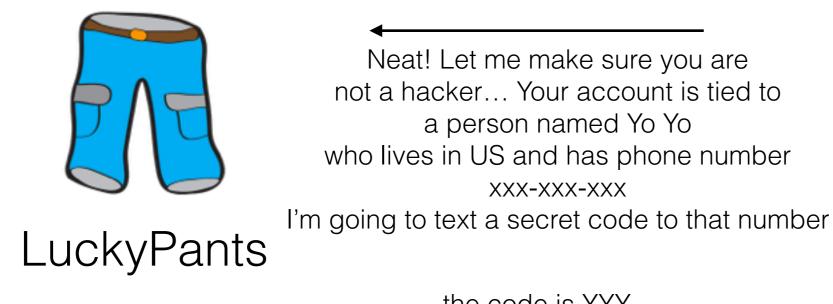
#### OAuth 2.0

- Widely adopted by Web Service providers
- Allows Applications to act on User's behalf by gaining a token that serves as ID pass to perform limited tasks
- OAuth01 spec: <a href="http://tools.ietf.org/html/rfc5849">http://tools.ietf.org/html/rfc5849</a>
- OAuth02 spec: <a href="http://tools.ietf.org/html/rfc6749">http://tools.ietf.org/html/rfc6749</a>

- The Consumer application requests OAuth authorization to Target Application, ex. LuckyPants requests authorization to Twitter, because Lucky Pants wants to allow users to tie their LuckyPants accounts to Twitter accounts such that when a LuckyPants user creates or rates a book, their twitter posts a message about that
- Target application verifies the Consumer application is who it claims to be, ex. Twitter makes sure the account that created the application is tied to a phone number in US and sends a text message to that number with a secret password and requests the user comes back and enters the secret message
- Once the verification process is complete, the Target application provides the Consumer application with consumer key and consumer secret (think of it as user ID and password for LuckyPants)

I want to use your web services and get your users personal data



Neat! Let me make sure you are not a hacker... Your account is tied to a person named Yo Yo who lives in US and has phone number XXX-XXX-XXX



**Twitter** 

the code is YYY

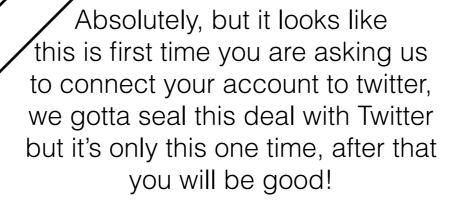
Alright, here is Consumer Key and Secret, make sure you don't share them, because that's how I will know who you are.

These are just like user name and password for your email account but they are tied to your application and since you may have many applications, we create a new pair of these for each app - go on, do your thing!



User

Could you please tweet all my book reviews for me?





LuckyPants

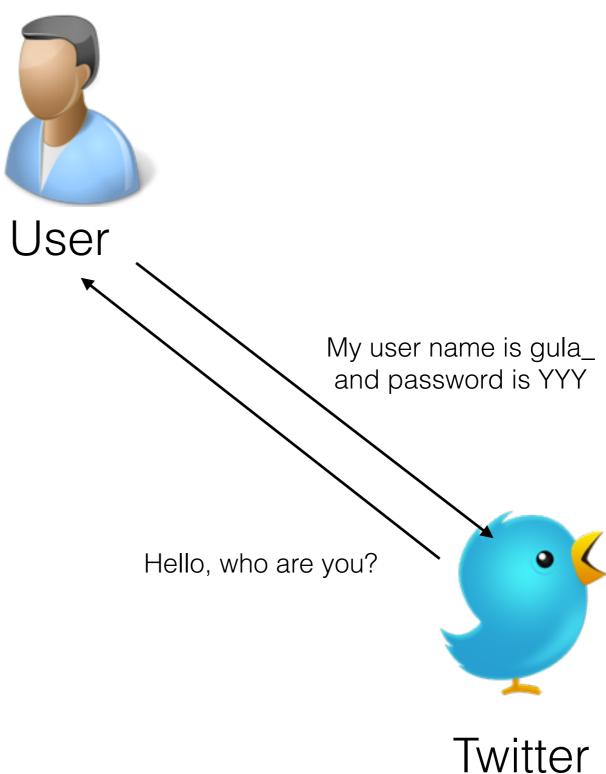




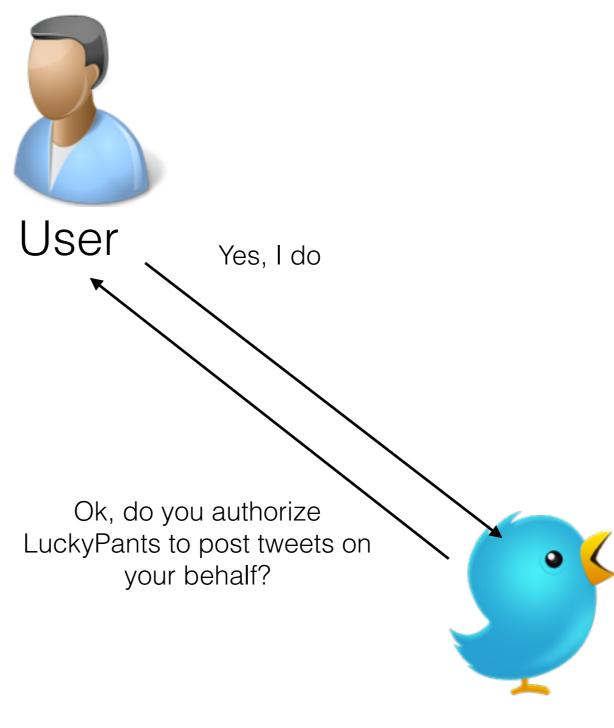
I am LuckyPants App, you know me by the ConsumerKey=xxx and ConsumerSecret=xxxxx there is a user that wants to connect their LuckyPants account to their Twitter account please take care of that and when done, please send the user to <redirect URL> LuckyPants



**Twitter** 

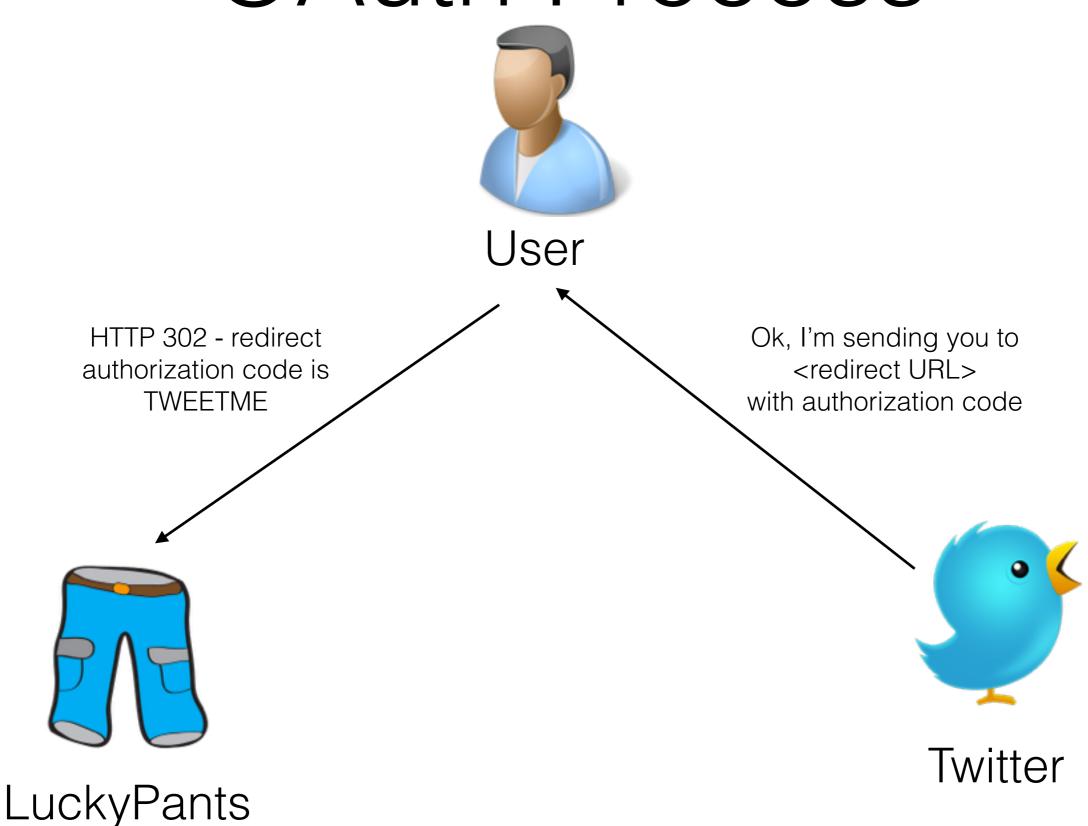




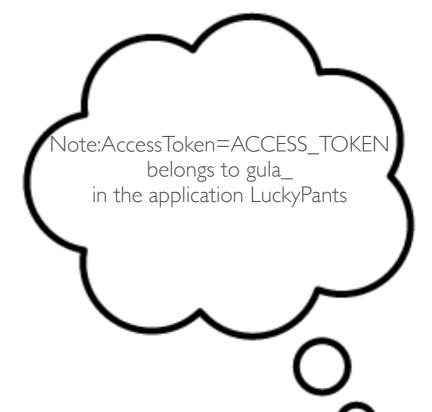




**Twitter** 







I'm LuckyPants App, My ConsumerKey is xxx and my secret is xxx

Authorization code

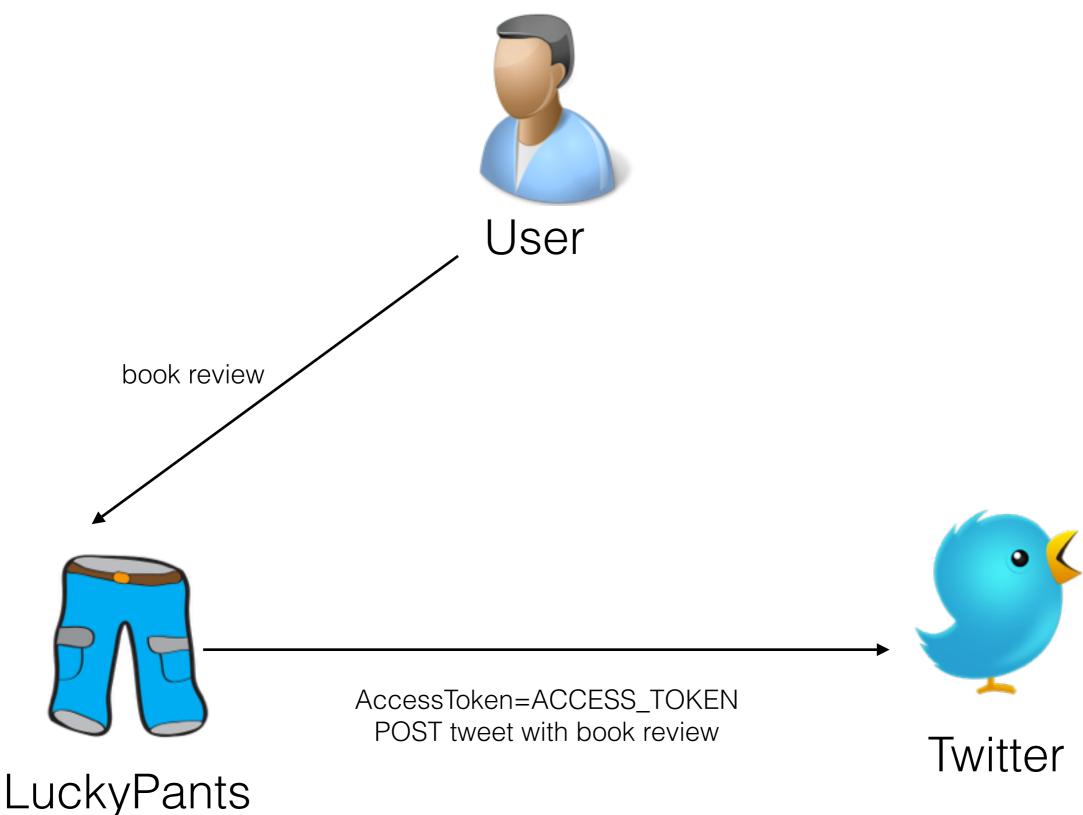
TWEETME, give me the token please



TWEETME cannot be used by anyone anymore as Authorization Code. Have fun!

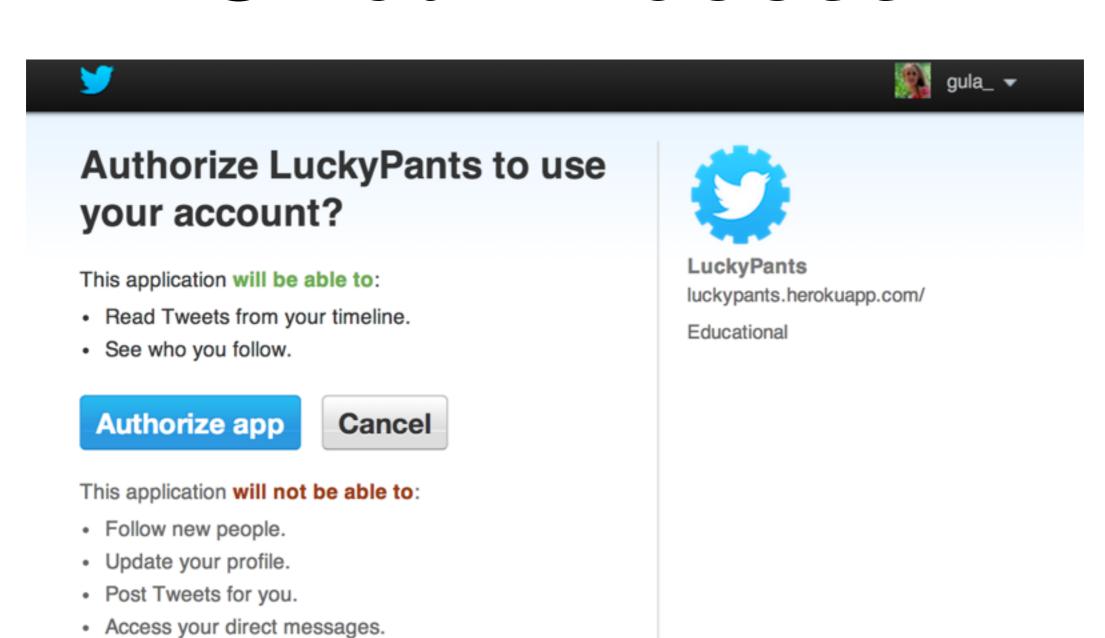


**Twitter** 



#### More OAuth resources

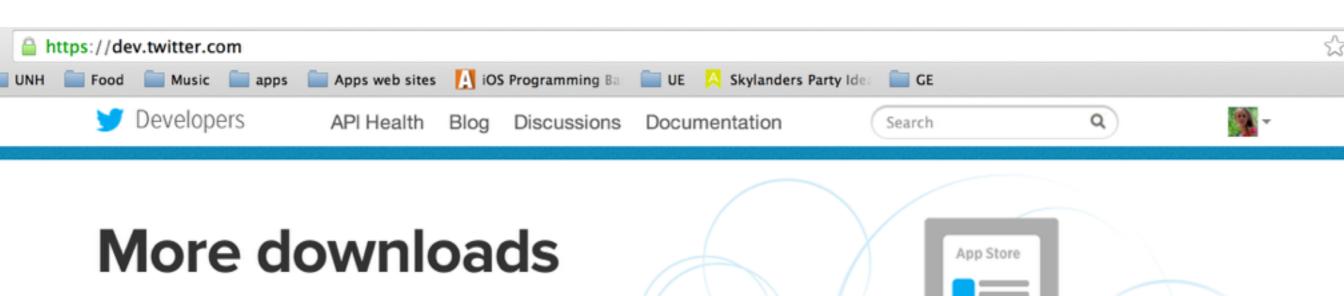
- https://developers.google.com/oauthplayground/
- https://apigee.com/resources/facebook



Van ann van de anno anni anni anni anni anni dina di anni dina franz dha Annii adiana dah af manu Cattinaa ann

· See your Twitter password.

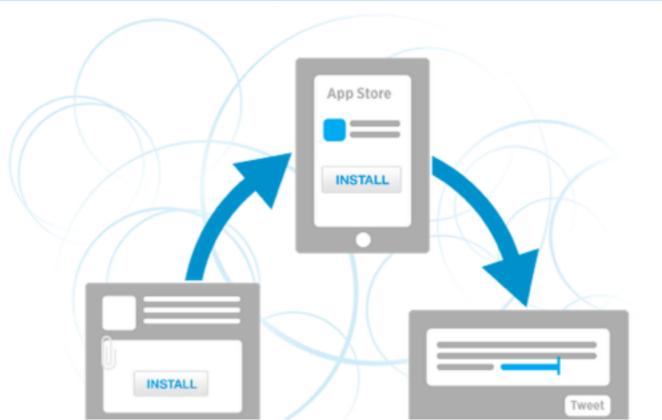
#### Twitter



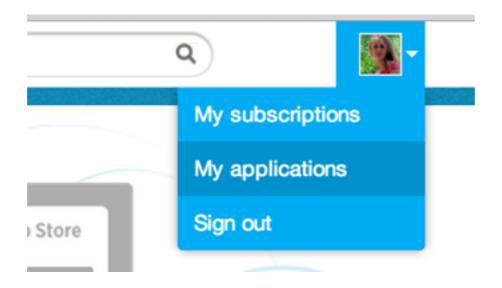
#### with Twitter Cards

for your app

Twitter Cards offer a fast and easy way to grow your user base for mobile apps. Simply add some new markup to your pages: when users tweet links to your domain, Cards will let other users viewing those Tweets to download and launch your app across a number of mobile platforms.



# Twitter



#### **Twitter Apps**

You don't currently have any Twitter Apps.

Create New App

# Twitter

Name *	
LuckyPants	
-	te the source of a tweet and in user-facing authorization screens. 32 characters max.
Description *	
Educational	
	own in user-facing authorization screens. Between 10 and 200 characters max.
	own in user-facing authorization screens. Between 10 and 200 characters max.
Your application description, which will be sho	own in user-facing authorization screens. Between 10 and 200 characters max.
Your application description, which will be sho	own in user-facing authorization screens. Between 10 and 200 characters max.
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/	
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home pa	age, where users can go to download, make use of, or find out more information about your application. This fully-
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home page of the public of the source attribution	age, where users can go to download, make use of, or find out more information about your application. This fully- of for tweets created by your application and will be shown in user-facing authorization screens.
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home pagualified URL is used in the source attribution	age, where users can go to download, make use of, or find out more information about your application. This fully- of for tweets created by your application and will be shown in user-facing authorization screens.
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home page and a second of the source attribution (If you don't have a URL yet, just put a placehold)	age, where users can go to download, make use of, or find out more information about your application. This fully- of for tweets created by your application and will be shown in user-facing authorization screens.
Your application description, which will be sho  Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home pa	age, where users can go to download, make use of, or find out more information about your application. This fully- of for tweets created by your application and will be shown in user-facing authorization screens.
Website *  http://luckypants.herokuapp.com/  Your application's publicly accessible home paragraphication and the source attribution (If you don't have a URL yet, just put a placeholication under the control of the c	age, where users can go to download, make use of, or find out more information about your application. This fully- of for tweets created by your application and will be shown in user-facing authorization screens.

Create your Twitter application

✓ Yes, I agree

#### Twitter OAuth credentials

- You should now see API key
- Click on "manage API keys"
- Copy the API key and API secret (AKA consumer key, consumer secret)