### Close the Loop

Designing and Developing Together

Kristin Marsicano @kristinmars

Zack Simon @zackiets

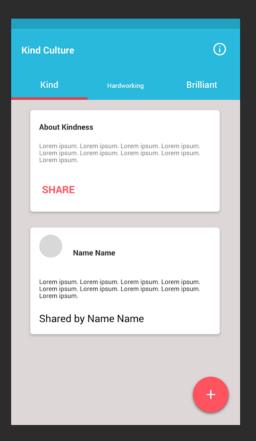
Big Nerd Ranch @bignerdranch

## Well, what's the problem?

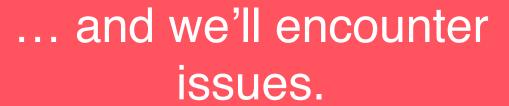
#### **Expectation**

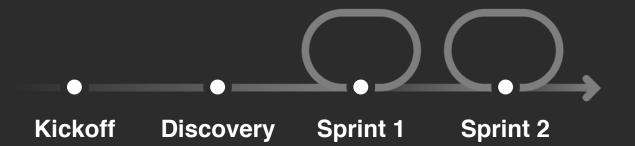
#### **Kind Culture About Kindness** Lorem ipsum. SHARE Name Name Lorem ipsum. Shared by Name Name

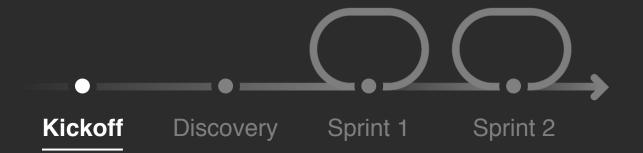
#### Reality



## We're going to take you on a journey...







#### What's a project kickoff meeting?



Who does what?

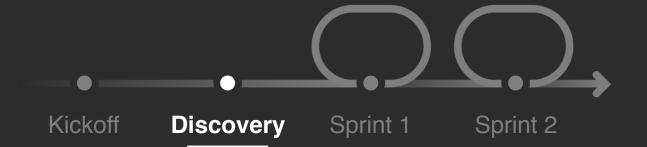


When do things happen?

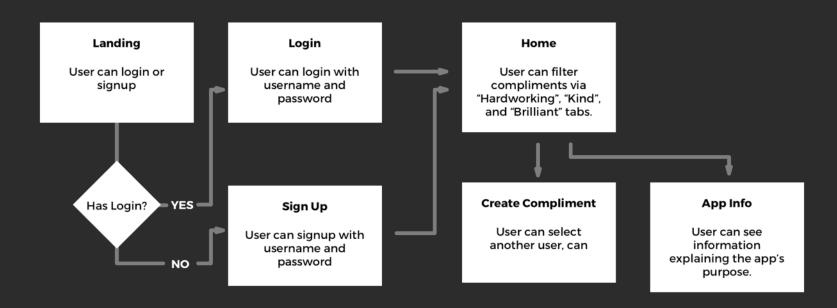


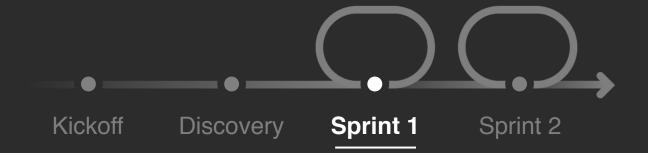
What tools?

Jump right in?

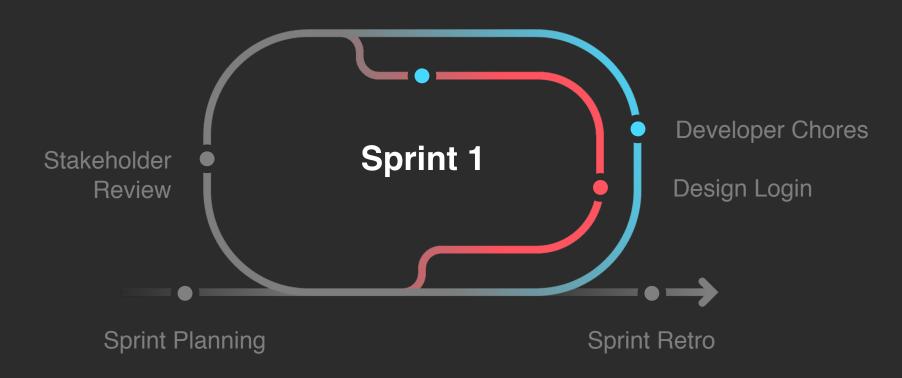


#### Mapping it out





#### Develop Review Design

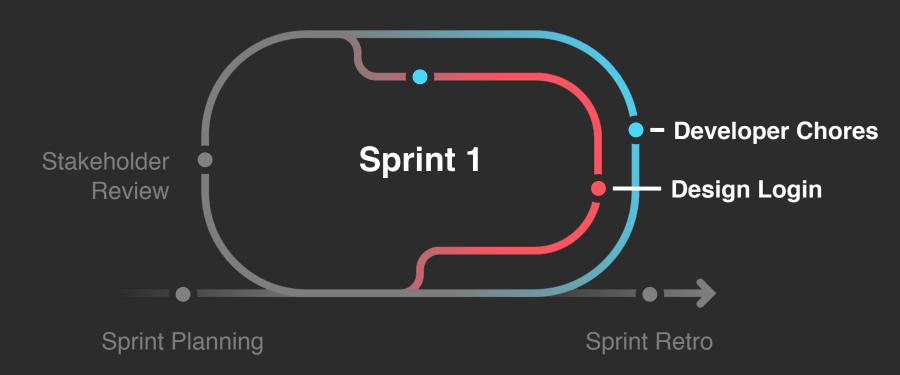


#### Develop Review Design

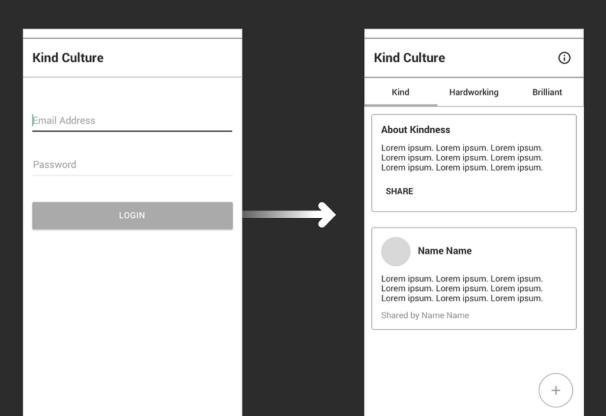


What do devs do without designs?

#### Develop Review Design



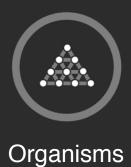
#### **Wireframing Login**



#### Creating a Style Guide







Source: Brad Frost

#### **Atoms**

**Type Styles** 

Title - Roboto Bold 20 SP

Subtitle - Roboto Bold 14 SP

Body - Roboto Regular 14 SP

Caption - Roboto Bold 12 SP

Colors



colorPrimary

colorPrimary Dark

blueDark

#FF3EC7EB



colorAccent



ark gray :2C2C #FF8A8A8A



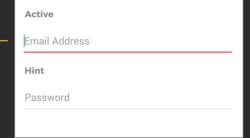
#### Molecules

# Toolbar Kind Culture Active |Email Address| Hint |Password| |Email Address| LOGIN |Email Address| LOGIN |Email Address| LOGIN

#### **Annotating Molecules**

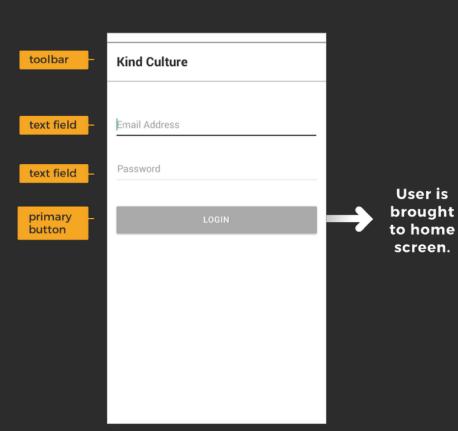
#### Standard EditText

text color (hint): grayLight text color (filled): grayDark text style: body



line color: active colorAccent line color (hint): grayLight

#### **Annotating Wireframes**



#### **Style Guide**

Organisms are made of molecules are made of atoms

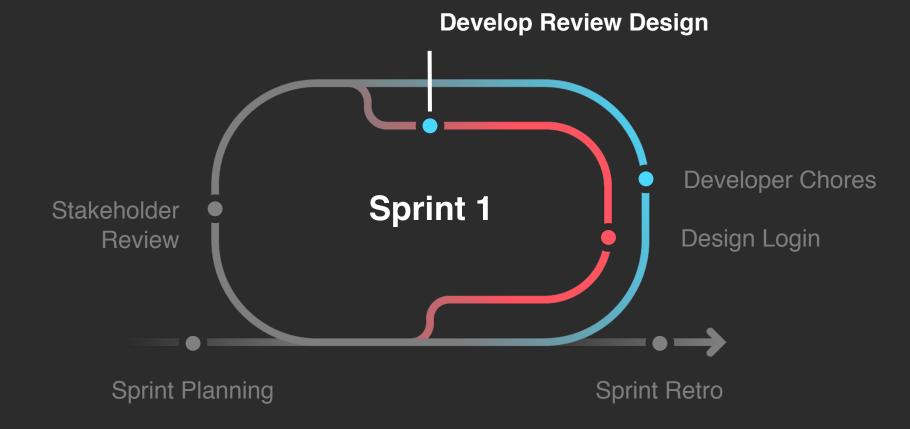
Kind Culture	
Email Address	
Email Address	
Password	
LOGIN	

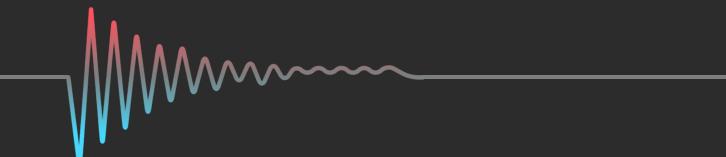
Email Address	



colorPrimary



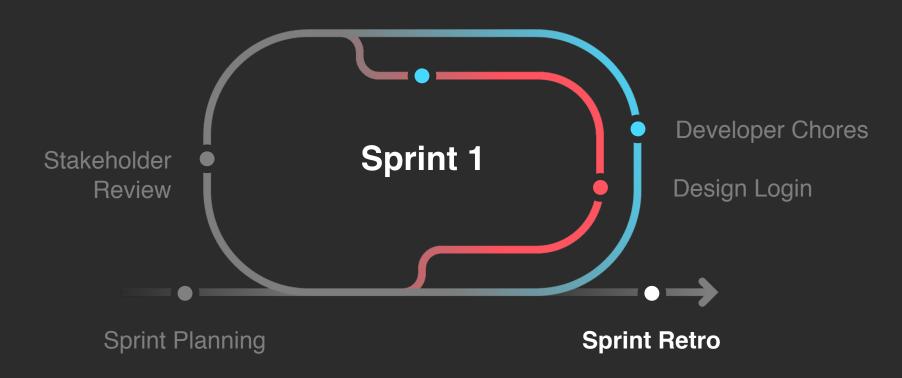


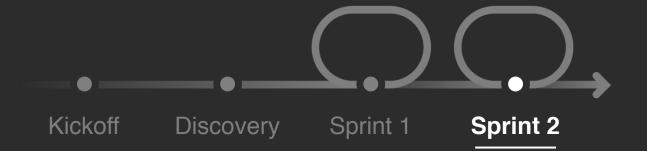


#### Develop Review Design



#### Develop Review Design

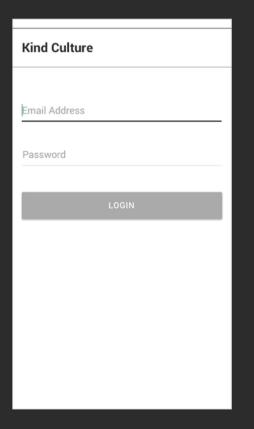




#### Design QA Build



#### **User Stories and Design**



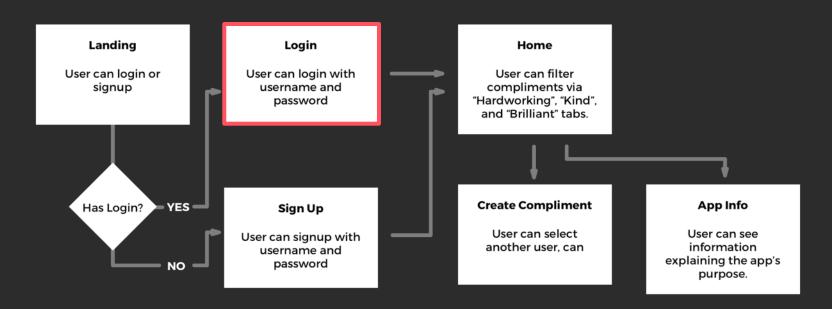
User can see login screen when they launch the app.

User can see error text when entering invalid email.

User is logged into app after entering valid credentials and pressing the Login button.

# What makes a good user story?

#### **Labels and Epics**



#### "User sees login screen when they launch the app."

#### Preconditions/Test Steps:

- 1. Make sure user is logged out
- 2. Click app icon from launch screen

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- 2. toolbar with title of app
- 3. an email field
- 4. a password field
- 5. a login button with active, disabled, pressed, and focused state

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#### Not Included:

Error states for email and password fields Functionality of login button

### Design QA Build



# Implementing with Shared Language

# **Atoms: Colors**

#### In values/colors.xml:

```
<!-- Custom Colors -->
<color name="blue">#48D8FD</color>
<color name= 'blue">#48D8FD</color>
<color name= 'red">#3EC7EB</color>
<color name= "grayDark">#2C2C2C</color>
<color name= "grayLight">#DCDCDC</color>
<color name= "grayLight">#8A8A8A</color>
```

#### **Colors**





# **Atoms: Colors**

#### In values/styles.xml:

#### In values/colors.xml:

```
<!-- Custom Colors -->
<color name="blue">#48D8FD</color>
<color name="blueDark">#3EC7EB</color>
<color name="red">#FF535F</color>
<color name="grayDark">#2C2C2C</color>
<color name="grayLight">#DCDCDC</color>
<color name="grayLight">#8A8A8A</color>
```

#### Colors





# **Atoms: Type Styles**

#### In values/styles.xml:

```
<!-- Text Styles -->
<style name="Title" parent="TextAppearance.AppCompat">
    <item name="android:fontFamily">sans-serif</item>
    <item name="android:textStyle">bold</item>
    <item name="android:textSize">20sp</item>
</style>
. . .
<style name="Body" parent="TextAppearance.AppCompat">
    <item name="android:fontFamily">sans-serif</item>
    <item name="android:textStyle">normal</item>
    <item name="android:textSize">14sp</item>
</style>
```

#### **Type Styles**

#### Title - Roboto Bold 20 SP

Subtitle - Roboto Bold 14 SP

Body - Roboto Regular 14 SP

Caption - Roboto Bold 12 SP

# Molecules: EditText

# In values/styles.xml: <!-- Molecules -->

```
<style name="StandardEditText" parent="Widget.AppCompat.EditText">
   <item name="android:textAppearance">@style/Body</item>
   <item name="android:textColor">@color/grayDark</item>
   <item name="android:textColorHint">@color/grayLight</item>
</style>
```

#### Type Styles

Title - Roboto Bold 20 SP

Subtitle - Roboto Bold 14 SP

Body - Roboto Regular 14 SP

text color: hint \$gray-light text color: filled \$gray-dark text style: body

Email Address

# Molecules: EditText

#### **Type Styles**

Title - Roboto Bold 20 SP

Subtitle - Roboto Bold 14 SP

Body - Roboto Regular 14 SP

text color: hint \$gray-light text color: filled \$gray-dark text style: body

Email Address

Caption - Roboto Bold 12 SP

# Molecules: EditText

```
In values/styles.xml:
  <!-- Molecules -->
   <style name="StandardEditText" parent="Widget.AppCompat.EditText">
      <item name="android:textAppearance">@style/Body (/item>
      <item name="android:textColor">@color/grayDark</item>
      <item name="android:textColorHint">@color//grayLight</item>
   </style>
                               <!-- Text Styles -->
                               <style name="Body" parent="TextAppearance.AppCompat">
                                   <item name="android:fontFamily">sans-serif</item>
                                   <item name="android:textStyle">normal</item>
                                   <item name="android:textSize">14sp</item>
                               </style>
```

# A Screen is an Organism

```
In layout/activity_login.xml:
                                                                        Kind Culture
<LinearLayout ...>
                                                                        Email Address
  <EditText
      android:layout width="match parent"
      android:layout height="wrap content"
                                                                        Password
      android:hint="@string/login email hint"
      style="@style/StandardEditText" />
  <EditText
      android:layout width="match parent"
      android:layout height="wrap content"
      android:hint="@string/login password hint"
      style="@style/StandardEditText"/>
</LinearLayout>
```

# A Screen is an Organism

In layout/activity\_login.xml:

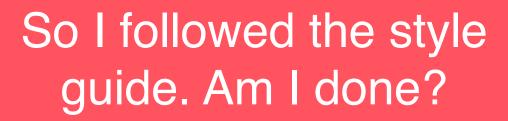
```
<LinearLayout ...>
  <EditText
      android:layout width="match parent"
      android:layout height="wrap content"
      android:hint="@string/login email hint"
      style="@style/StandardEditText" />
  <EditText
      android:layout width="match parent"
      android:layout height="wrap content"
      android:hint="@string/login password hint"
      style="@style/StandardEditText">
                           In values/styles xn.:
                            <style name='StandardEditText" parent="Widget.AppCompat.EditText">
</LinearLayout>
                            </style>
```

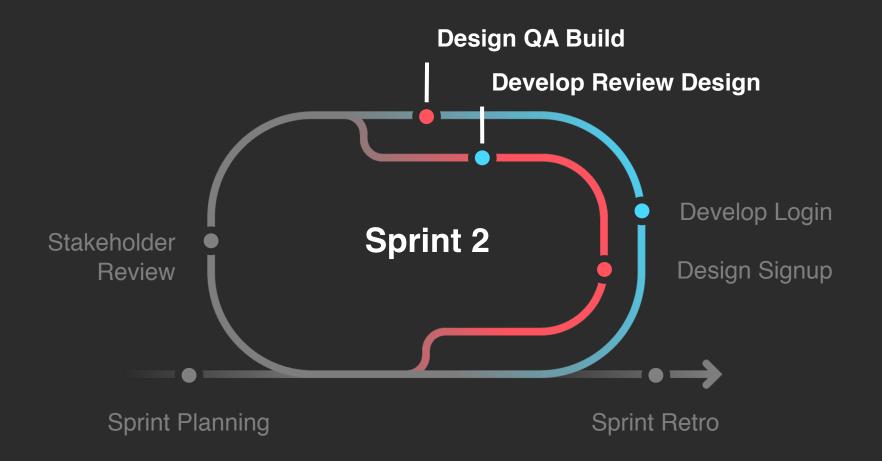
# **Leveraging the Theme**

# **Theme Style**

```
<!-- Base application theme. \rightarrow
<style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
   <item name="editTextStyle">@style/Standard
                                              <LinearLayout ...>
</style>
<!-- Molecules -->
                                                 <EditText
                                                     android:layout width="match parent"
<style name="StandardEditText" parent="Base.Wi</pre>
                                                     android:layout height="wrap content"
   <item name="android:textAppearance">@style
                                                     android:hint="@string/login email hint"
   <item name="android:textColor">@color/red
                                                     style="@style/StandardEditText" />
   <item name="android:textColorHint">@color/
</style>
                                                 <EditText
                                                     android:layout width="match parent"
                                                     android:layout height="wrap content"
                                                     android:hint="@string/login password hint"
                                                     style="@style/StandardEditText"/>
```

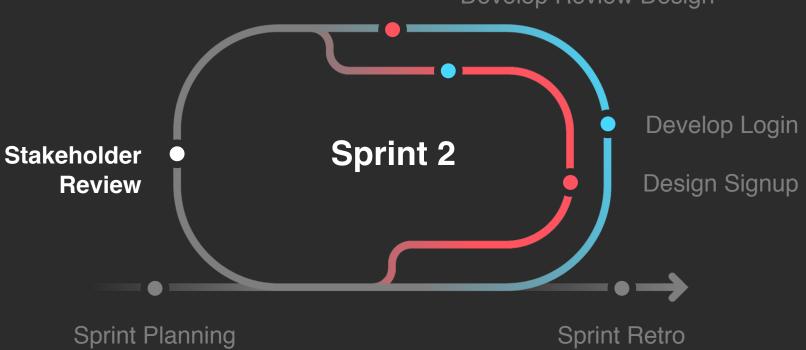
</LinearLayout>





# Design QA Build

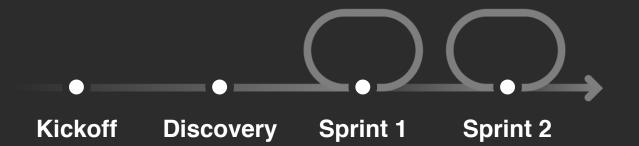
Develop Review Design



# Design QA Build

Develop Review Design





So just do this, and everything's great?

# Team must believe in the process.

It's also about the individual.

# Be responsive. Not reactive.

# 3 things to remember

- 1. Be empathetic
- 2. Check your ego
- 3. Assume positive intent

# **Close the Loop!**



# @kristinmars@zackiets@bignerdranch

Atomic Design:

http://bradfrost.com/blog/post/atomic-web-design/