ text | @tools:sample/

contentDescri |

▶ textAppeara | Material ▼

▼ **Favorite Attributes**

visibility | none ▼

View all attributes ⇄

How do we get the Data into the Ui, and reverse

- If the name changes
  - Update the name in the header
  - Update the color in the header
- If the save button is clicked, update the Repository

ViewBinding

```
class ProfileViewModel {
    val name: MutableLiveData<String> = MutableLiveData()
}
```

```
override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    val binding: ActivityProfileBinding = DataBindingUtil
        .setContentView(this, R.layout.activity_profile)
    binding.setLifecycleOwner(this)
    binding.model = ViewModelProviders.of(this)
        .get(ProfileViewModel::class.java)
}
```

```
<data>
  <variable name="model"
    type="....ProfileViewModel"/>
</data>
```

```
<EditText
    and:layout_width="match_parent"
    and:layout_height="wrap_content"
    and:text="@={model.name}"/>
```

One more thing

```
<ConstraintSet android:id="@+id/scene_profile_start">
    <Constraint
        android:id="@id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="200dp"/>
</ConstraintSet>
<ConstraintSet android:id="@+id/scene_profile_end">
    <Constraint
        android:id="@id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"/>
</ConstraintSet>
```