



flight

#twitterflight



**Sean Cook**

Product Manager, Fabric

@theSeanCook

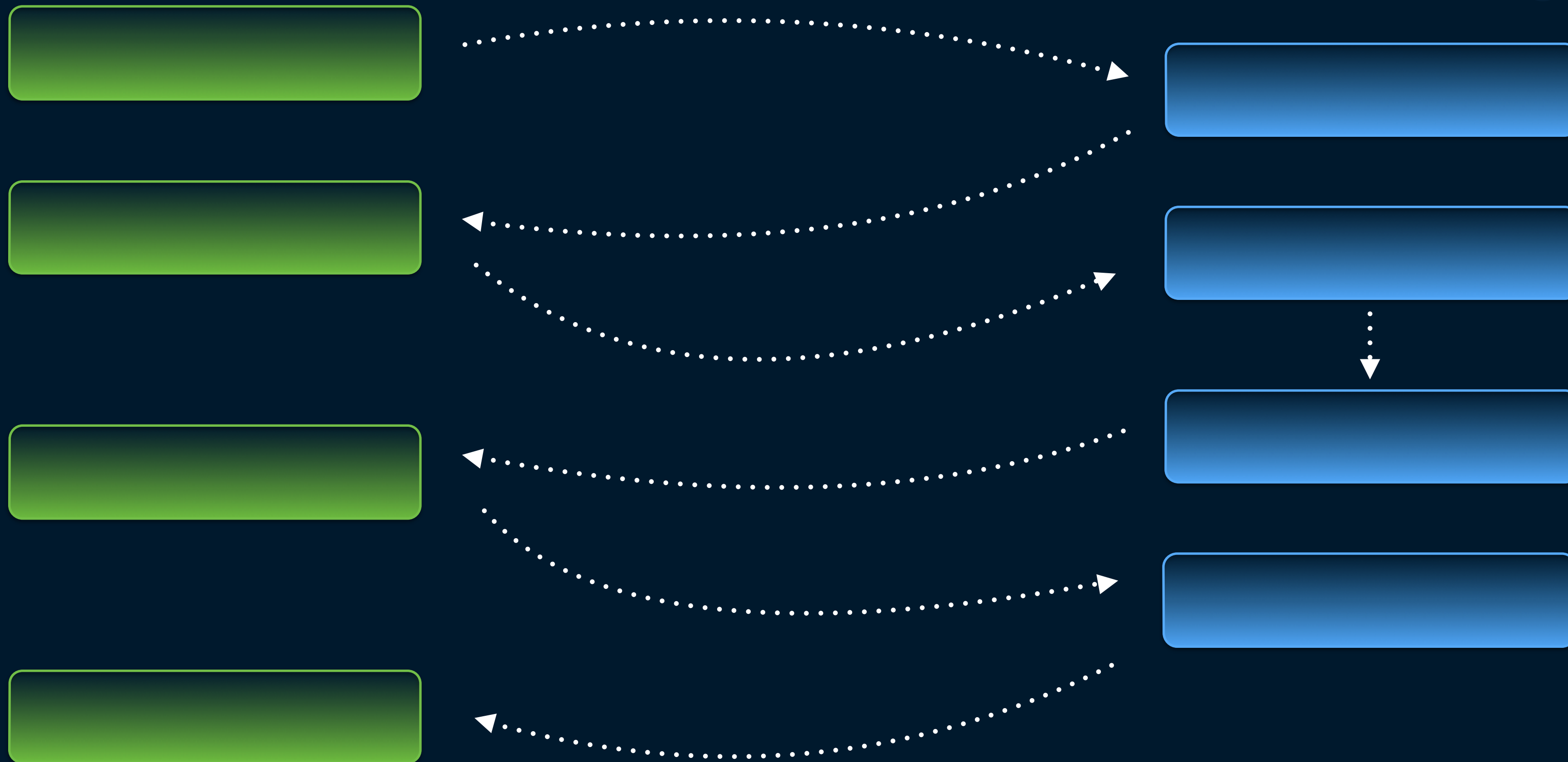
# Issues facing developers

Missing features

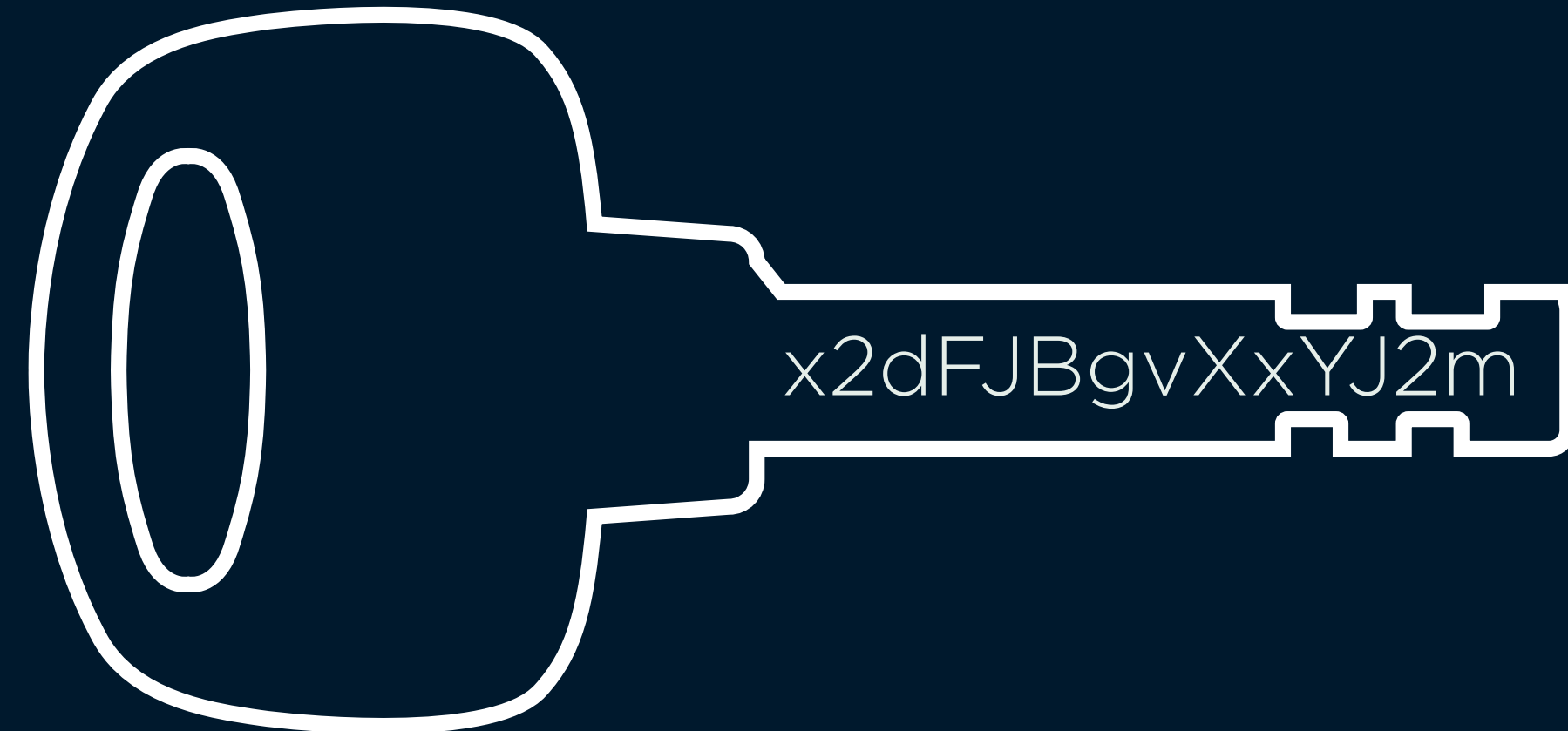
Technical challenges

Inconsistencies

# OAuth 1.0a



# API key management



# Parsing responses

```
{
  "contributors": null,
  "coordinates": null,
  "created_at": "Tue Mar 21 20:50:14 +0000 2006",
  "entities": {
    "hashtags": [],
    "symbols": [],
    "urls": [],
    "user_mentions": []
  },
  "favorite_count": 28835,
  "favorited": false,
  "geo": null,
  "id": 20,
  "id_str": "20",
  "in_reply_to_screen_name": null,
  "in_reply_to_status_id": null,
  "in_reply_to_status_id_str": null,
  "in_reply_to_user_id": null,
  "in_reply_to_user_id_str": null,
  "lang": "en",
  "place": null,
  "retweet_count": 38602,
  "retweeted": false,
  "text": "just setting up my twttr",
}
```

The good news

**SYN-ACK**



# Twitter Kit



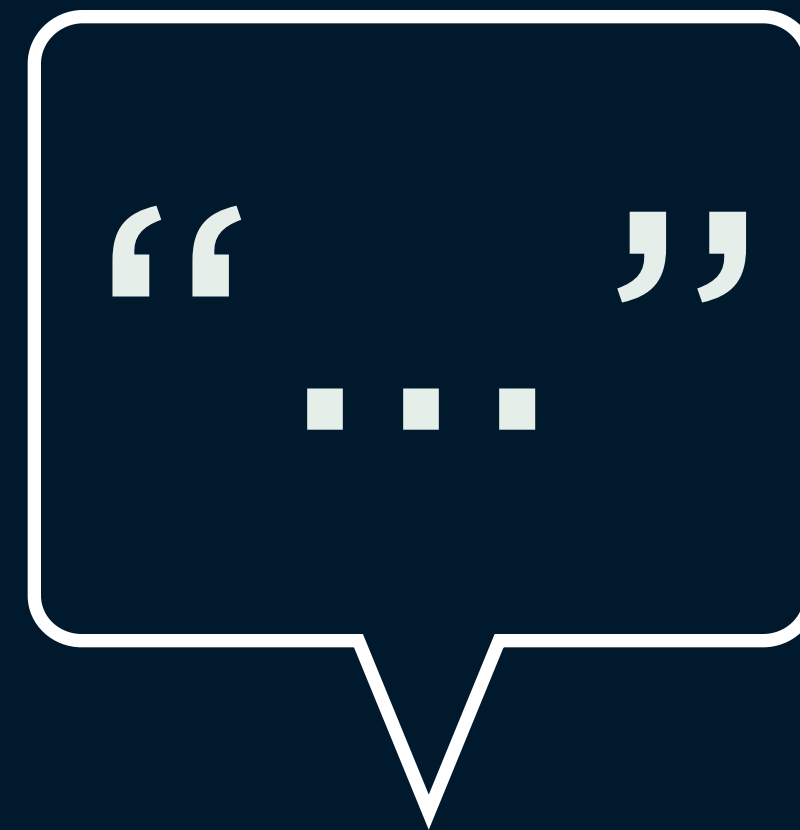
# Features



Sign on



Sharing



Tweets



REST API



faboric

# Benefits



Easy-to-install SDKs

Feature wizards

API key management

## Select a Kit to Install



### Crashlytics

The world's most powerful, yet lightest weight crash reporting solution. [More.](#)

Install



### Twitter

Integrate Sign in with Twitter, embed Tweets, and leverage the Twitter API in your app. [More.](#)

Install

mopub

### MoPub

Earn money with your app by connecting to the world's largest mobile ad exchange. [More.](#)

Install

Back

## Select your Twitter feature



### Use Digits

Add phone number signup and login to your app with just a few lines of code.

Select



### Embed Tweets

Embed tweets in your app with just a few lines of code.

Select



### Sign in with Twitter

Let your users sign in with their Twitter accounts using single-sign-in to enable full access to the Twitter

Select

Back

Jack's Tweet | Build Jack's Tweet: **Succeeded** | 10/12/14 at 6:53 PM

Jack's Tweet > Jack's Tweet > Supporting Files > Info.plist > No Selection

Key	Type	Value
▼ Information Property List	Dictionary	(15 items)
Localization native development r...	String	en
Executable file	String	\$(EXECUTABLE_NAME)
Bundle identifier	String	com.seancook.\$(PRODUCT_NAME:rfc1034identifier)
InfoDictionary version	String	6.0
Bundle name	String	\$(PRODUCT_NAME)
Bundle OS Type code	String	APPL
Bundle versions string, short	String	1.0
Bundle creator OS Type code	String	????
Bundle version	String	1
▼ Fabric	Dictionary	(2 items)
APIKey	String	134db1043648a2380070c9df01216f13c213ecad4
▶ Kits	Array	(1 item)

▼ Fabric	Dictionary	(2 items)
APIKey	String	134db1043648a2380070c9df01216f13c213ecad4
▶ Kits	Array	(1 item)

Application requires iPhone environment: YES

No Selection

Auto ▾ |  All Output ▾

# Integrating with Fabric

Fabric.with()

Fabric.with ( Crashlytics )



Fabric.with( MoPub )

Fabric.with ( Twitter )

Fabric .with ( Crashlytics Twitter MoPub )

Fabric.with ( Twitter )

# ios

```
- (BOOL)application:(UIApplication *)application  
didFinishLaunchingWithOptions:(NSDictionary *)launchOptions {  
  
    [Fabric with:@[TwitterKit]];  
  
    return YES;  
}
```

# ios

```
- (BOOL)application:(UIApplication *)application  
didFinishLaunchingWithOptions:(NSDictionary *)launchOptions {  
    [Fabric with:@[TwitterKit]];  
    return YES;  
}
```

# Android

```
protected void onCreate(Bundle savedInstanceState){  
    super.onCreate(savedInstanceState);  
    Fabric.with(this, new Twitter());  
}
```

# Android

```
protected void onCreate(Bundle savedInstanceState){  
    super.onCreate(savedInstanceState);  
    Fabric.with(this, new Twitter());  
}
```



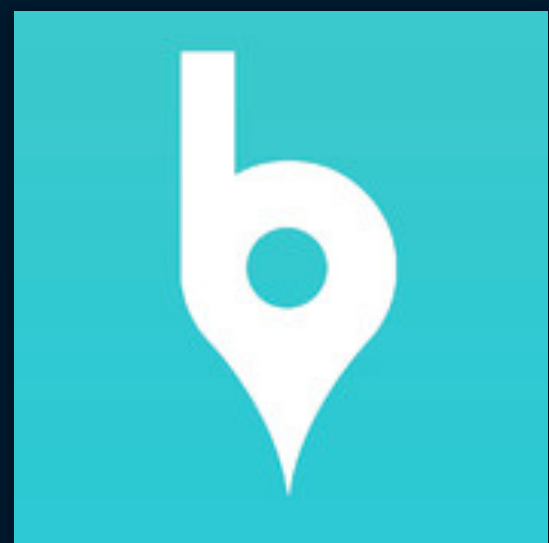
# Single sign on

# Why you should care

Fast, safe way for login

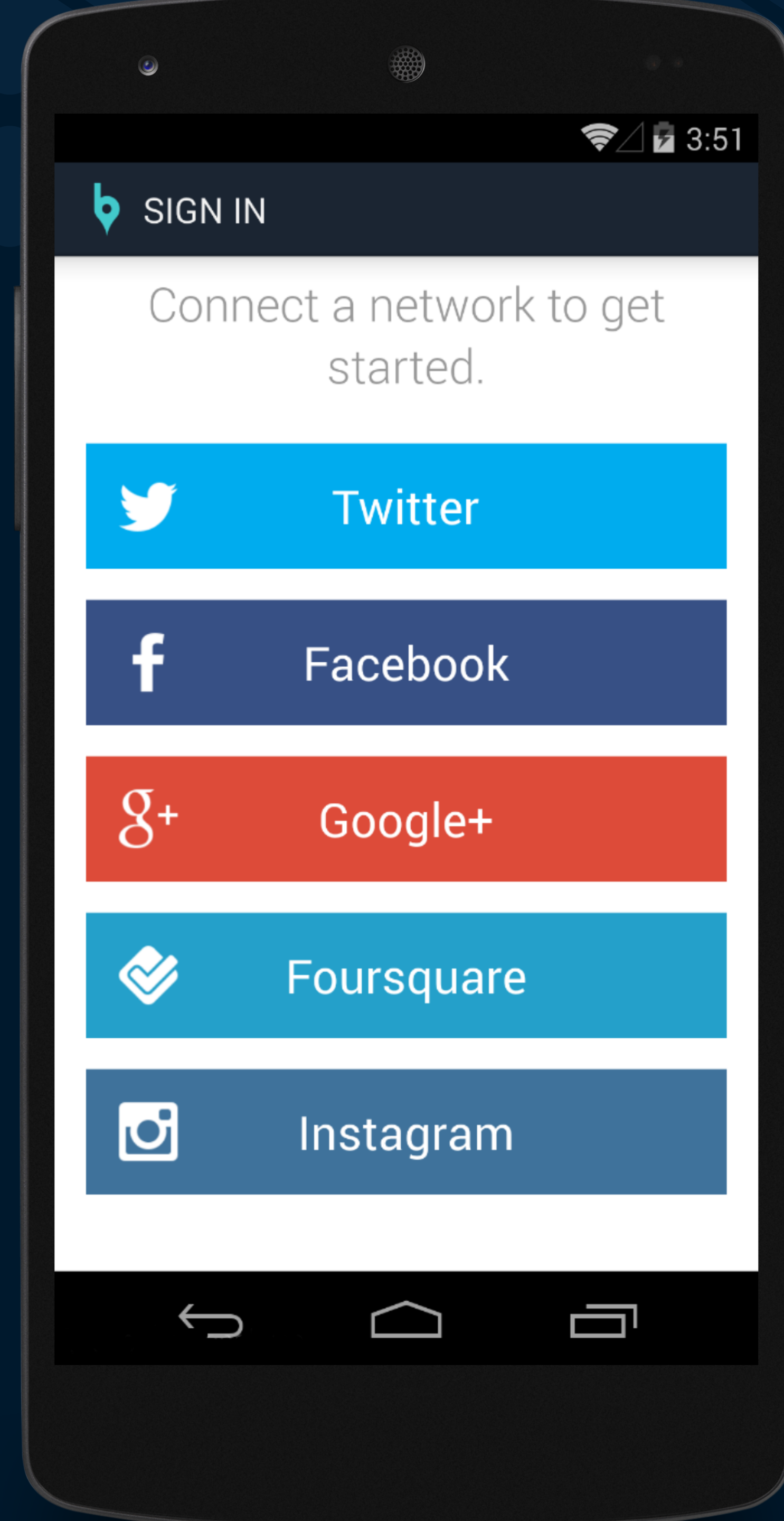
Web and mobile

Persona



# Ban.jo

by Banjo



# Identity vs. Persona

Sign in with Phone Number



Sign in with Twitter

# Identity vs. Persona

Sign in with Phone Number

555-867-5309



Sign in with Twitter

@theSeanCook

# Identity vs. Persona

Sign in with Phone Number

555-867-5309



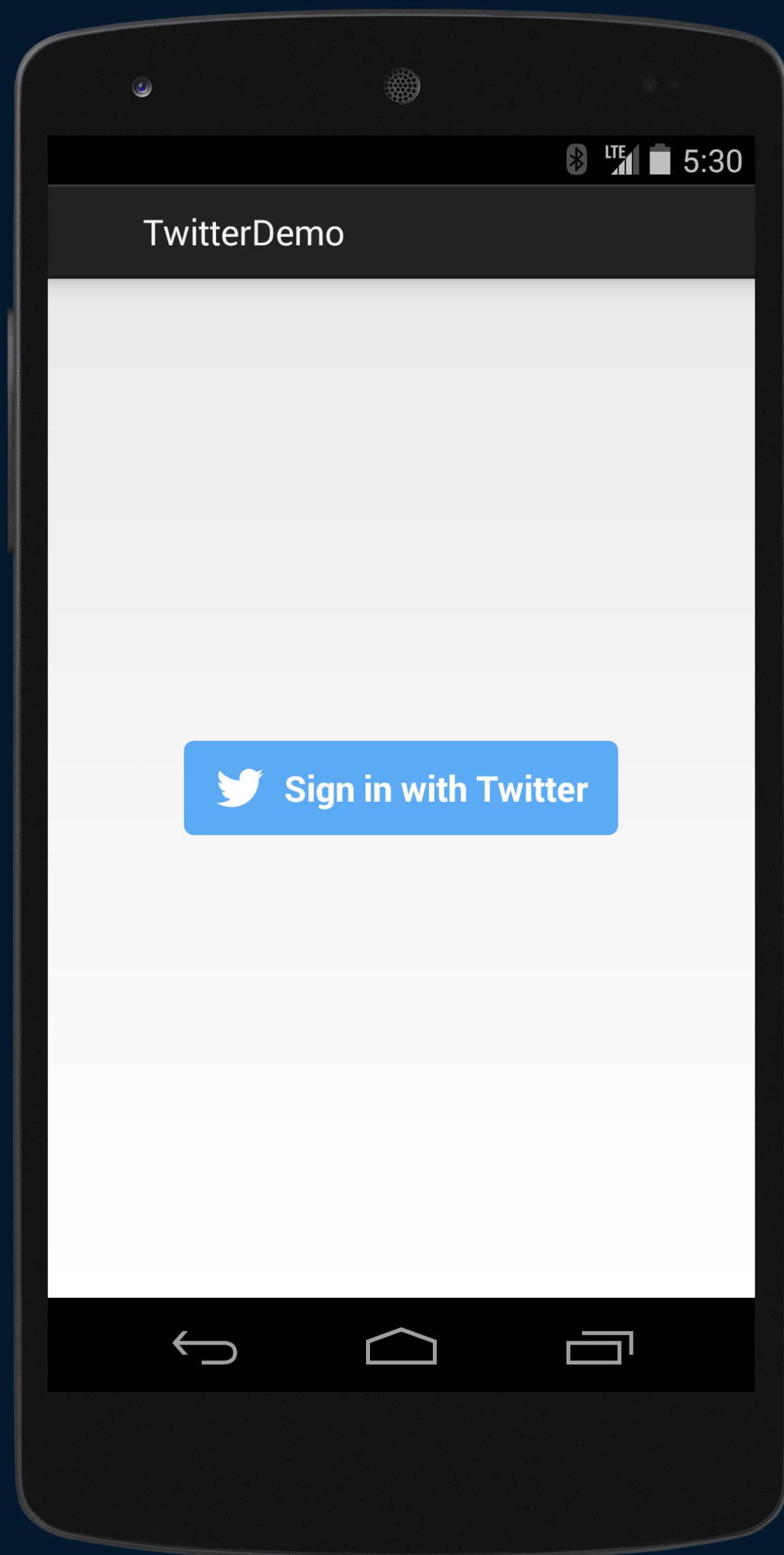
Sign in with Twitter

@theSeanCook



 Sign in with Twitter

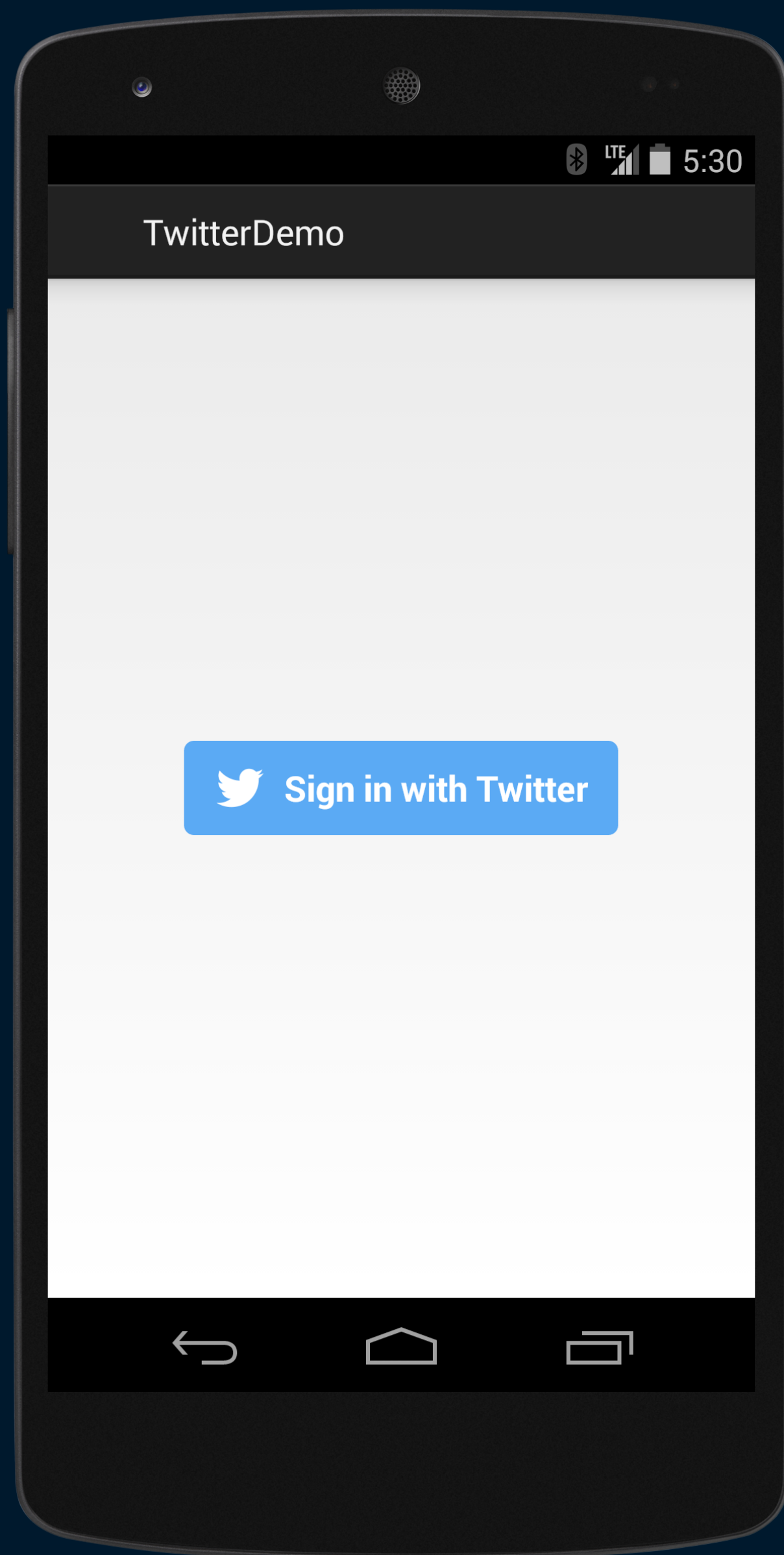




# Layout XML

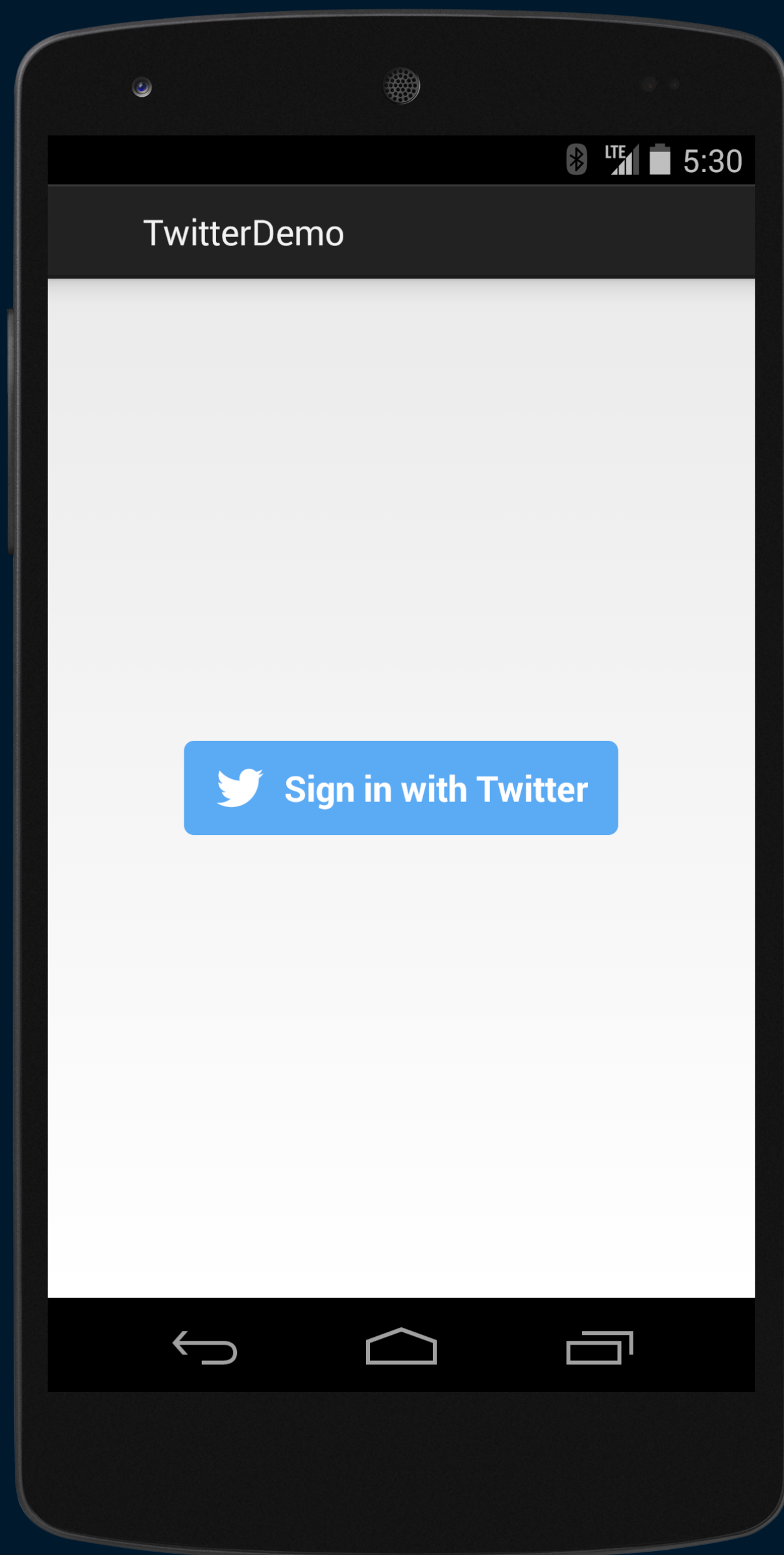
```
<com.twitter.sdk.android.core.identity.TwitterLoginButton  
    android:id="@+id/twitter_login_button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerInParent="true"  
>
```





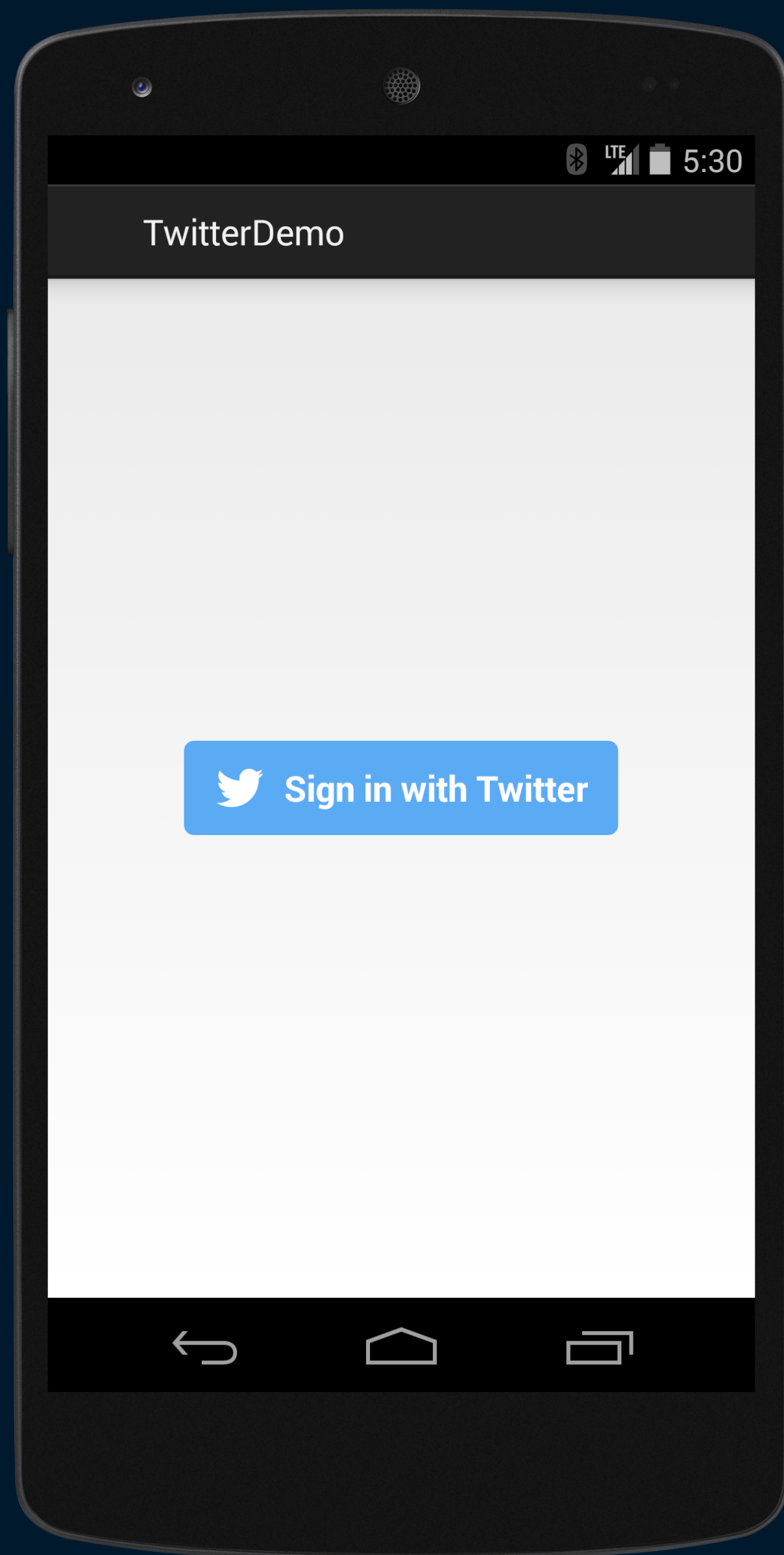
# Layout XML

```
<com.twitter.sdk.android.core.identity.TwitterLoginButton  
    android:id="@+id/twitter_login_button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerInParent="true"  
>
```



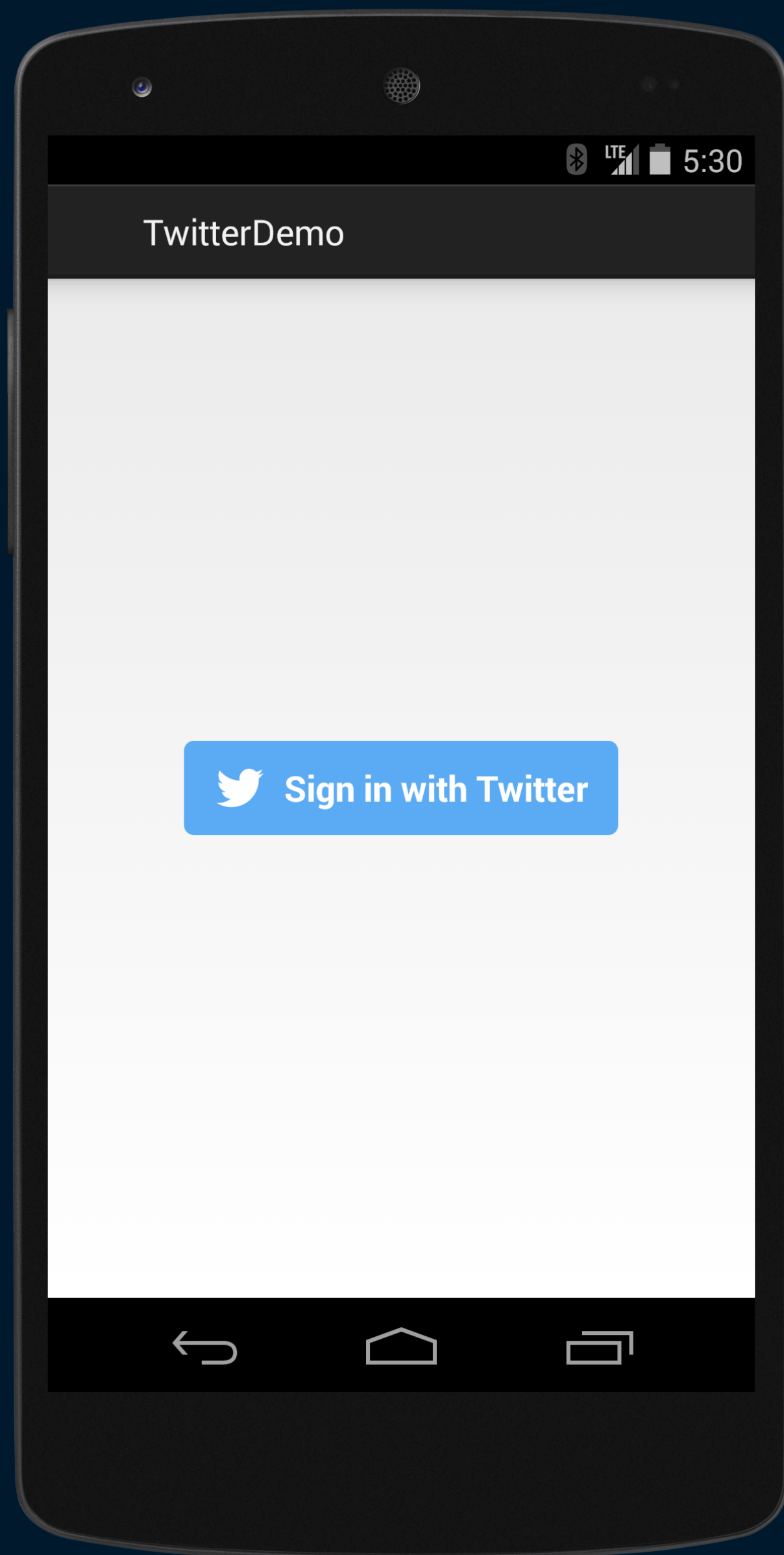
# Sign in with Twitter

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
  
    loginButton = (TwitterLoginButton)  
        findViewById(R.id.twitter_login_button);  
  
    });  
}
```



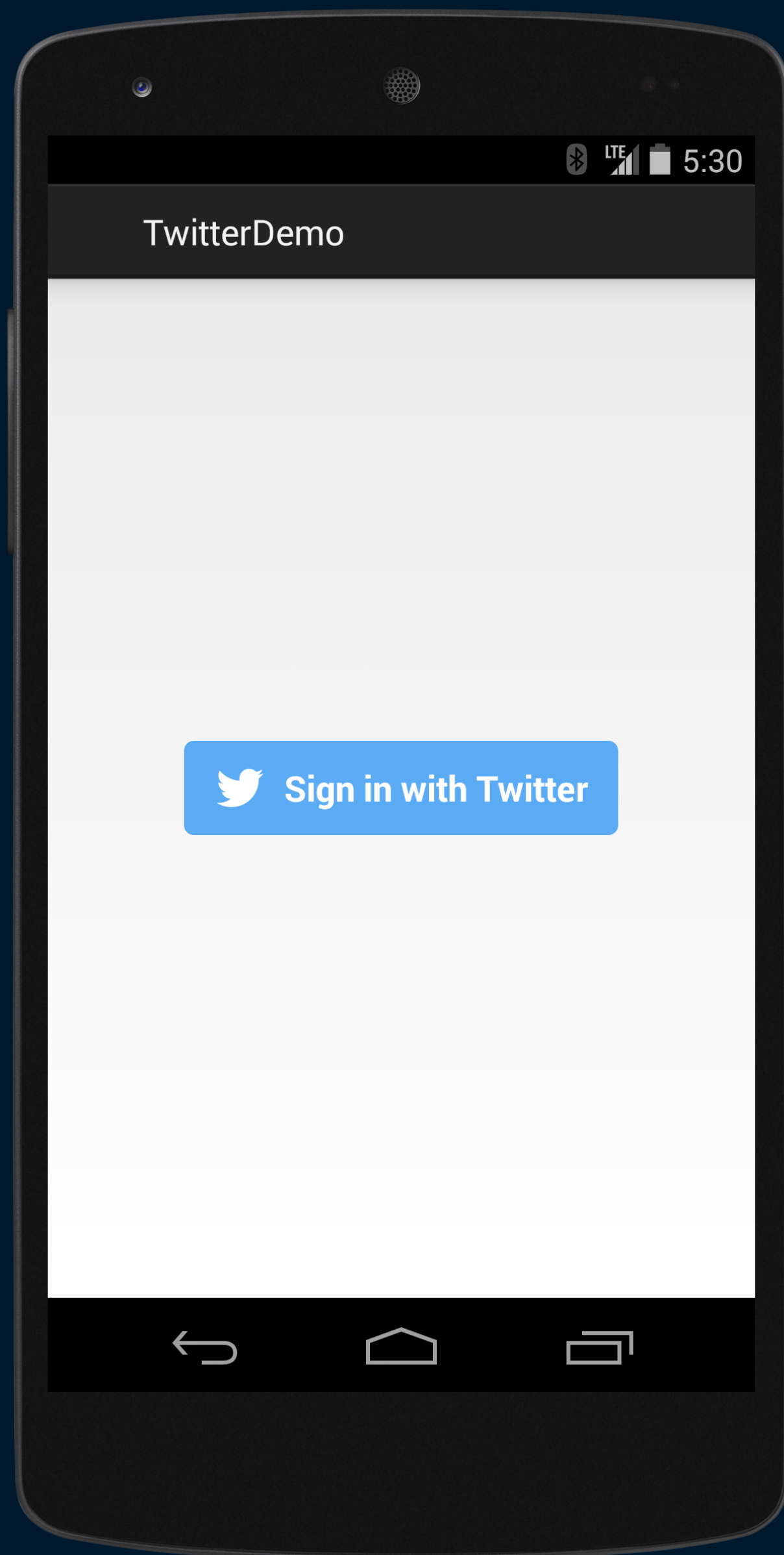
# Sign in with Twitter

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
  
    loginButton = (TwitterLoginButton)  
        findViewById(R.id.twitter_login_button);  
  
    loginButton.setCallback(new Callback<TwitterSession>() {  
  
        });  
}
```



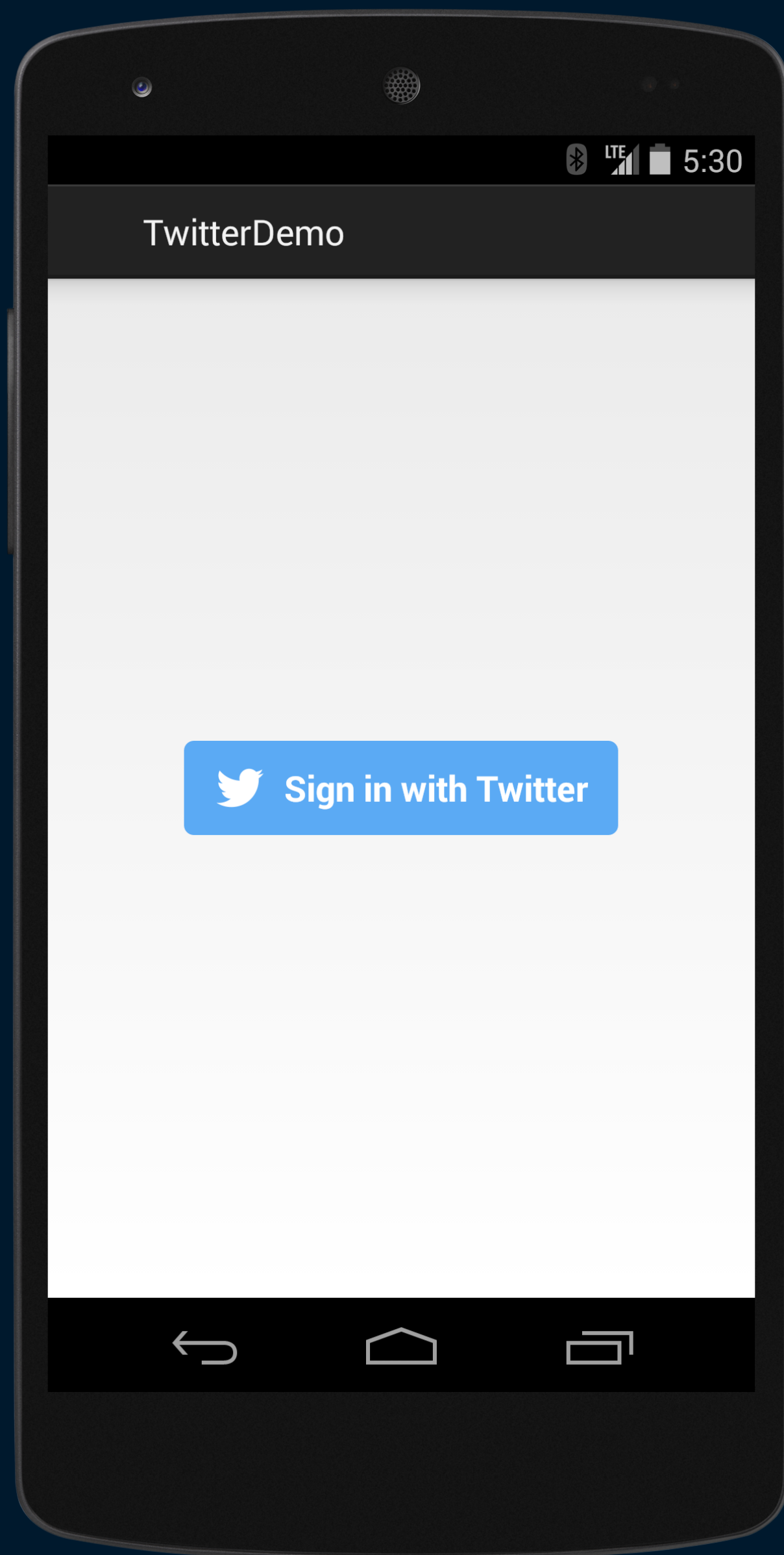
# Sign in with Twitter

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
  
    loginButton = (TwitterLoginButton)  
        findViewById(R.id.twitter_login_button);  
  
    loginButton.setCallback(new Callback<TwitterSession>() {  
  
        public void success(Result<TwitterSession> result) {  
        }  
  
        public void failure(TwitterException exception) {  
        }  
  
    });  
}
```



# Pass the result

```
protected void onActivityResult(int requestCode,
    int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    loginButton.onActivityResult(requestCode, resultCode,
        data);
}
```



# Pass the result

```
protected void onActivityResult(int requestCode,
    int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    loginButton.onActivityResult(requestCode, resultCode,
        data);
}
```

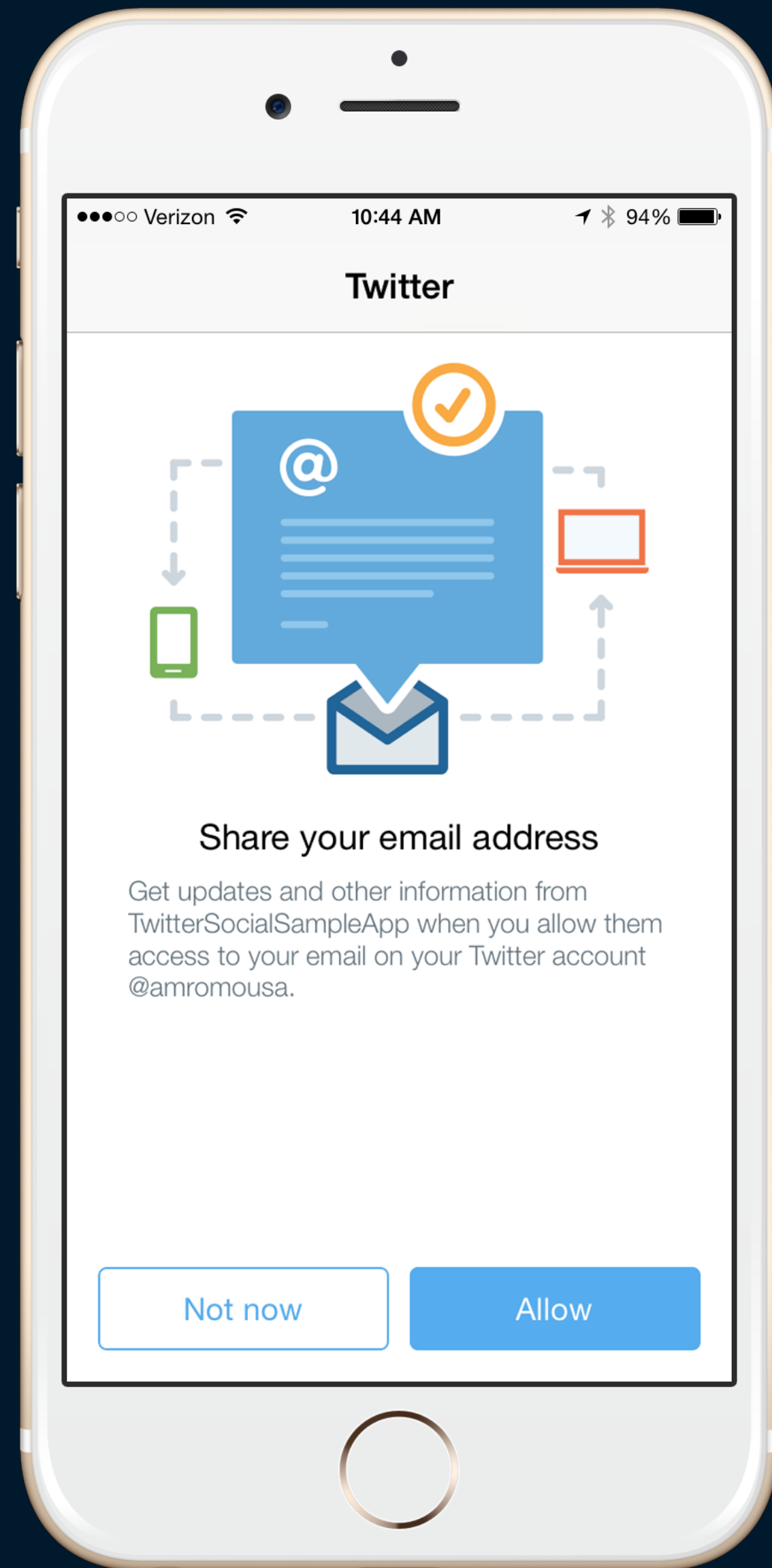
One more thing...

@theSeanCook

theSeanCook@twitter.com

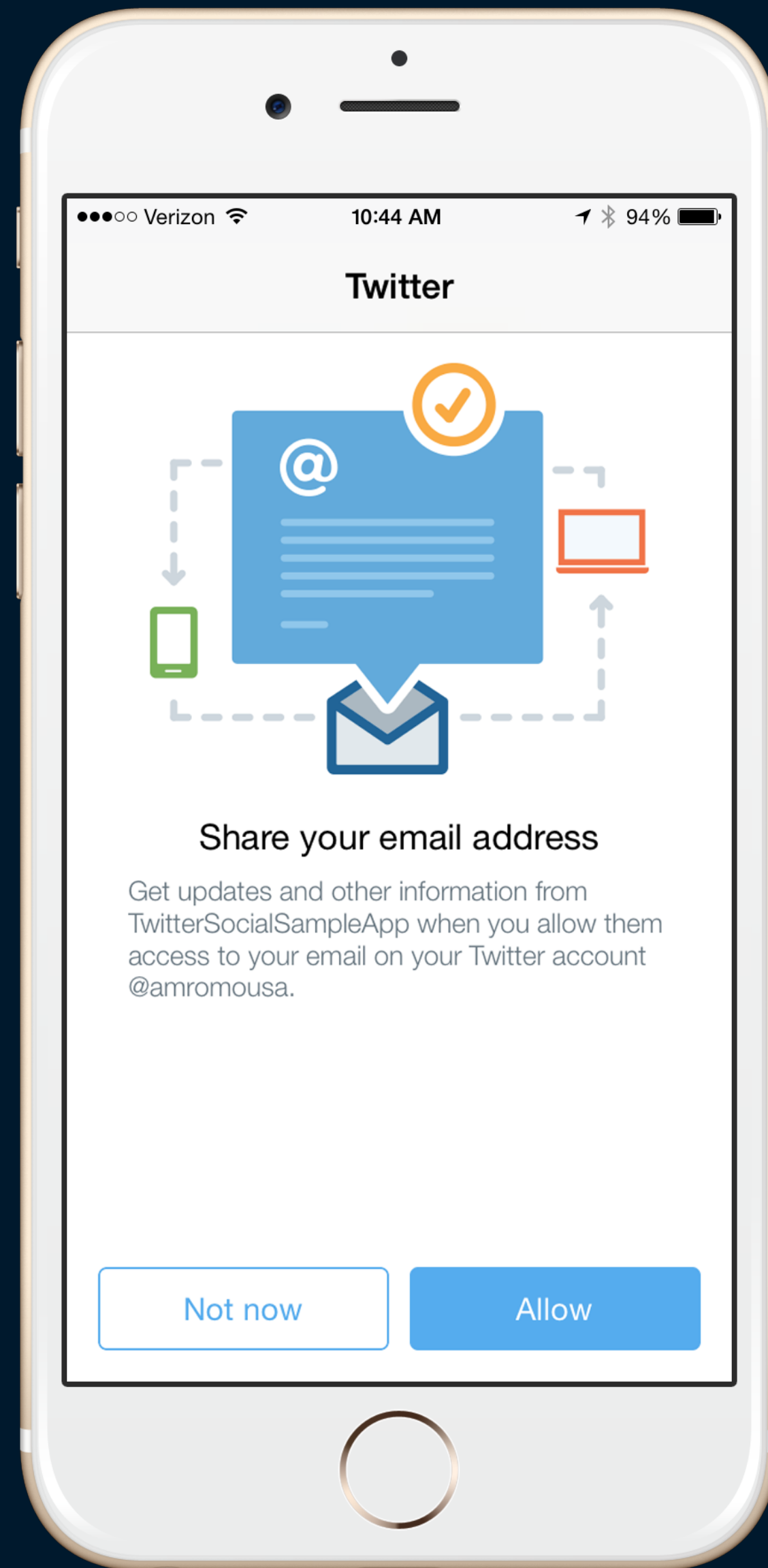


# Requesting email



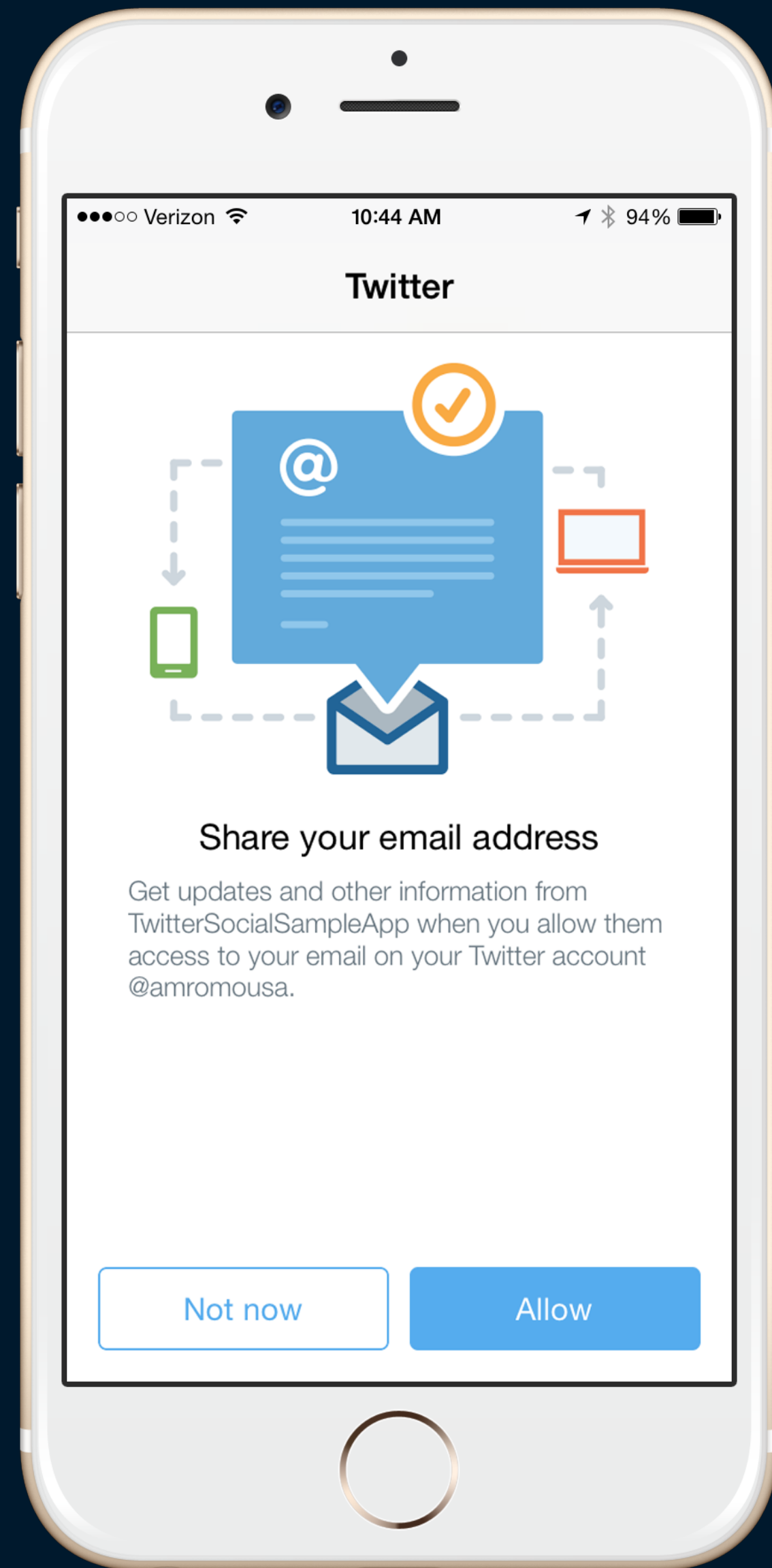
```
let shareEmail = TWTRShareEmailViewController {  
    (email: String!, error: NSError!) -> Void in  
    println("The user's email: \(email)")  
}
```

# Completion block



```
let shareEmail = TWTRShareEmailViewController {  
    (email: String!, error: NSError!) -> Void in  
    println("The user's email: \(email)")  
}
```

# Use the address



```
let shareEmail = TWTRShareEmailViewController {  
    (email: String!, error: NSError!) -> Void in  
    println("The user's email: \(email)")  
}
```

# Sharing

# Why you should care

Your users are your marketers

Drive engagement

Drive installs

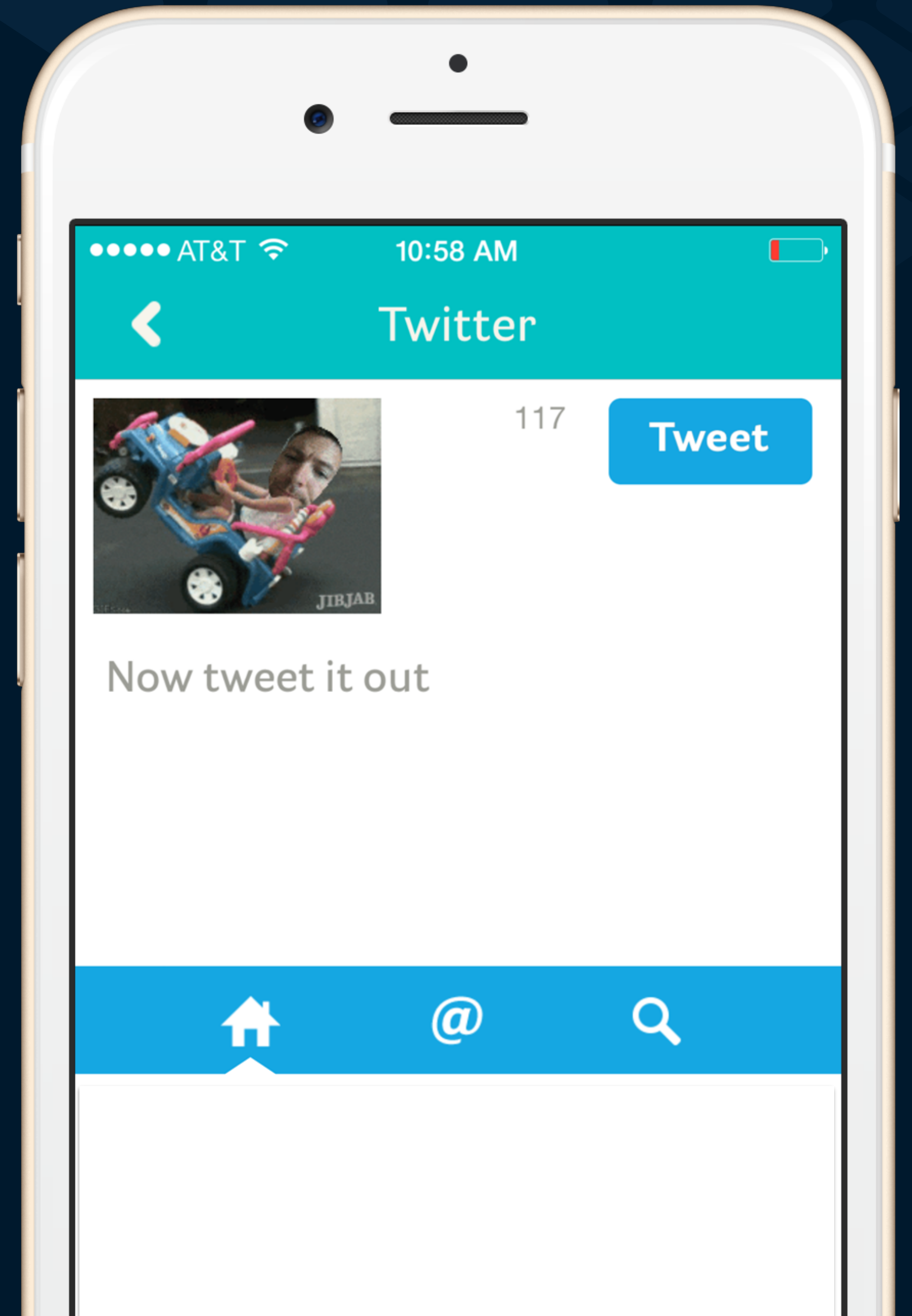


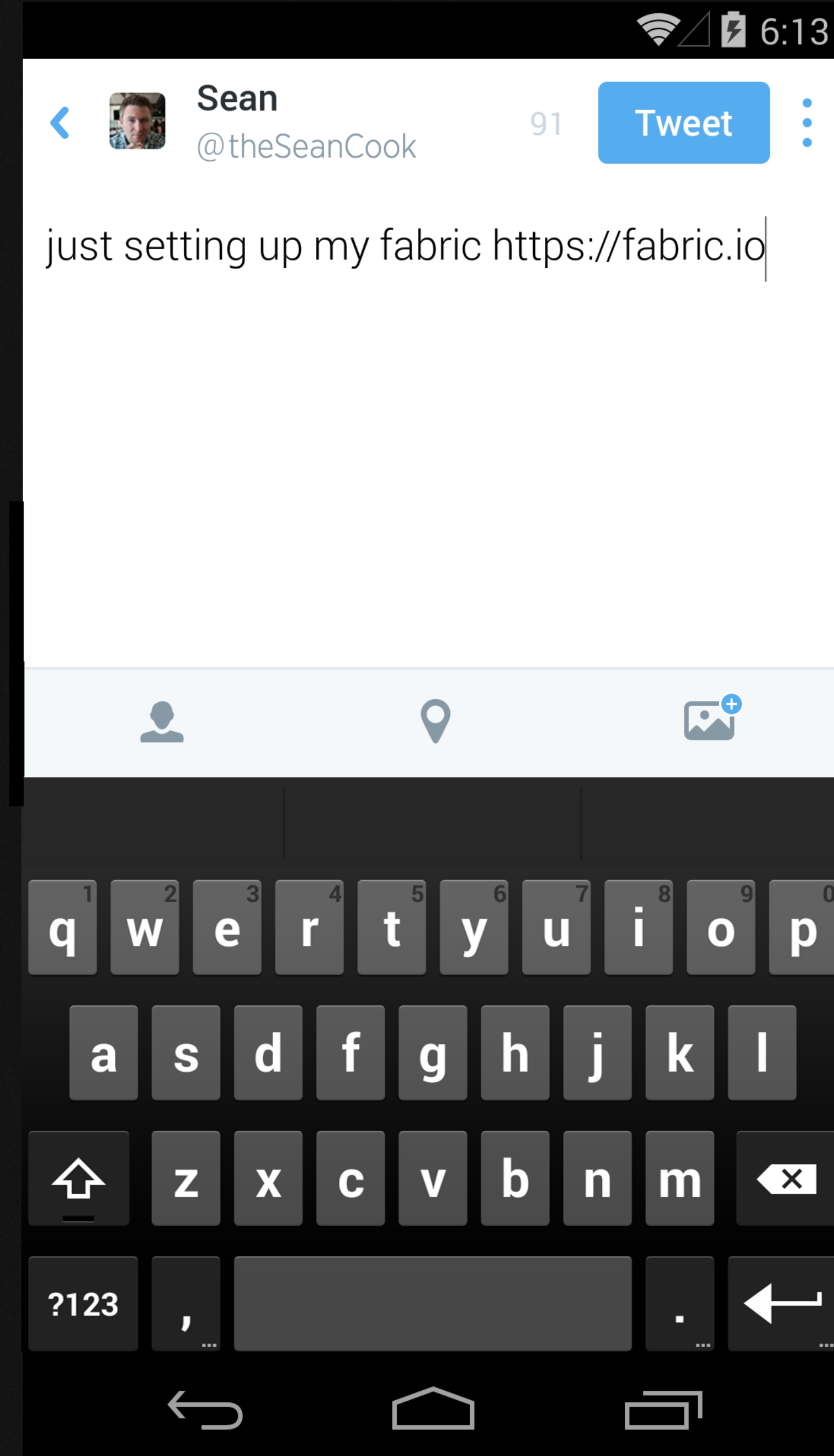
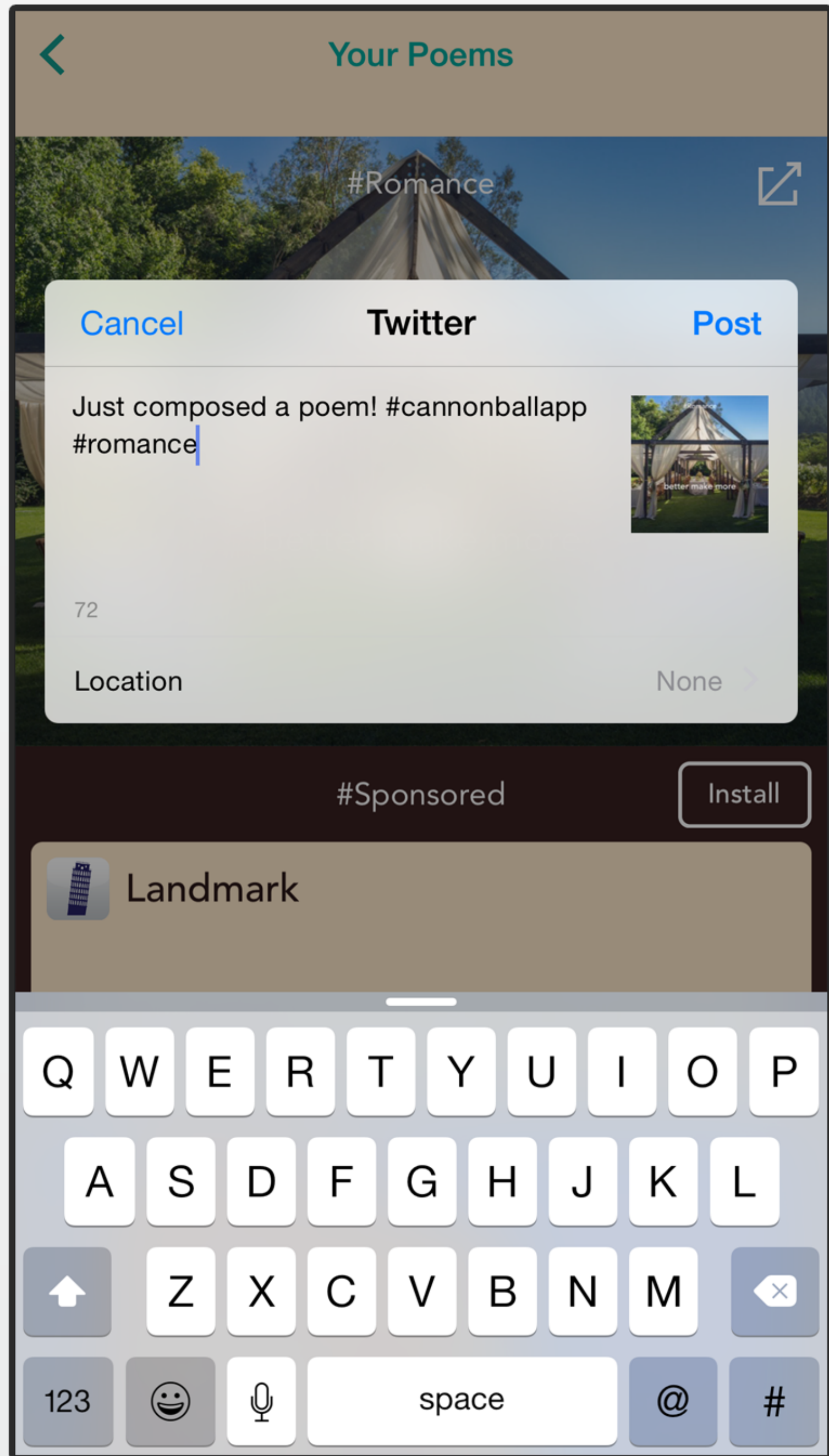
# JibJab Messages by JibJab Media





# JibJab Messages by JibJab Media







# Tweet Composer

```
new TweetComposer.Builder(this)
    .text("just setting up my fabric")
    .url(new URL("http://www.fabric.io"))
    .show();
```

# Tweet Composer

```
new TweetComposer.Builder(this)
    .text("just setting up my fabric")
    .url(new URL("http://www.fabric.io"))
    .show();
```

# Tweet Composer

```
new TweetComposer.Builder(this)
    .text("just setting up my fabric")
    .url(new URL("http://www.fabric.io"))
    .show();
```

# Tweet embeds

# Why you should care

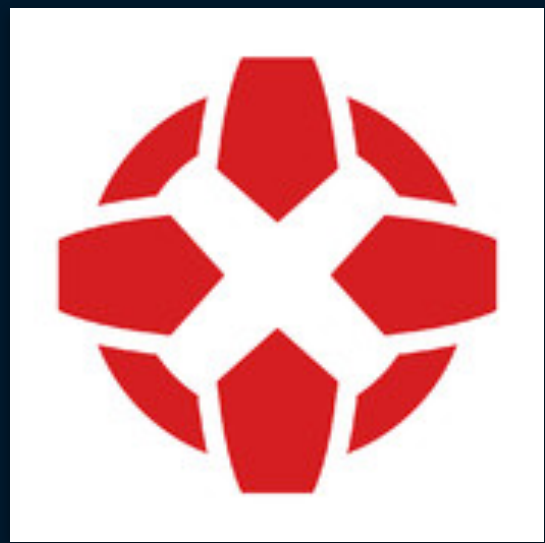
Real-time content is king

Complements your content

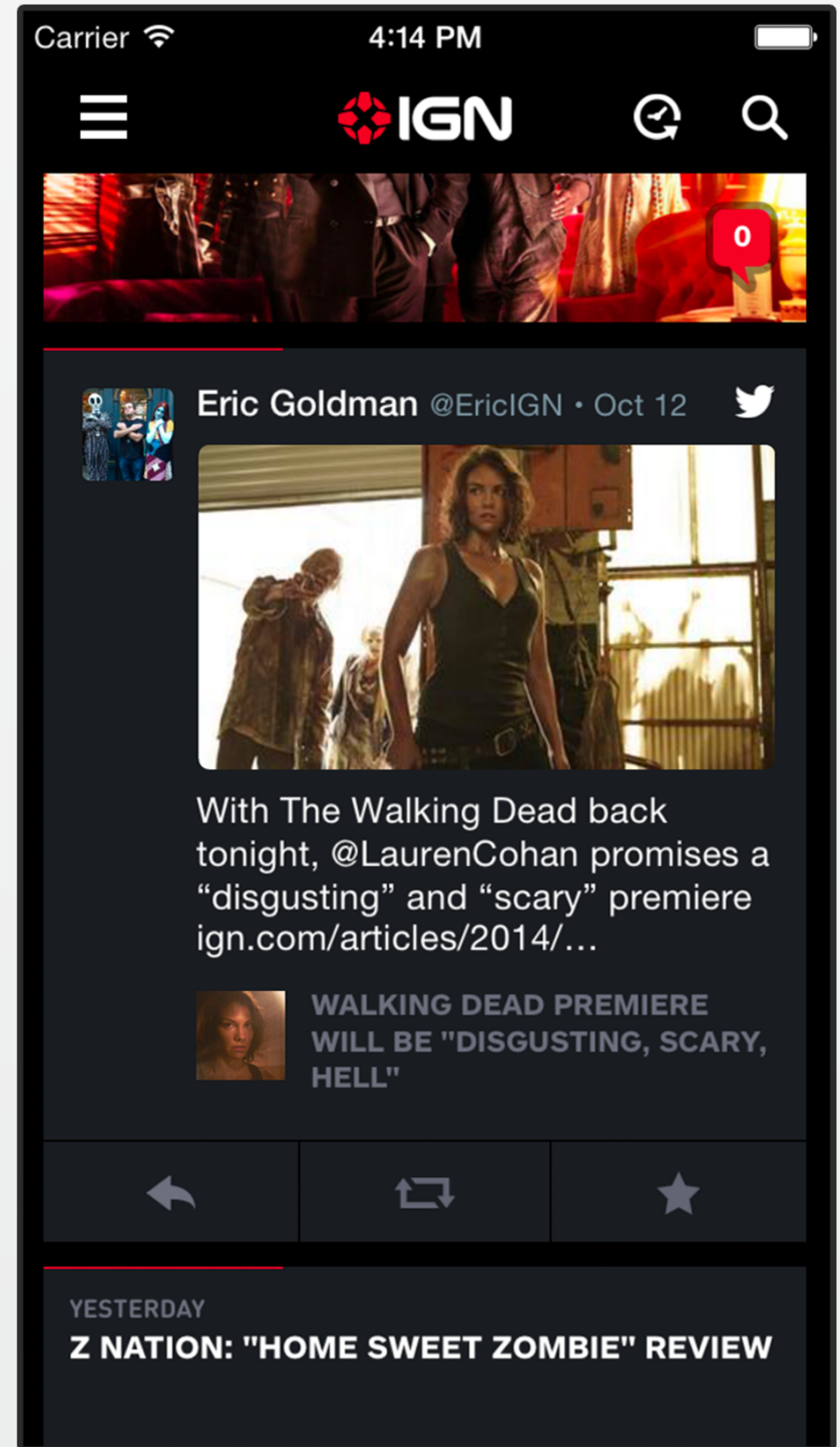
Something for everyone

# The anatomy of a Tweet





**IGN**  
by IGN



# Embedded Tweets

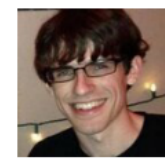




# Loading a Tweet

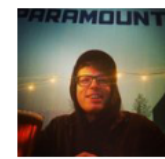
```
let tweetId = "473722095130533888"  
  
Twitter.sharedInstance().APIClient.loadTweetWithID(tweetId){  
    (tweet: TWTRTweet!, error: NSError!) in  
  
}
```

### TweetUi Demo Application



**Dalton Hubble** @dghubble • Aug 23 

Just follow the sound of British accents to get to the Doctor Who midnight showing #DoctorWho #SF



**André Pinter** @endform • Sep 13 



New bike! Rides like a dream



**Kang Chen** @kang • Jun 02 

Need an infographic on bandwidth usage for WWDC per company



**Steven Hepting** @stevenhepting • Jun 14 

Great RxSwift stuff here: [github.com/isnahrsummers/](https://github.com/isnahrsummers/)

# Loading a Tweet

```
let tweetId = "473722095130533888"  
  
Twitter.sharedInstance().APIClient.loadTweetWithID(tweetId){  
    (tweet: TWTRTweet!, error: NSError!) in  
  
}
```

# Creating a Tweet View

```
let tweetId = "473722095130533888"

Twitter.sharedInstance().APIClient.loadTweetWithID(tweetId){
    (tweet: TWTRTweet!, error: NSError!) in
    let tweetView = TWTRTweetView(tweet: tweet)
    self.view.addSubview(tweetView)
}
```

# Guest authentication

```
let tweetId = "473722095130533888"

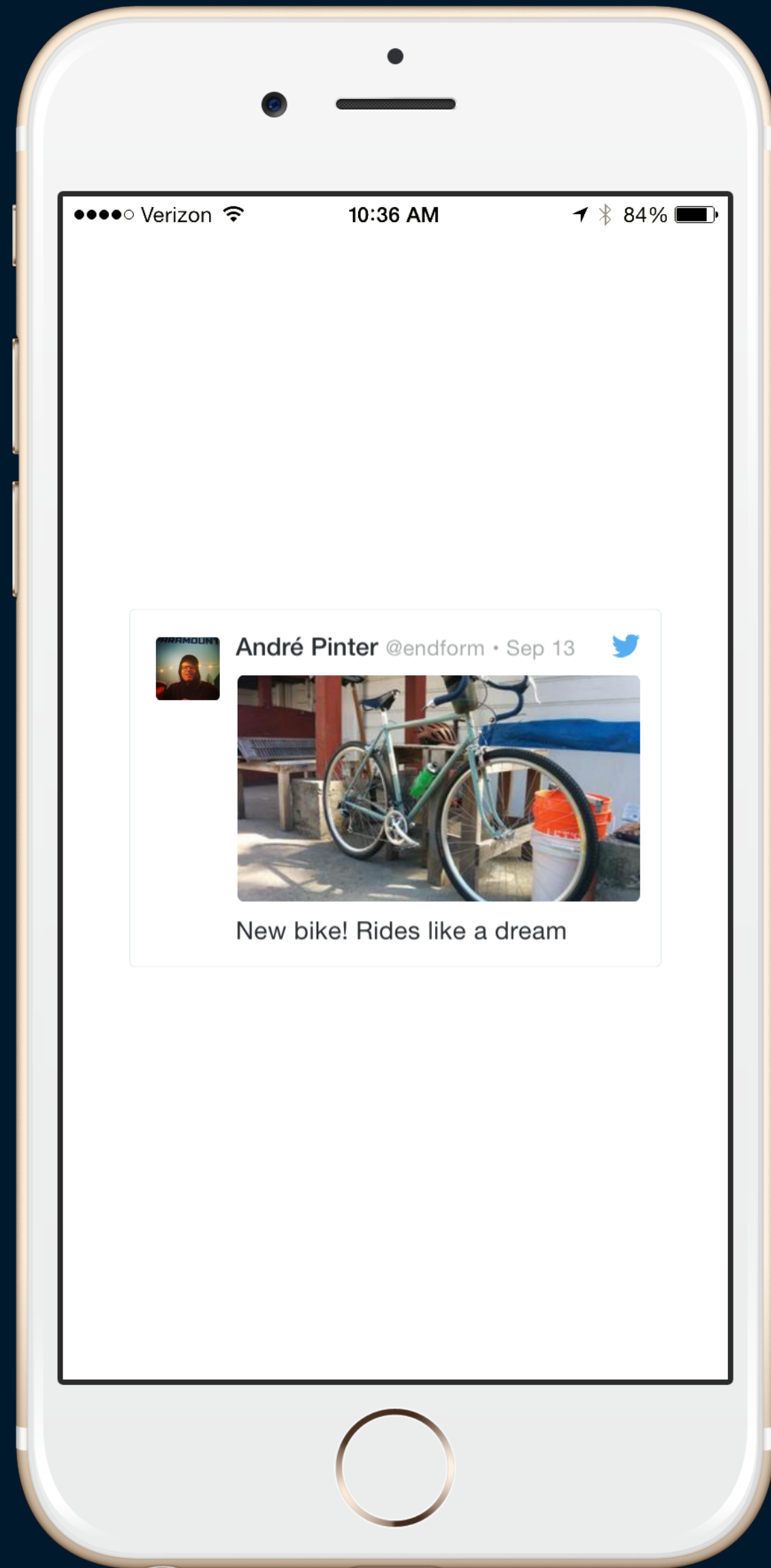
Twitter.sharedInstance().logInGuestWithCompletion {
    (session: TWTRGuestSession!, error: NSError!) in

    Twitter.sharedInstance().APIClient
        .loadTweetWithID(tweetId) {

            (tweet: TWTRTweet!, error: NSError!) in

            let tweetView = TWTRTweetView(tweet: tweet)

            self.view.addSubview(tweetView)
        }
    }
}
```



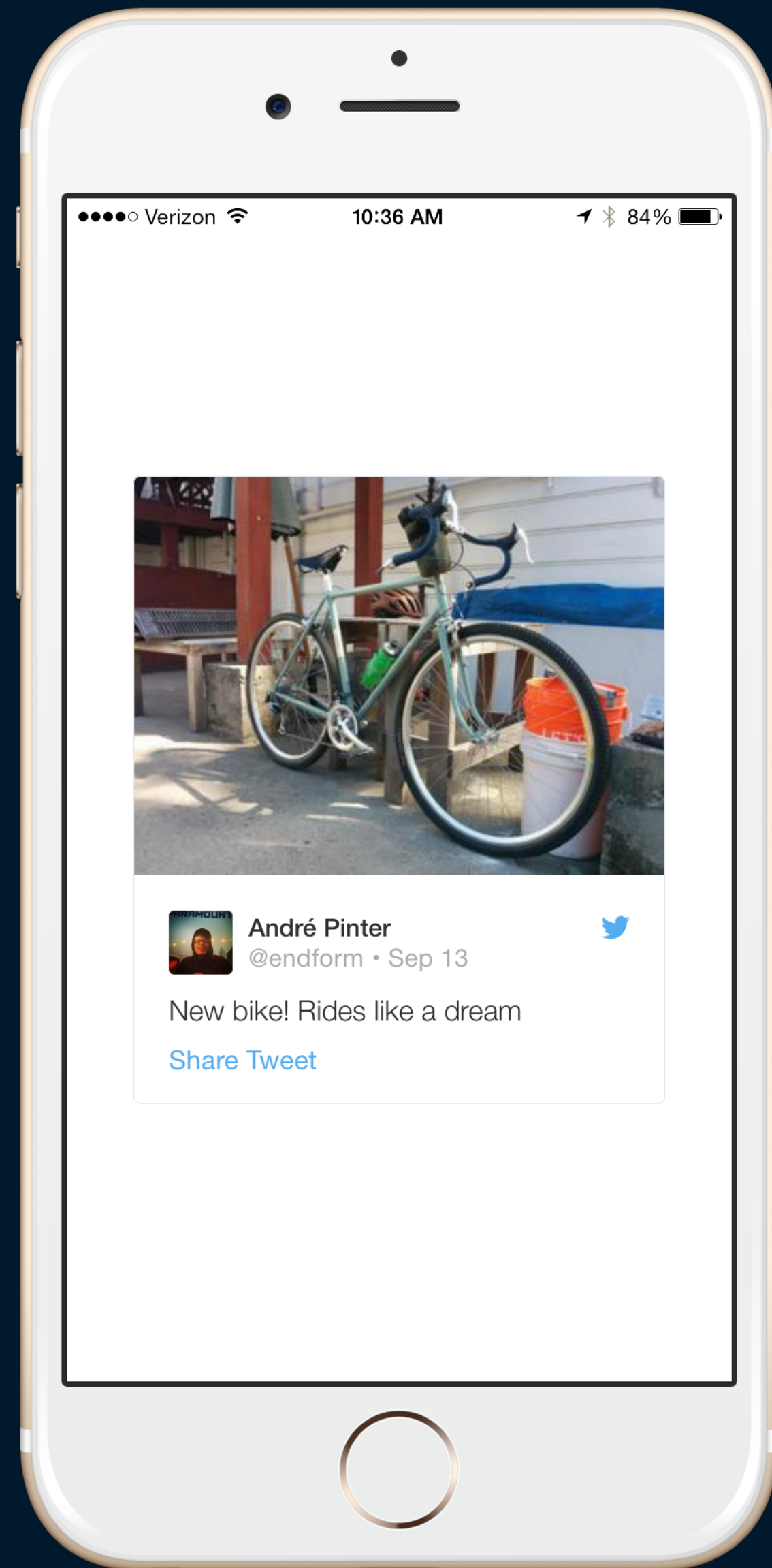
# Compact size

```
let tweetView = TWTRTweetView(tweet: tweet)
```

# Regular size

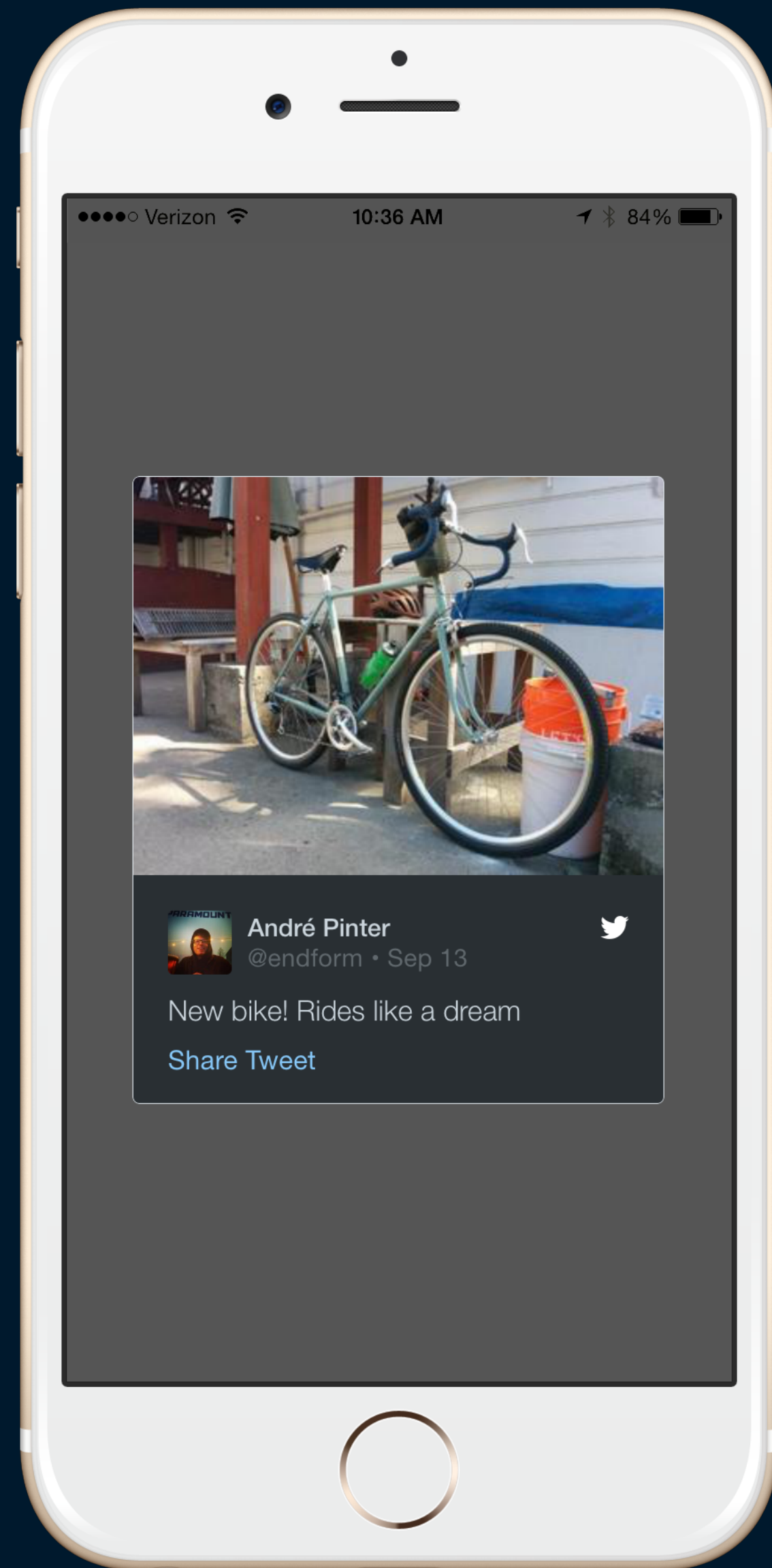
```
let tweetView =
```

```
  TWTRTweetView(tweet: tweet, style: .Regular)
```



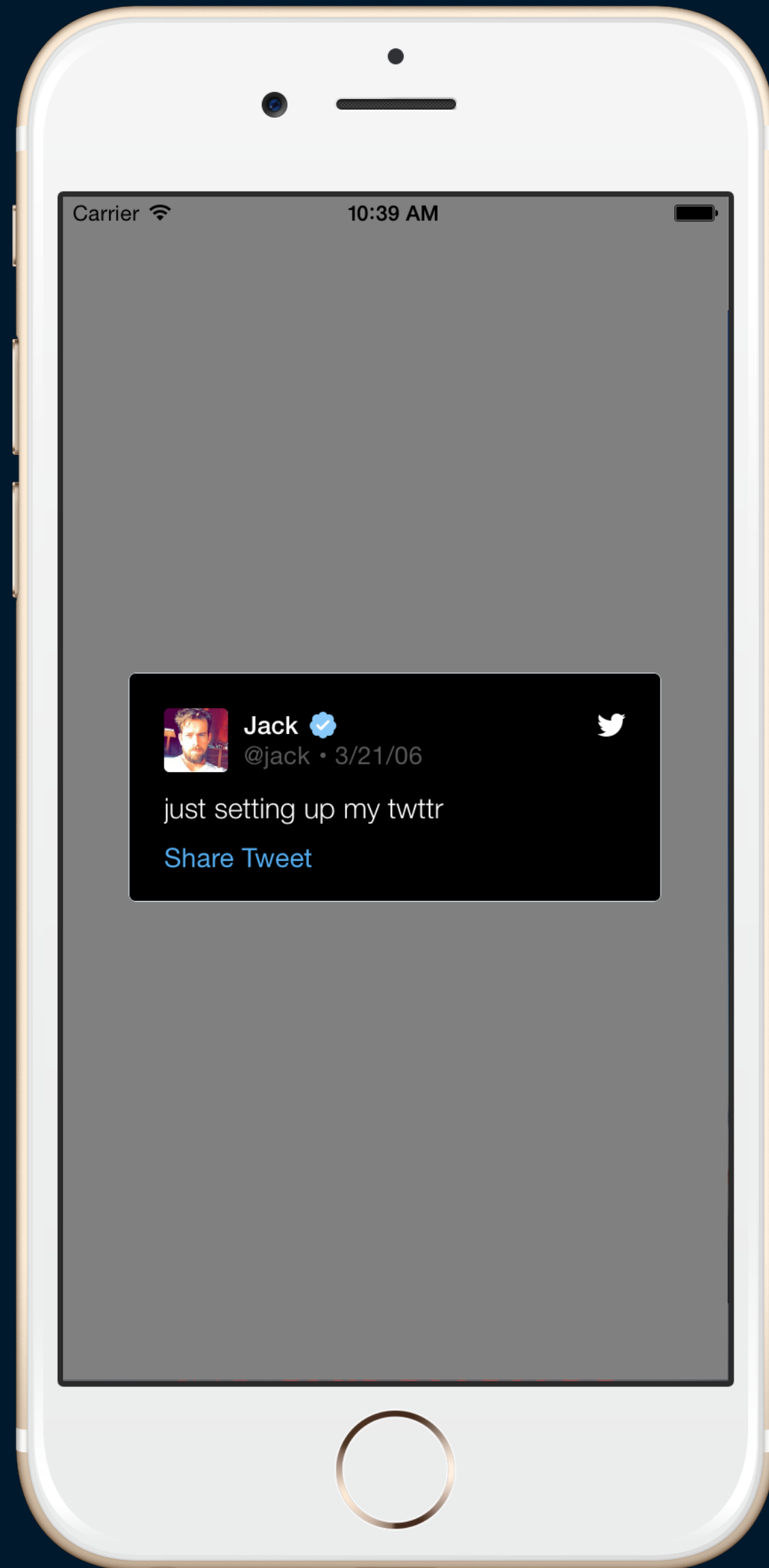
# Themes

```
let tweetView =  
    TWTRTweetView(tweet: tweet, style: .Regular)  
tweetView.theme = TWTRTweetViewTheme.Dark
```





# Customizations



```
let tweetView =  
    TWTRTweetView(tweet: tweet, style: .Regular)
```

```
TWTRTweetView.appearance().backgroundColor =  
    UIColor.blackColor()
```

```
TWTRTweetView.appearance().primaryTextColor =  
    UIColor.whiteColor()
```

# Tweet View delegate

```
willShareTweet(tweet: TWTRTweet!)
```

```
didSelectTweet(tweet: TWTRTweet!)
```

```
didShareTweet(tweet: TWTRTweet!, withType shareType: String!)
```

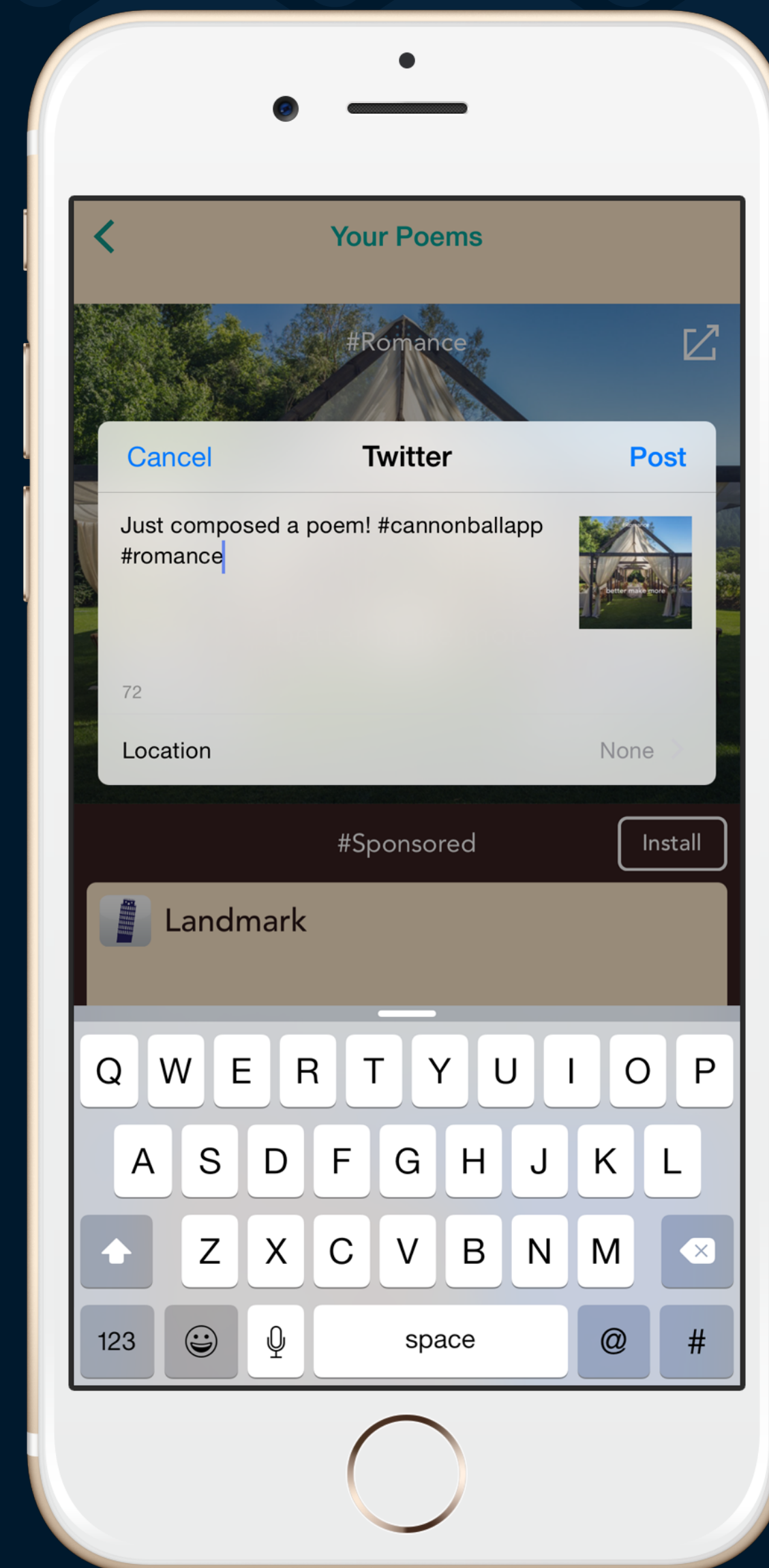
```
cancelledShareTweet(tweet: TWTRTweet!)
```

```
didTapURL(url: NSURL!)
```

# Cannonball

[github.com/twitterdev/  
cannonball-ios](https://github.com/twitterdev/cannonball-ios)

[github.com/twitterdev/  
cannonball-android](https://github.com/twitterdev/cannonball-android)



# Recap



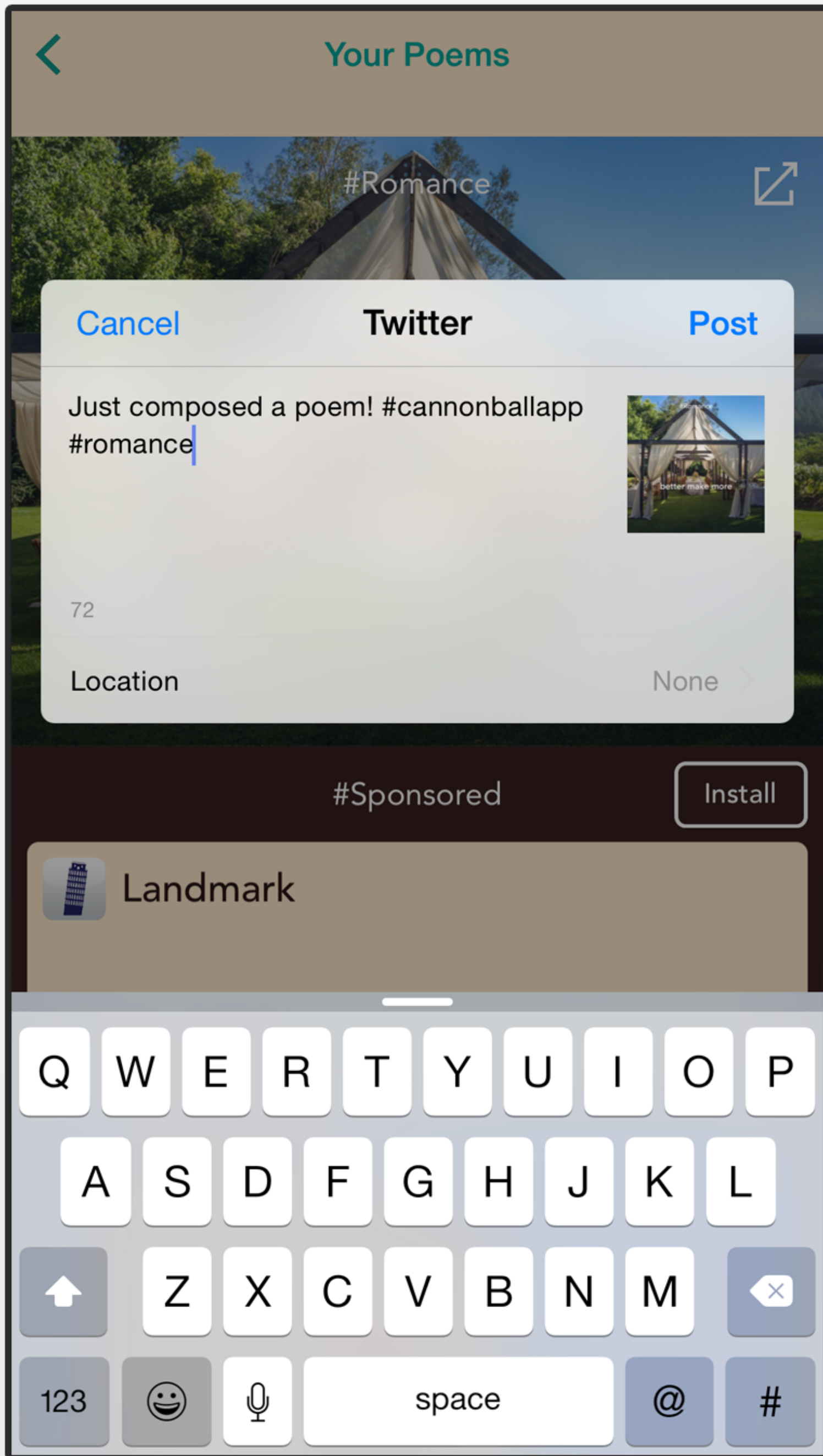
# Twitter Kit



faboric

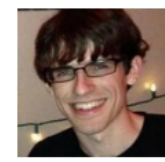


Sign in with Twitter





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Thank You