

MICHAEL BLEIGH PRESENTS

THE PRESENT FUTUREOF DA Jawings

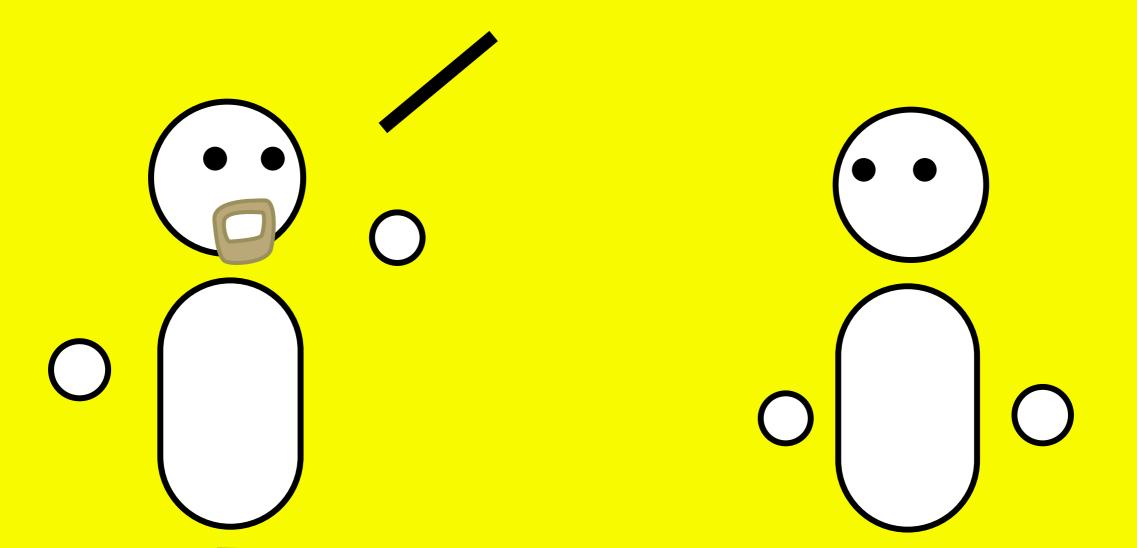
PROLOGUE

MYNAME IS MICHAEL BLEIGH

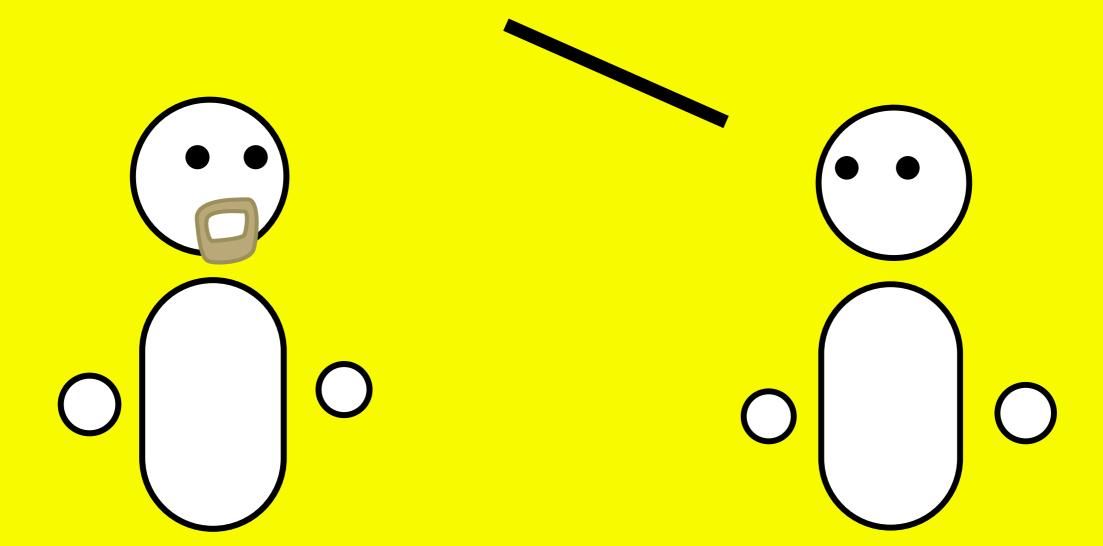
I WORK AT INTRIBUTED I

ON TWITTER @NBLEIGH

"HEY, WOULD ANYONE BE INTERESTED IN GIVING A TALK ABOUT OAUTH AT RAILSCONF?"



"NO WAY, I MIGHT FALL ASLEP WHILE SPEAKING"



"HMM...I'D BETTER ADD SOME DRAWINGS."

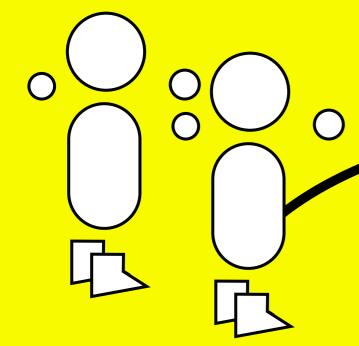
SABOUT OPENWEB STANDARDS

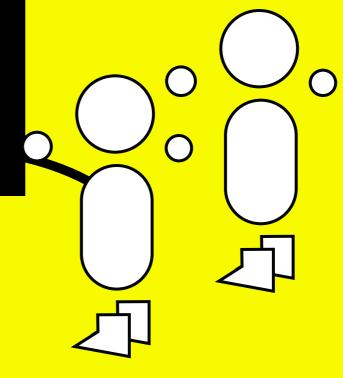
IN WHICH THE PROBLEM IS DESCRIBED

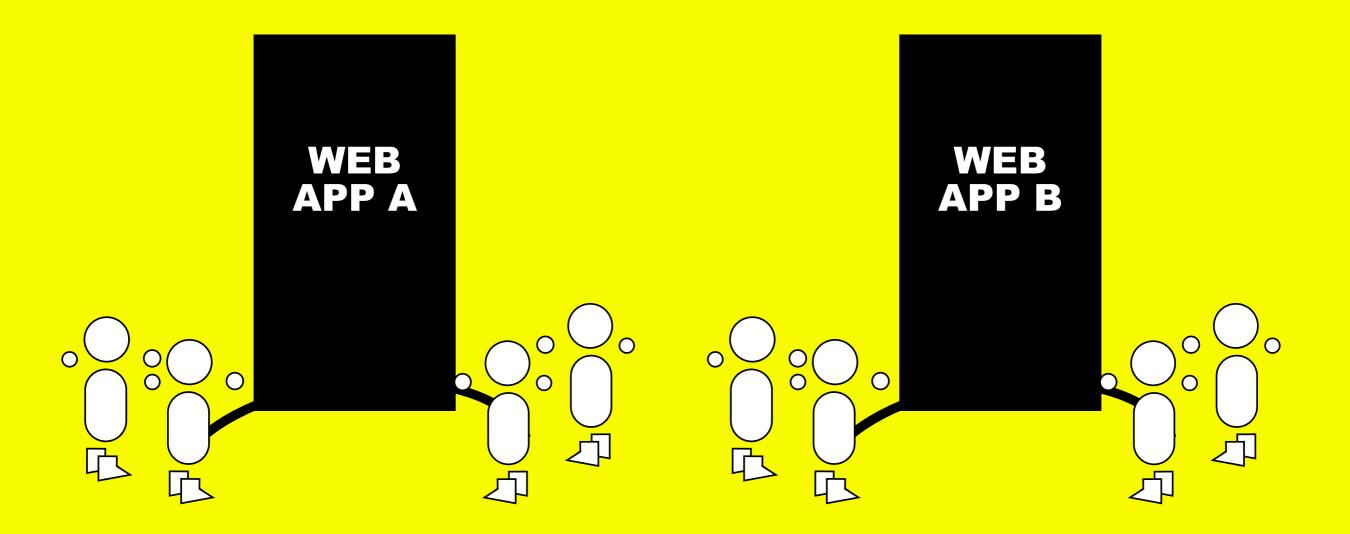
BEGINNING, THEREWERE WEBAPPS

WEB APP

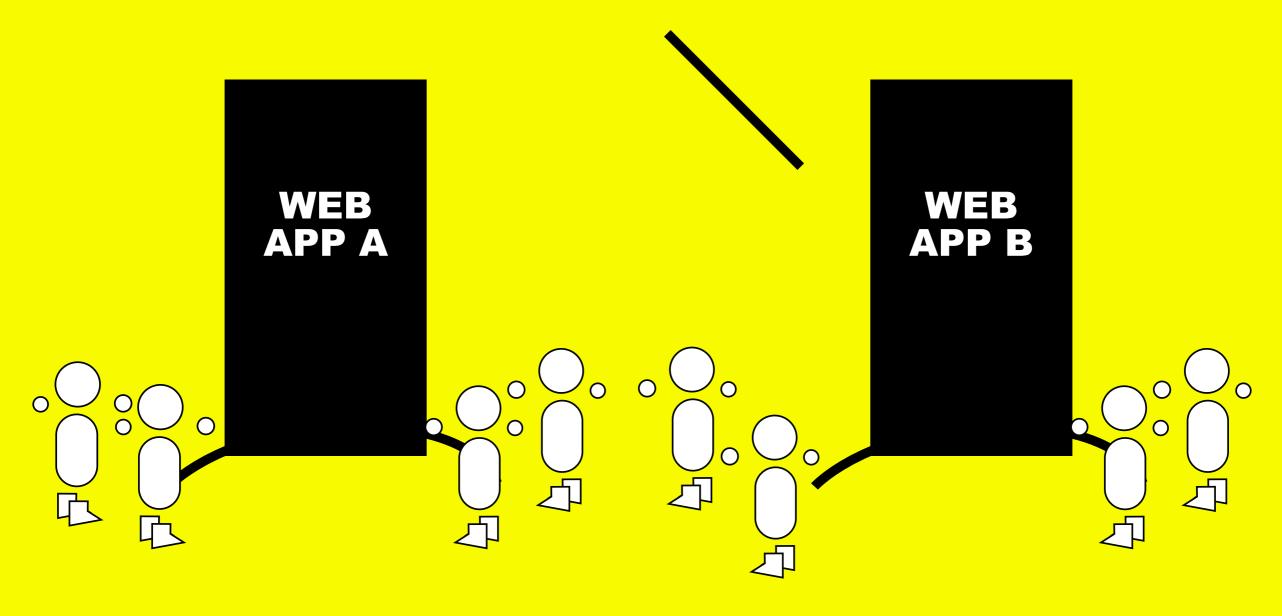
WEB APP

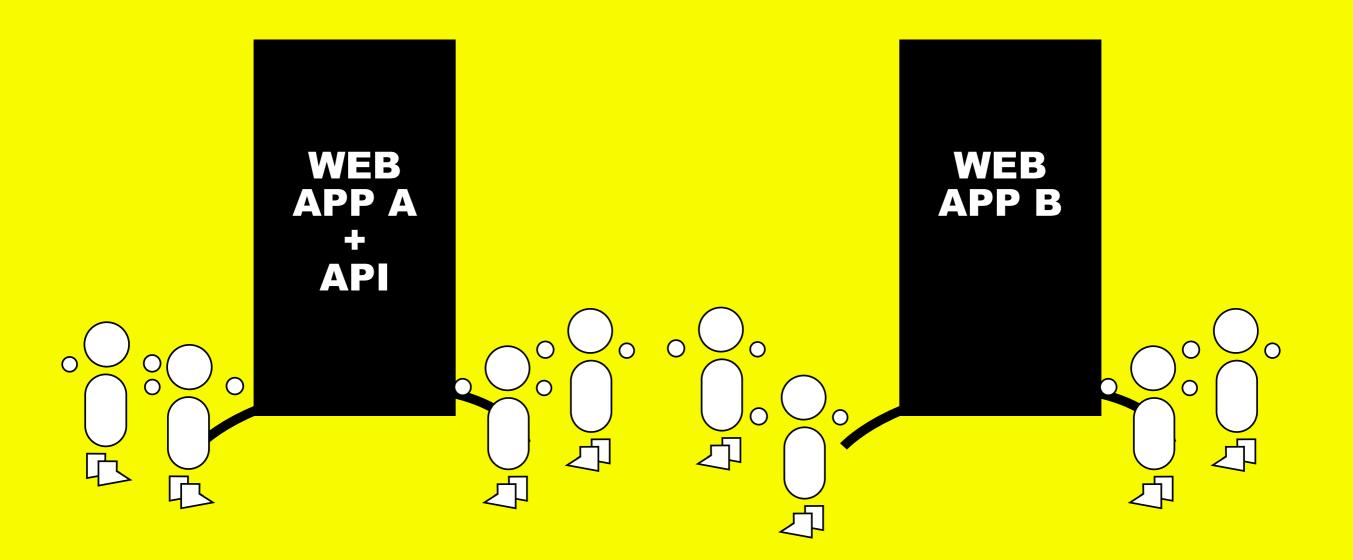






"HEY, MY USERS WANT TO ACCESS YOUR STUFF."

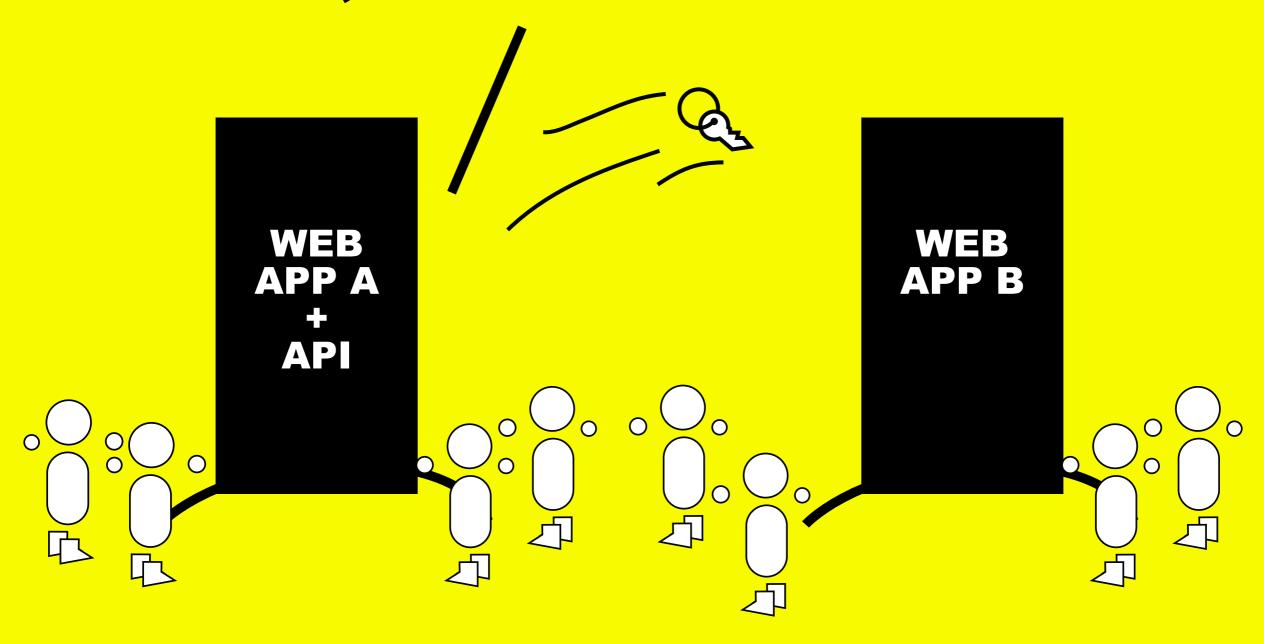


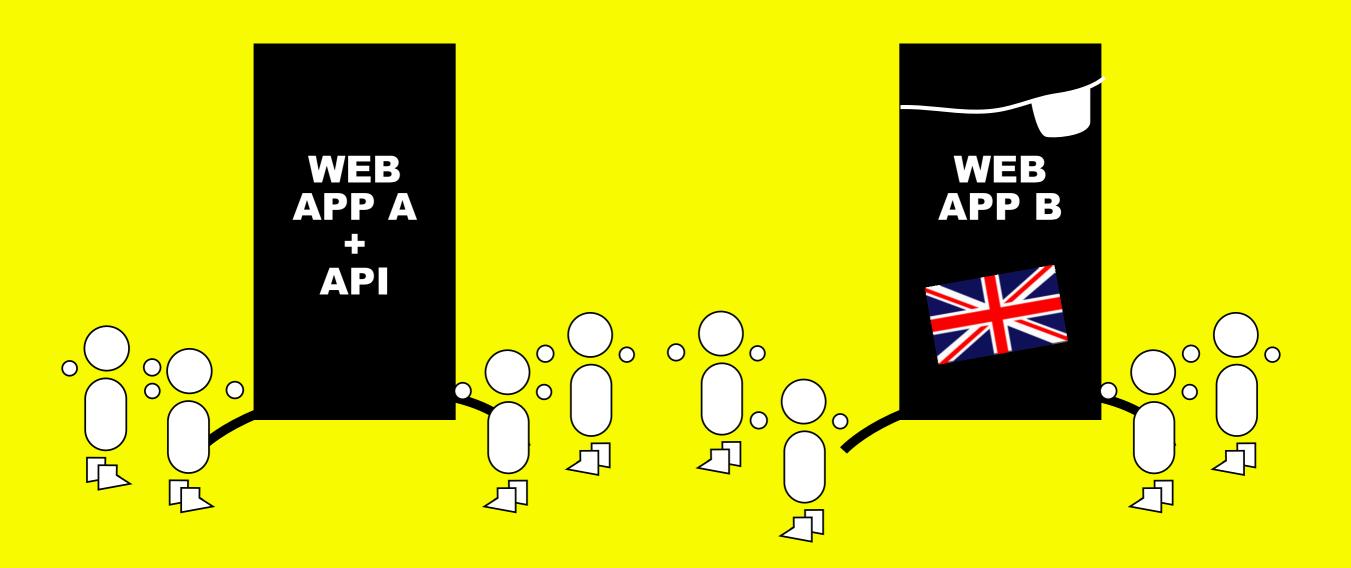


http://user:password@...

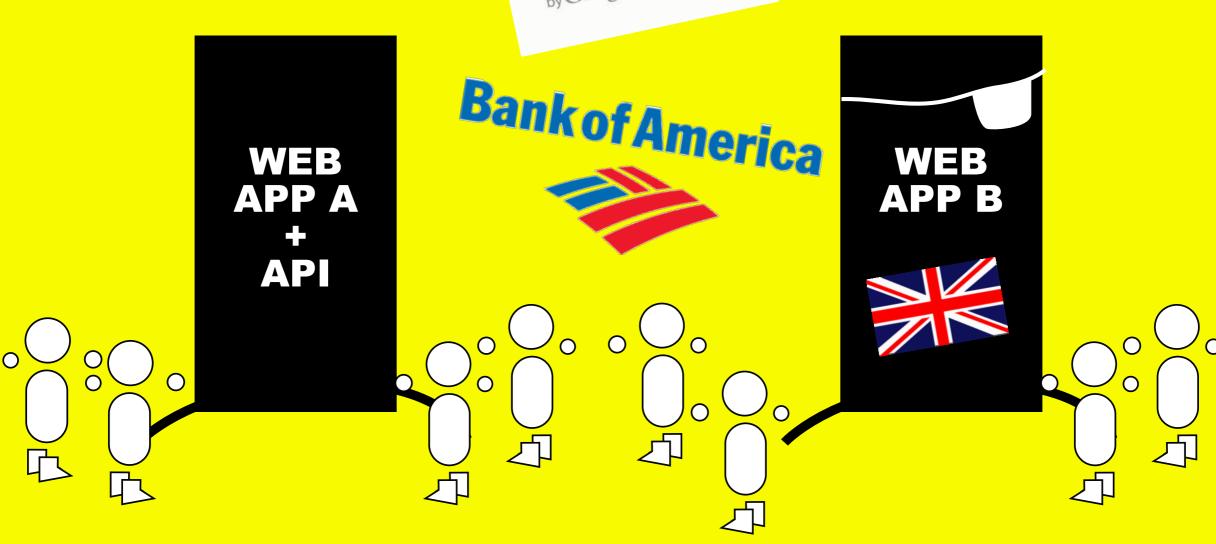
Authorization: Basic dXNIcjpwYXNzd29yZA==

OK, HERE'S THE KEYS.









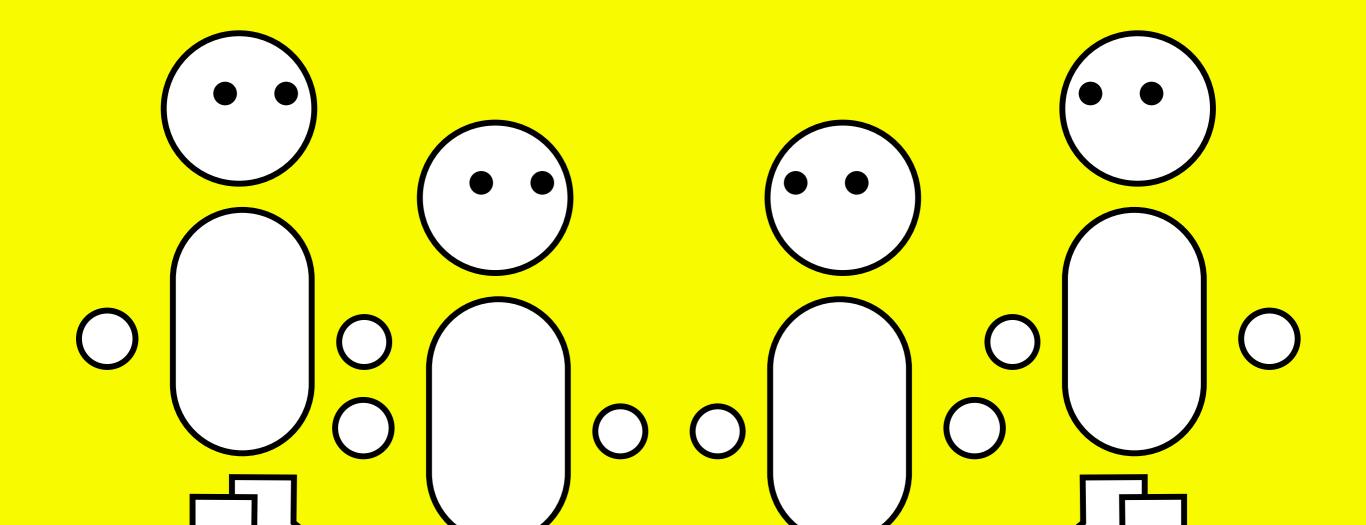
FAILED USER BAR FOR AUTHORIZATION ROBUSTNESS

COUGH

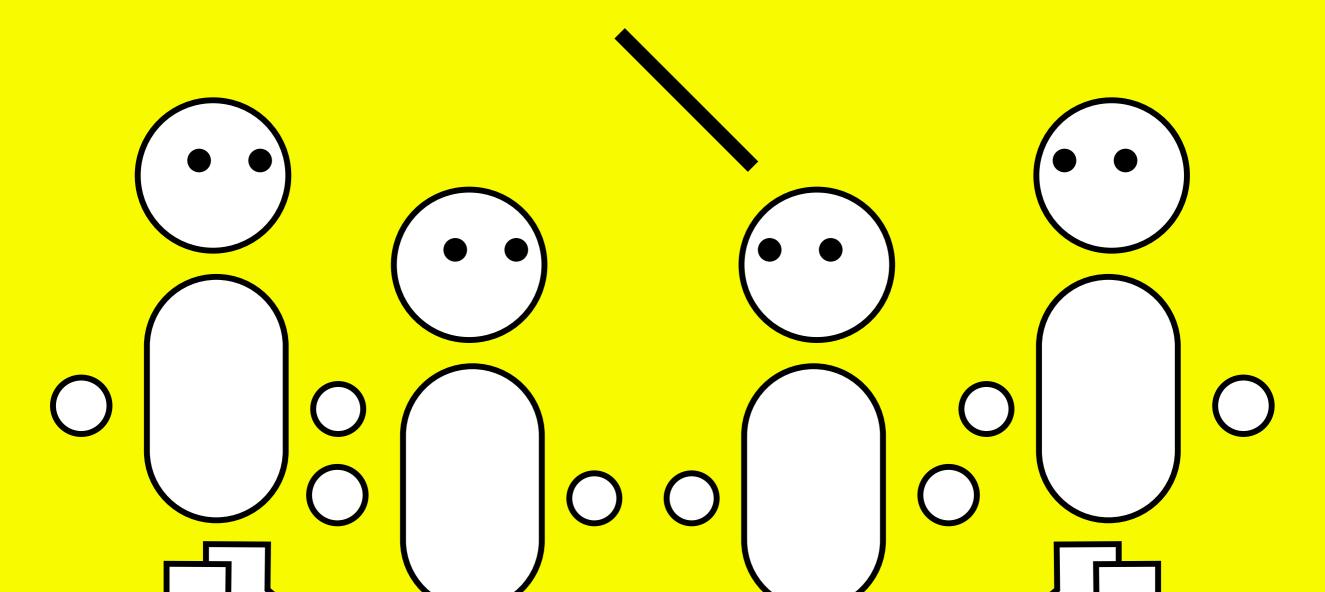
THIS IS A PROBLEM

IN WHICH A NEW WAY IS CREATED

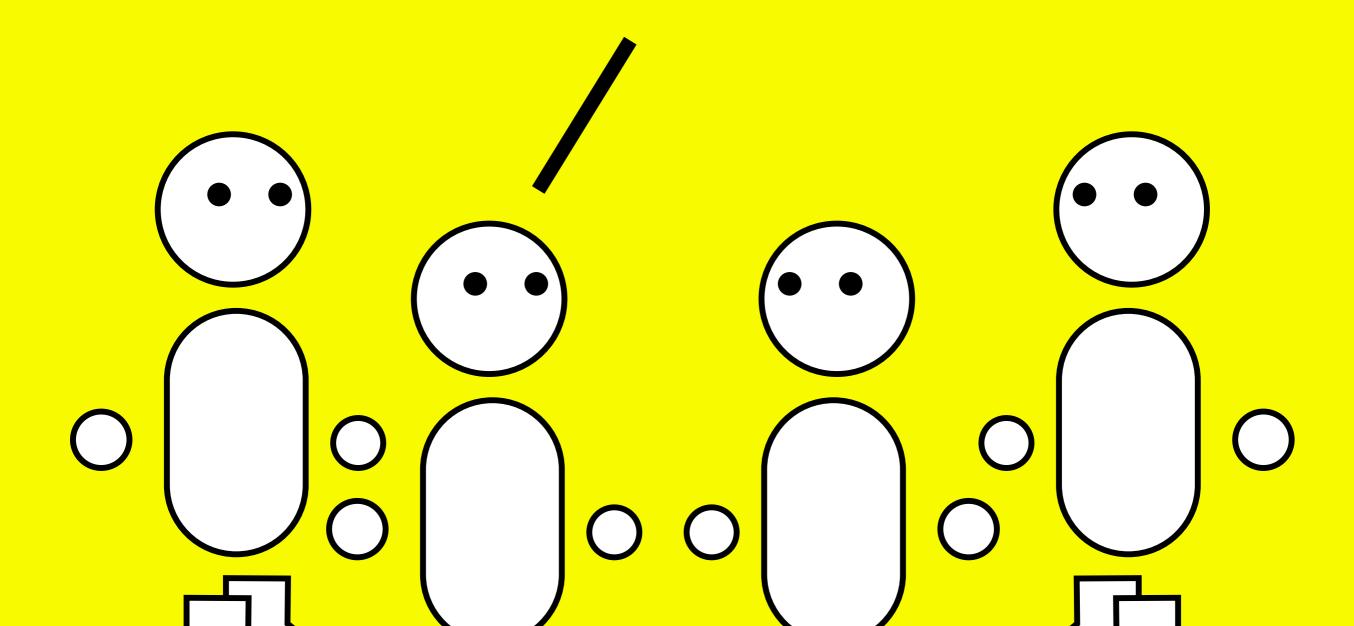
CHRIS MESSINA BLAINE COOK LARRY HALFF DAVID RECORDON



"HEY, WOULDN'T IT BE GREAT TO HAVE AN OPEN AUTHORIZATION STANDARD"

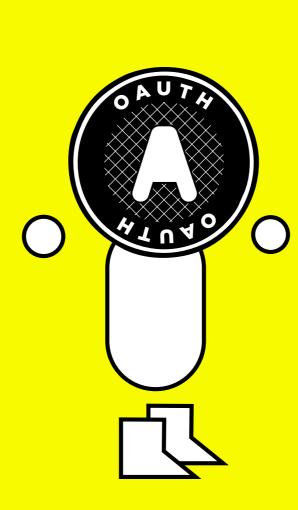


"TOTALLY, LET'S MAKE ONE AND CALLIT OAUTH."

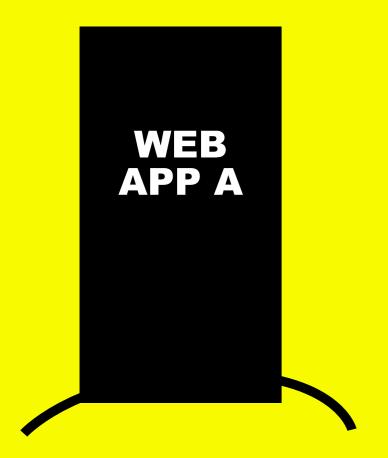


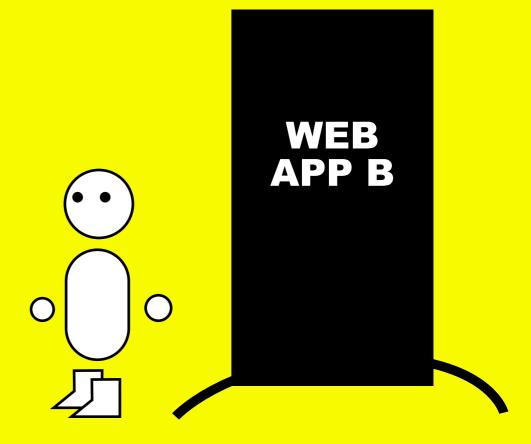
FOCTAGE MISSING

WEB APP A

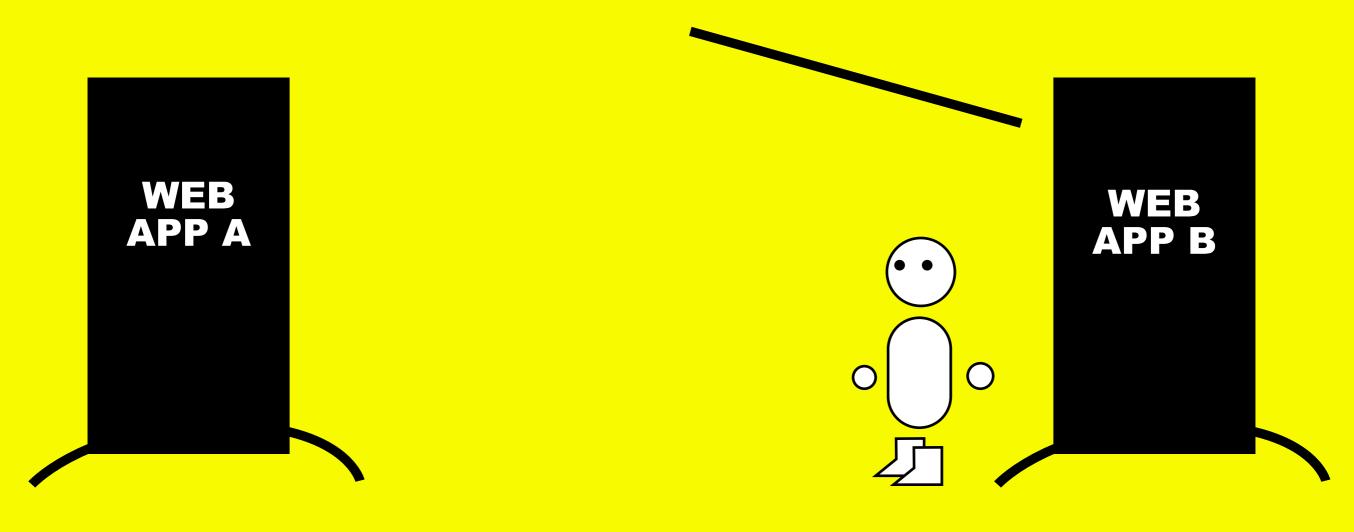


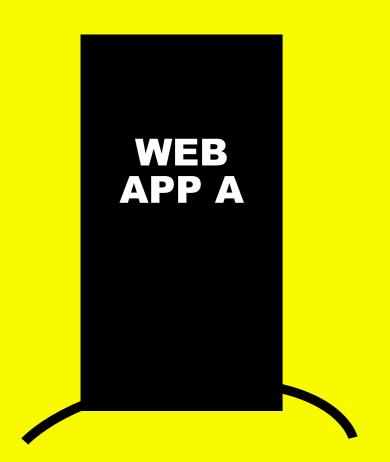
WEB APP B

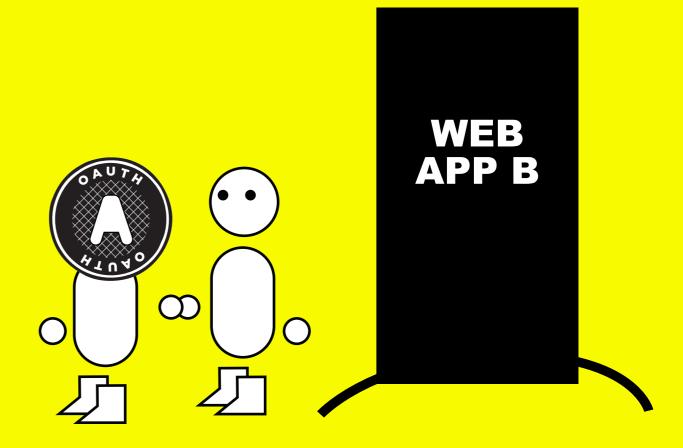


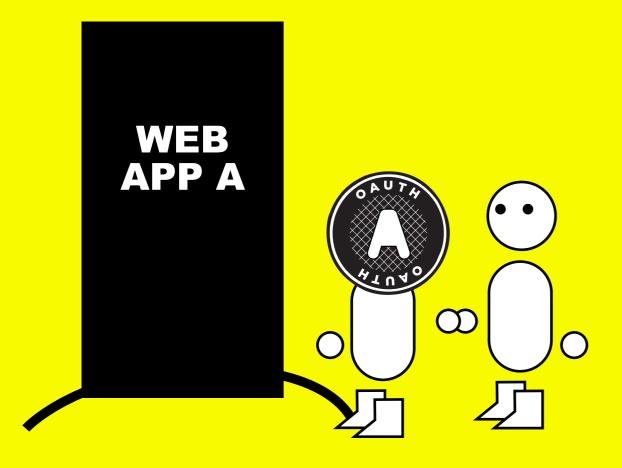


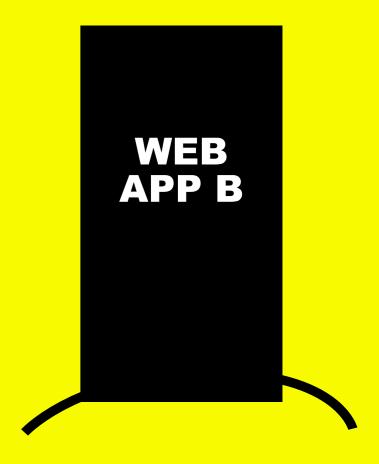
"HEY, MY USER WANTS TO ACCESS YOUR STUFF."



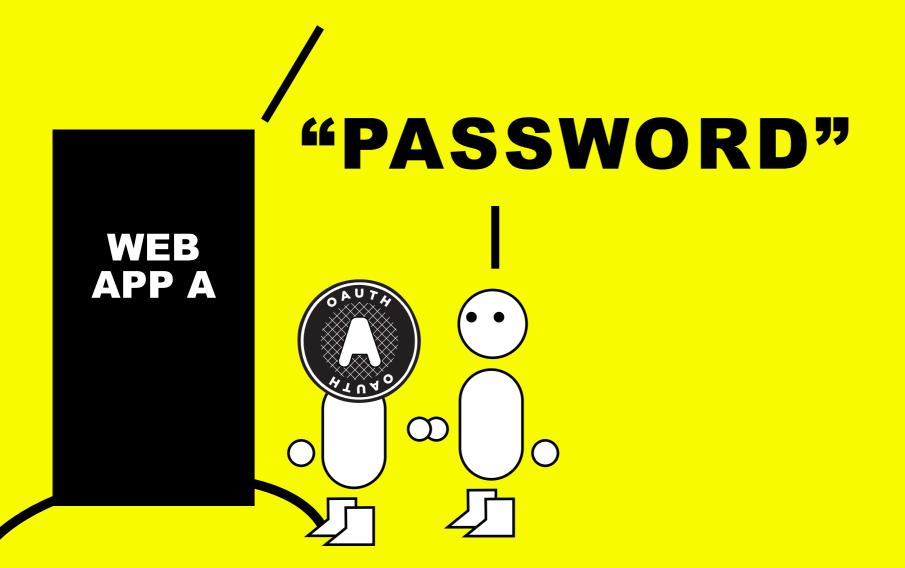


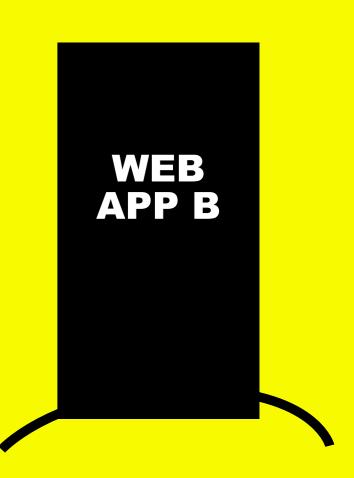


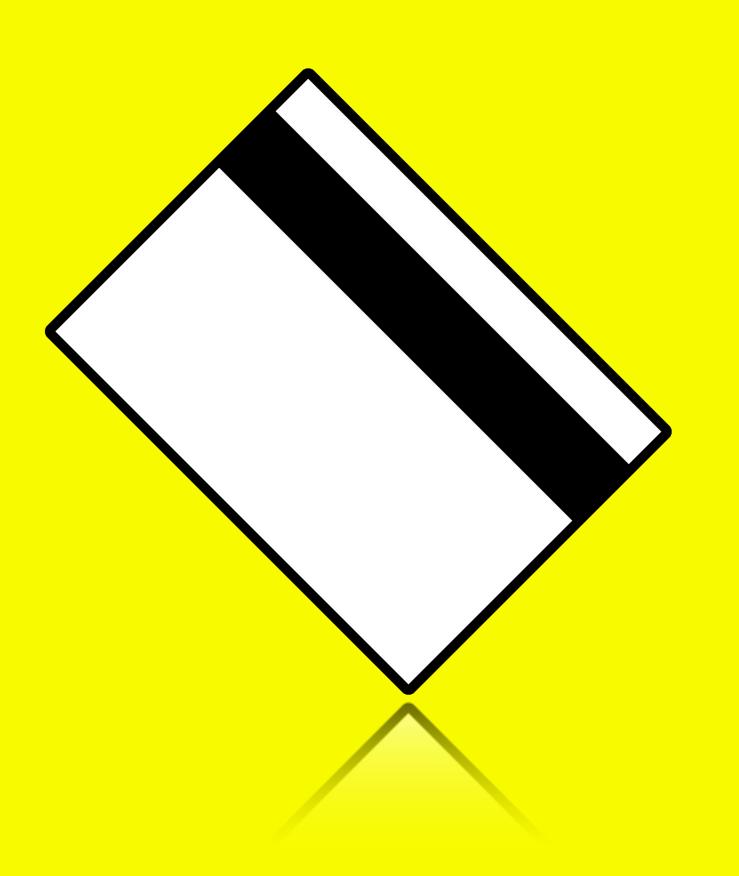


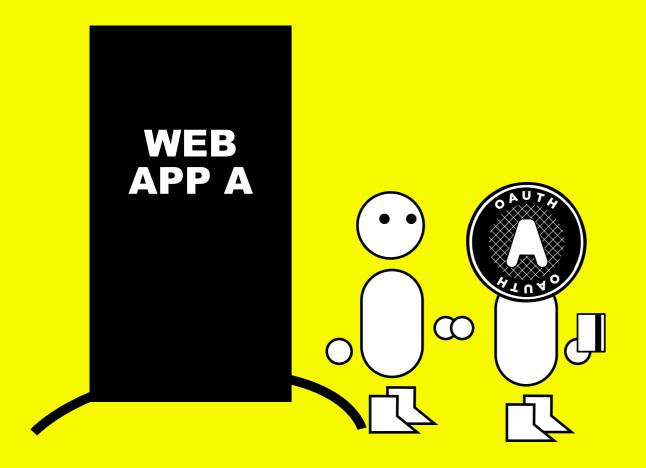


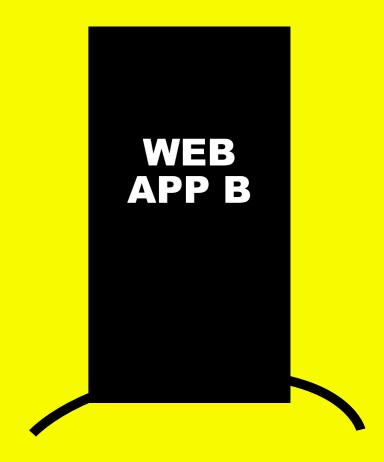
"WHAT'S YOUR PASSWORD?"

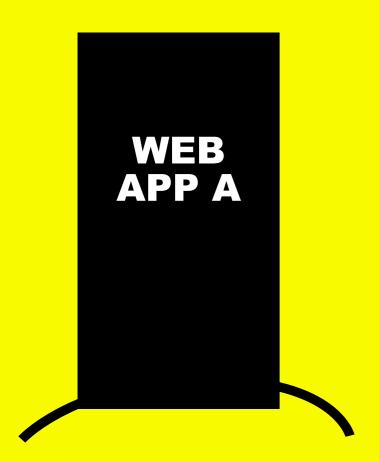


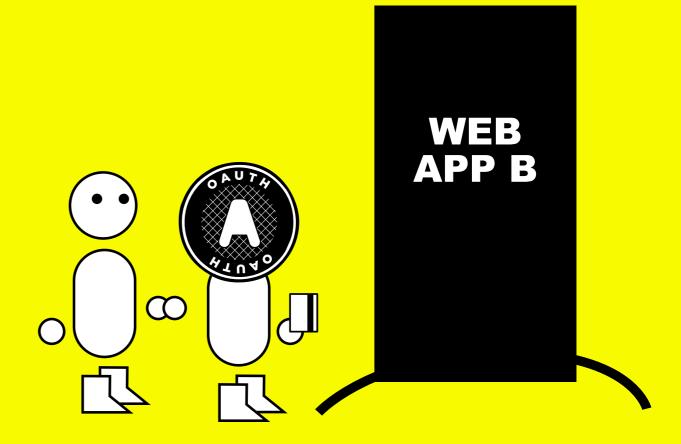






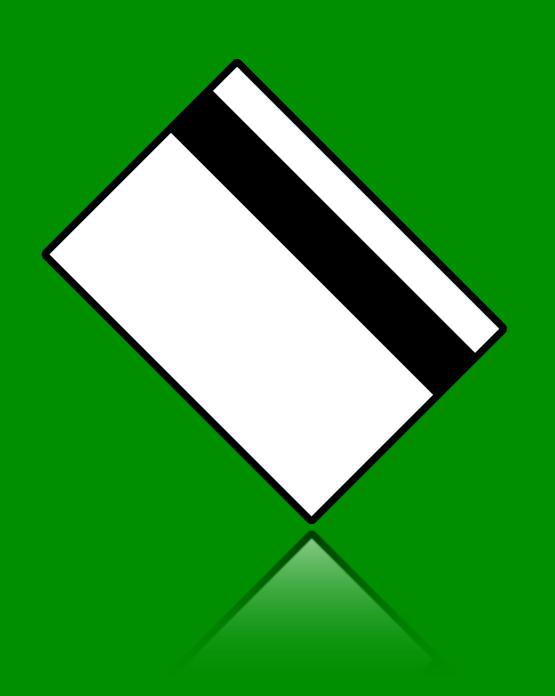






ADMAR TAGES

1. SECURE



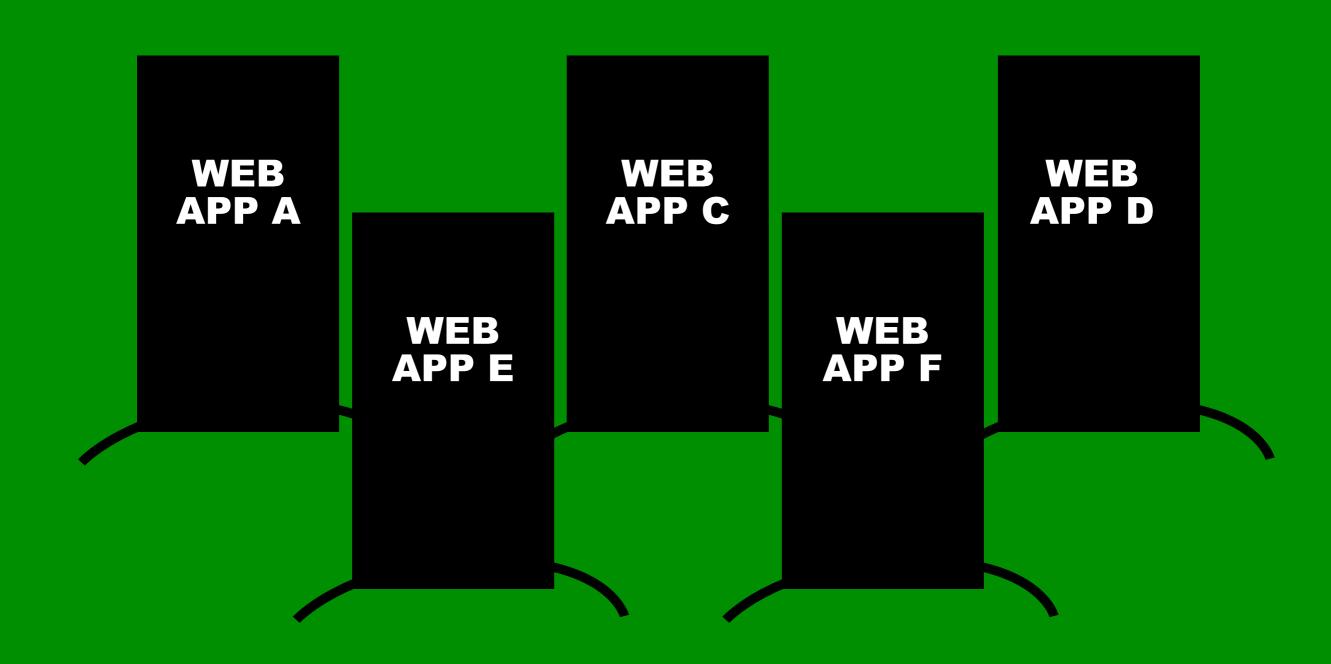
2. RESTRICTABLE



3. REVOCABLE



3. STANDARD



NOT QUITE PERFECT

1. COMPLICATED

"OK, SO IT'S FIST BUMP, DOUBLE-HIGH FIVE..."



2. BROWSER-DEPENDENT

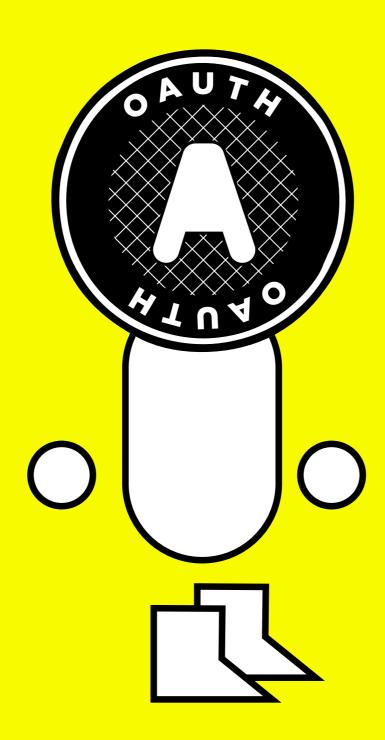


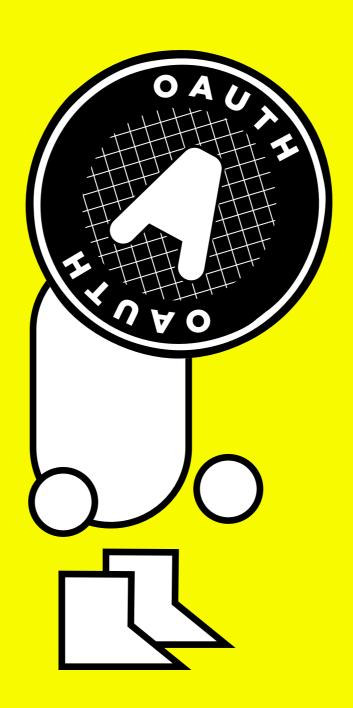
2. BROWSER-DEPENDENT

```
mbleigh@mammoth:~/Talks/oauth — bash — 47×15
    [~] $ cd Talks/
   .DS_Store
  CSS3 Lightning Talk/
  NoSQL Coffe Talk/
                          Persistence Smoothie/
 [~] $ cd Talks/oauth/
                         node_and_rails/
 [oauth] $ 1s
                         oauth/
The Present Future of OAuth.key
```

WE CAN DO BETTER

IN WHICH WE LEARN FROM OUR MISTAKES

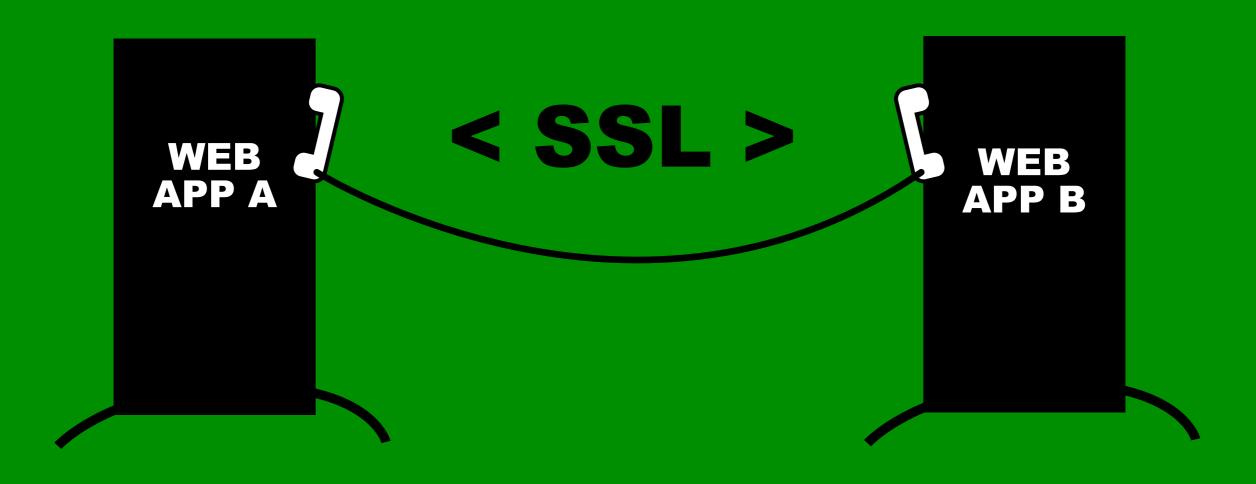






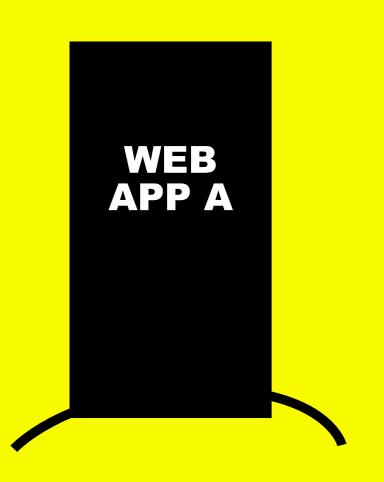
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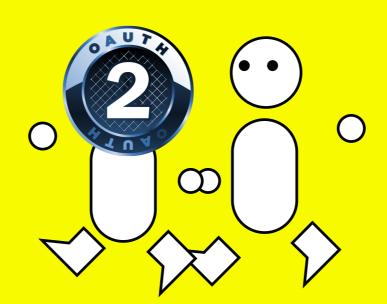
1. SIMPLER



2. FLOWS

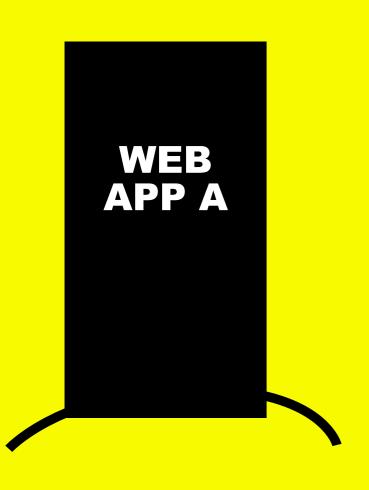
WEB SERVER

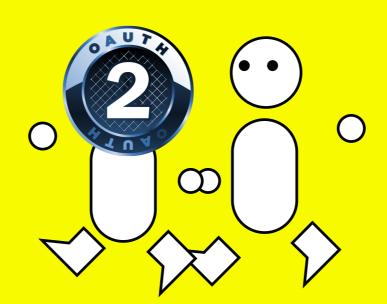






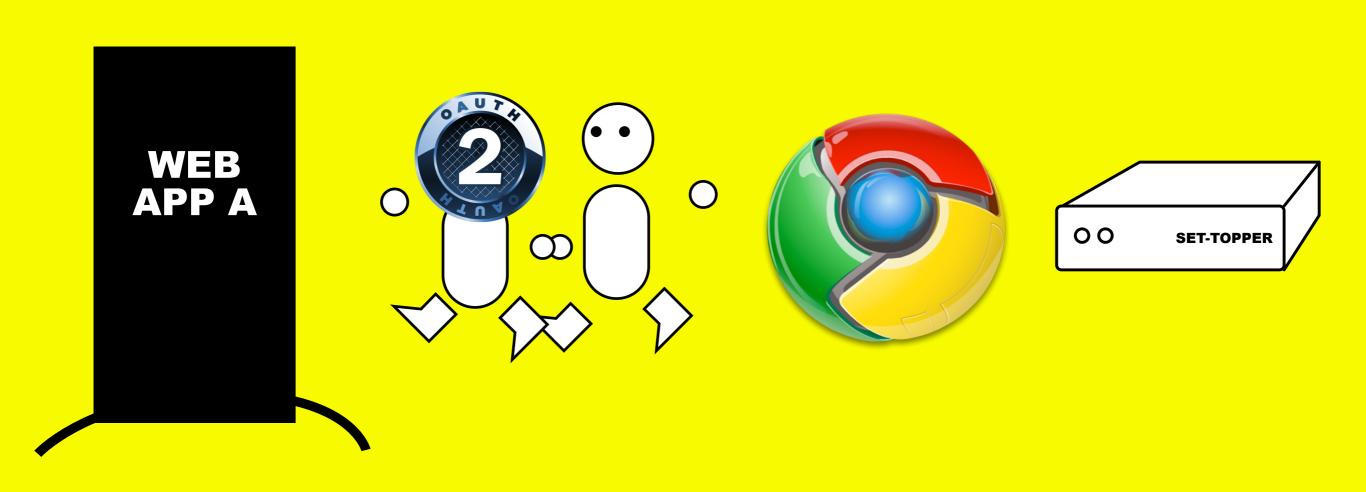
USER-AGENT

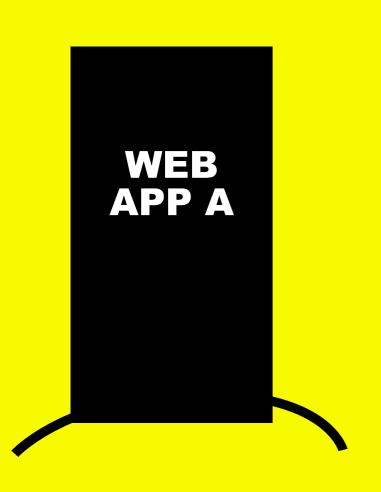




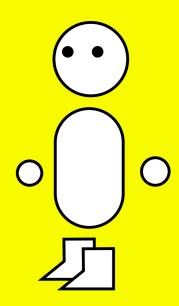


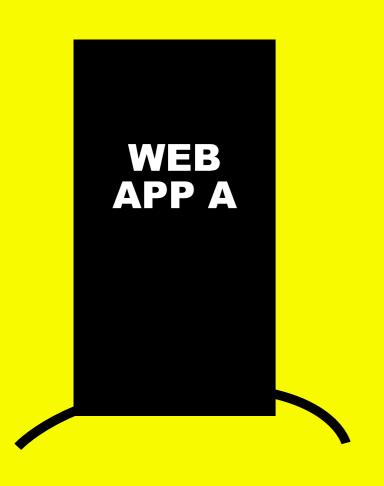
DEVICE





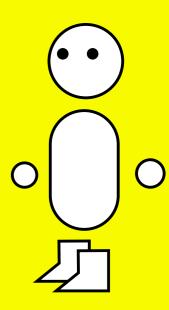
```
[~] $ cd Talks/
.DS_Store Persistence Smoothie/
CSS3 Lightning Talk/ node_and_rails/
NoSQL Coffe Talk/ oauth/
[~] $ cd Talks/oauth/
[oauth] $ ls
The Present Future of OAuth.key
[oauth] $
```



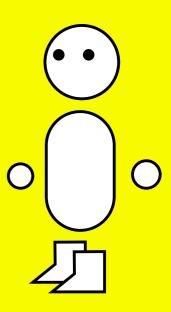


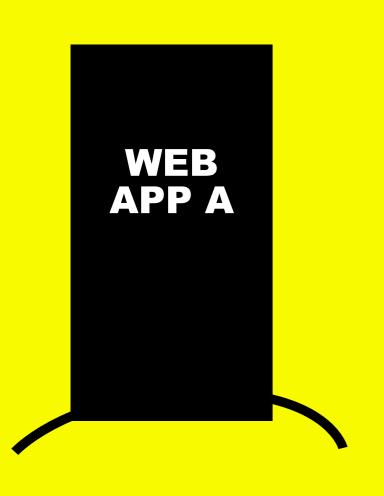


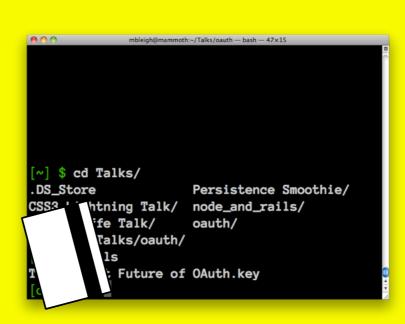


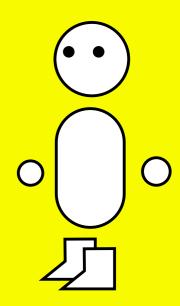












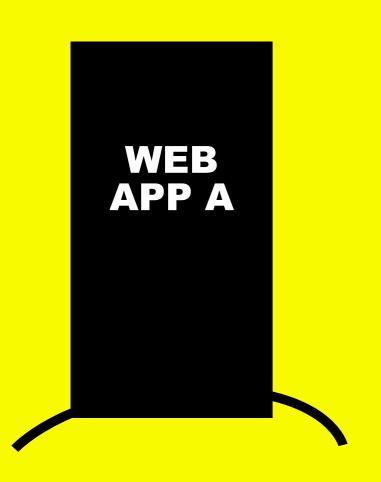
CLIENT CREDENTIALS

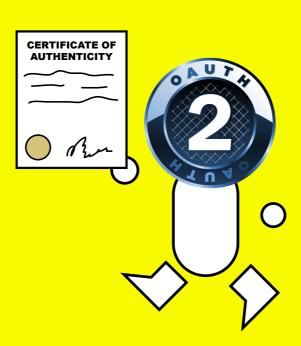






ASSERTION



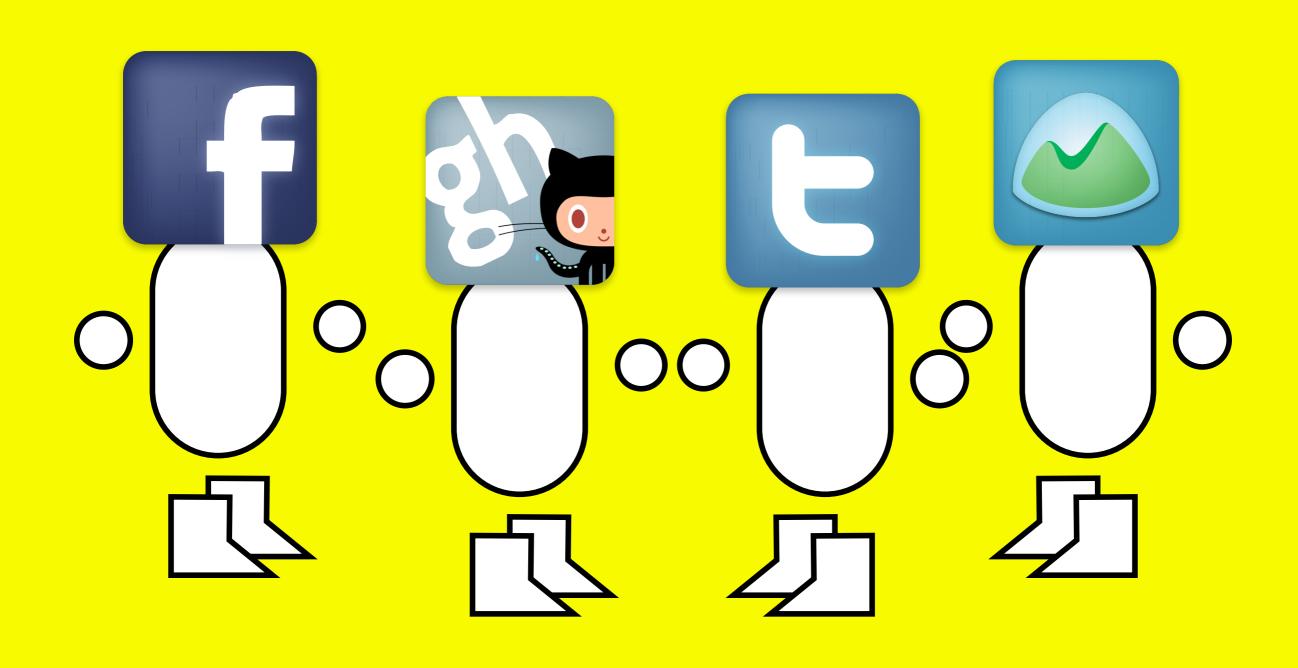




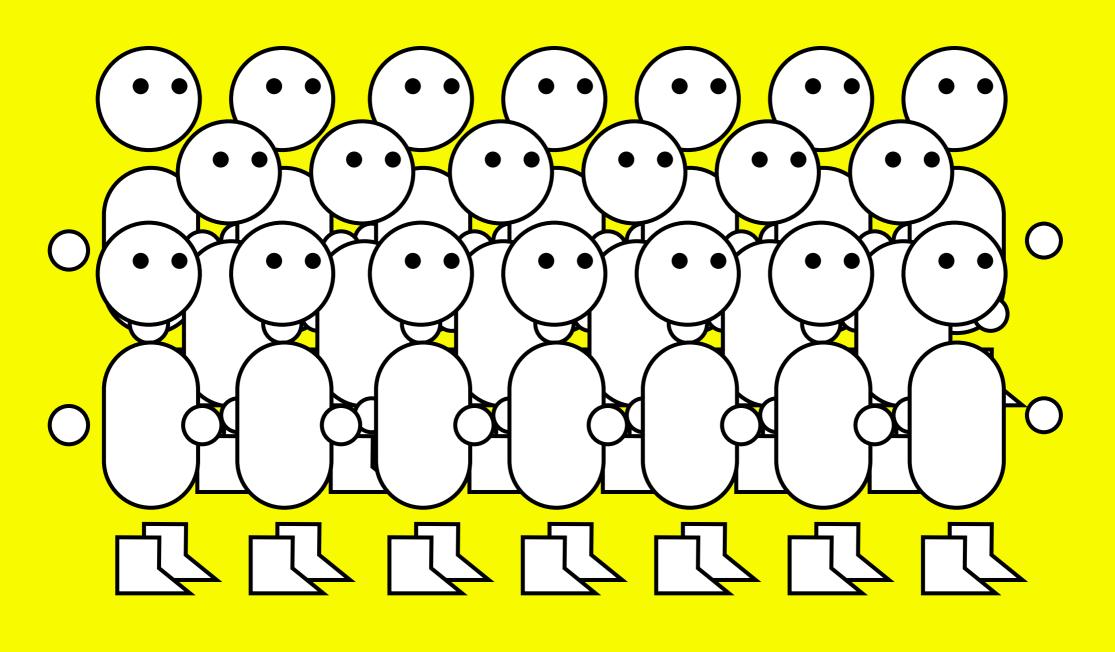


IN WHICH WE GET DOWN TO BUSINESS

WHO'S DOING IT RIGHT NOW?



WHO WILL BE DOING IT SOON?



WHO WILL BE DOING IT SOON?

CONSUMING OAUTH 2.0

```
# in Gemfile
gem 'oauth2'
$ rails g controller oauth
# in routes.rb
resource :oauth, :controller => 'oauth' do
 get :start
 get :callback
end
```



```
class OauthController < ApplicationController</pre>
 def start
    redirect_to client.web_server.authorize_url(
      :redirect_uri => callback_oauth_url(:format => 'json'),
      :scope => 'user'
  end
  def callback
   access_token = client.web_server.get_access_token(
      params[:code], :redirect_uri => callback_oauth_url(:format => 'json')
   # you should store the access token info now.
    render :json => access_token.get('/api/v2/json/user/show')
  end
  protected
  def client
   @client ||= OAuth2::Client.new(
      '296e901b0e6ab74db167', '625fe65c7f74ee4a015d121efb011a45776d510d',
      :site => 'https://github.com',
      :authorize_path => '/login/oauth/authorize',
      :access_token_path => '/login/oauth/access_token'
  end
end
```

PROVIDING OAUTH 2.0

READ THE SPECIAL CONTRACTOR OF THE SECOND SE

http://bit.ly/oauth2-spec

NO SERIOUSLY, READ THE S P E C

http://bit.ly/oauth2-spec