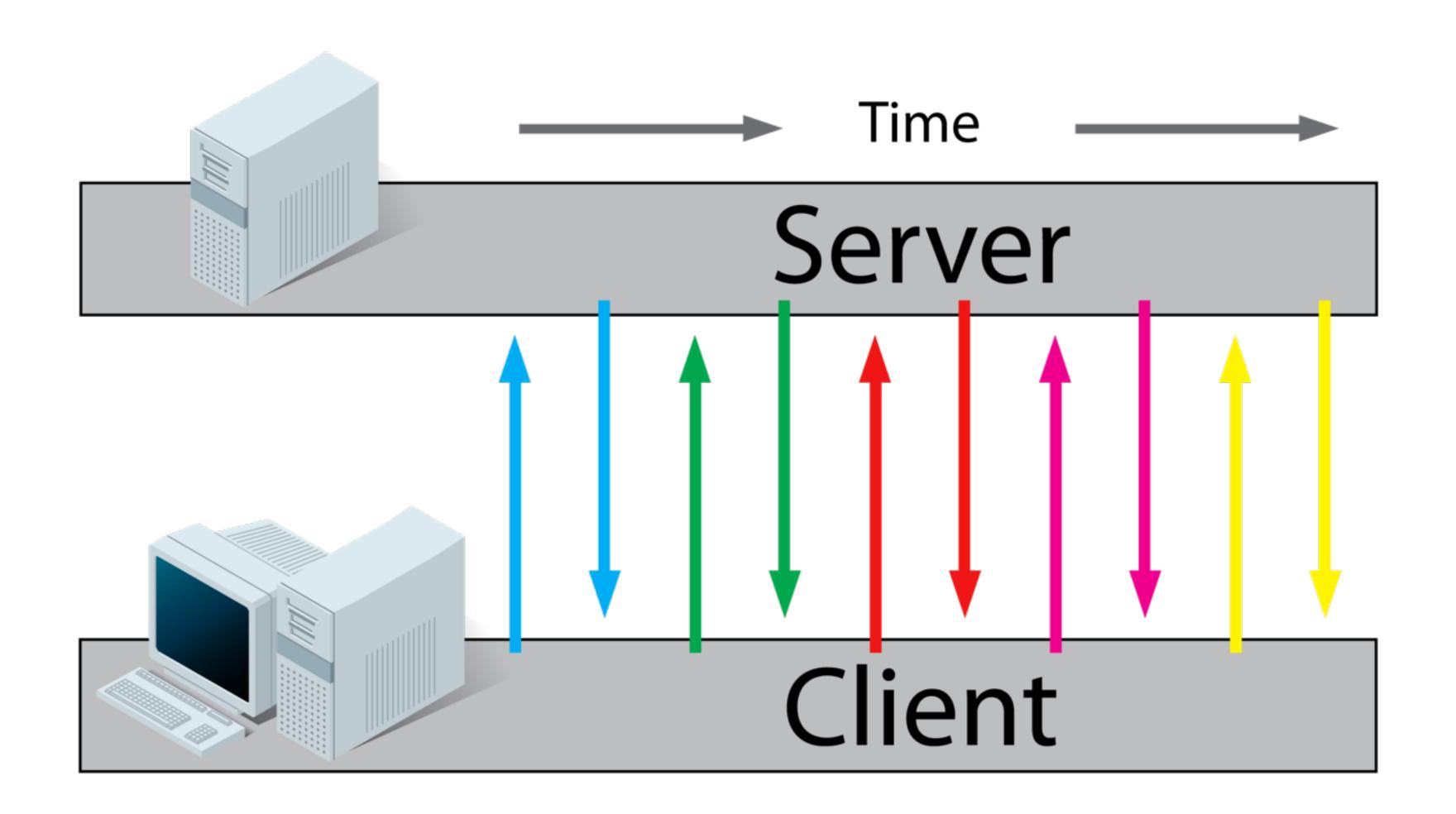
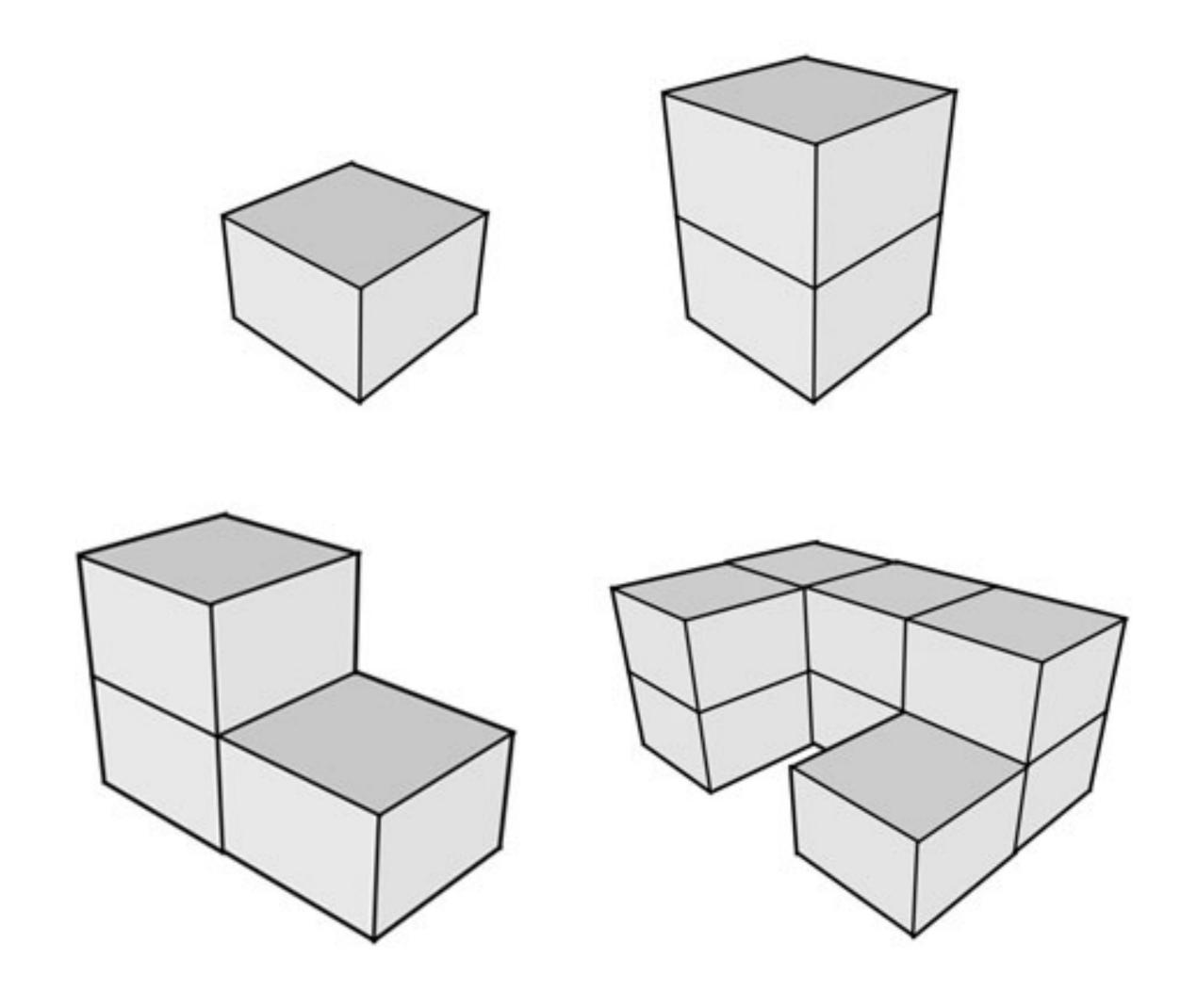
ANGULAR.JS MODULARITY

Emming the M-V-C





THE SHORTLIST

- News Feed
- Likes/Comments
- Event Invitations
- Buddy List
- General Messaging
- Apps and Games
- Personal Profiles
- The Wall

- Trending List
- Photo Viewing
- Photo Management
- Business Pages
- Third-party integration
- Advertisements
- Account Management
- etc., etc., etc., etc.

Home Page

News Feed

Messaging

Trending List

Messaging

Private Messages

Buddy List

Group Chats

Private Messages

Emoticons

Picture Upload

Message Display

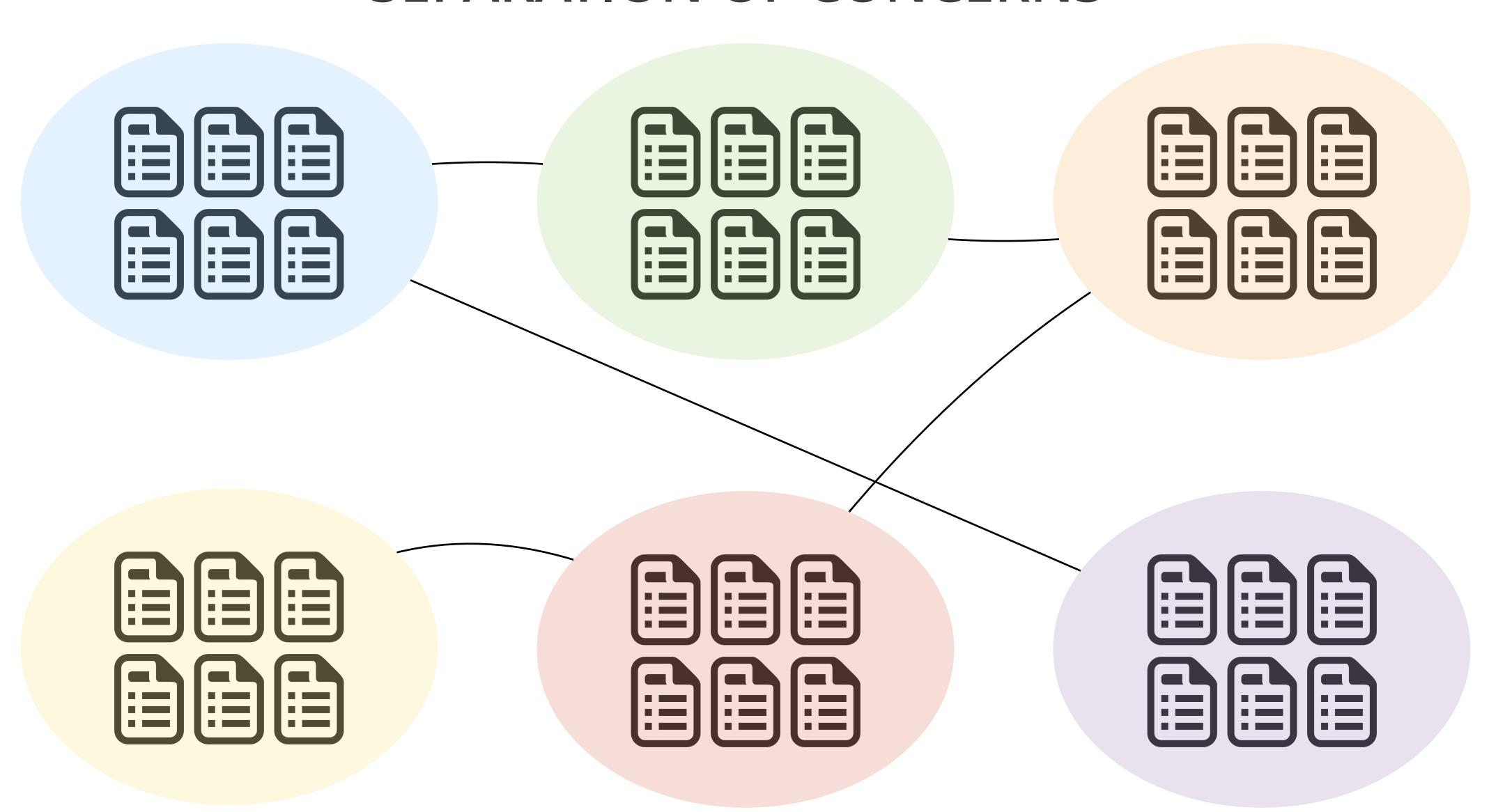






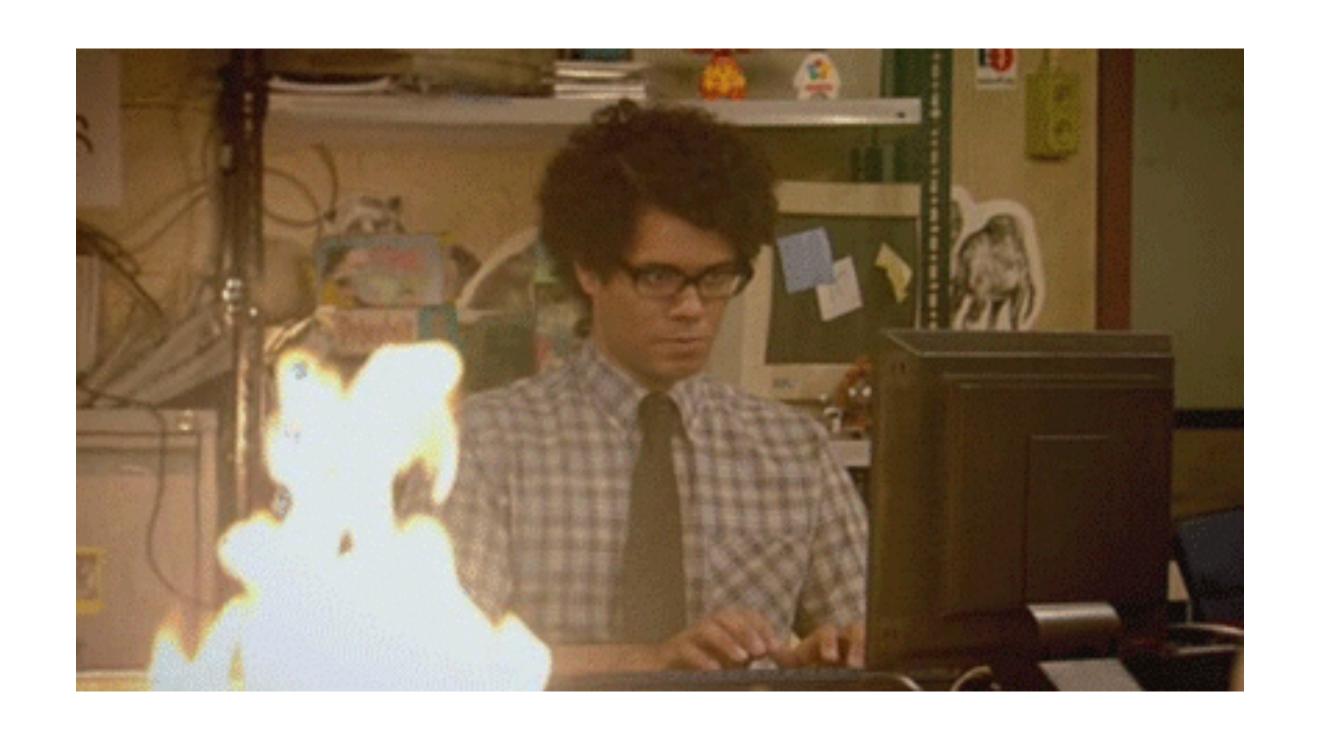


SEPARATION OF CONCERNS



"Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live."

-JOHN WOODS



PROFILE PAGE



SETTINGS PAGE

Security Settings

Login Alerts	Get an alert when anyone logs into your account from a new device or browser.	Edit
Login Approvals	Use your phone as an extra layer of security to keep other people from logging into your account.	Edit
Code Generator	Use your Facebook app to get security codes when you need them.	Edit
App Passwords	Use special passwords to log into your apps instead of using your Facebook password or Login Approvals codes.	Edit
Trusted Contacts	Pick friends you can call to help you get back into your account if you get locked out.	Edit
Your Browsers and Apps	Review which browsers you saved as ones you often use.	Edit
Where Verrise I aread in	Deview and washes where wells as mostly langed into Escaped.	m and

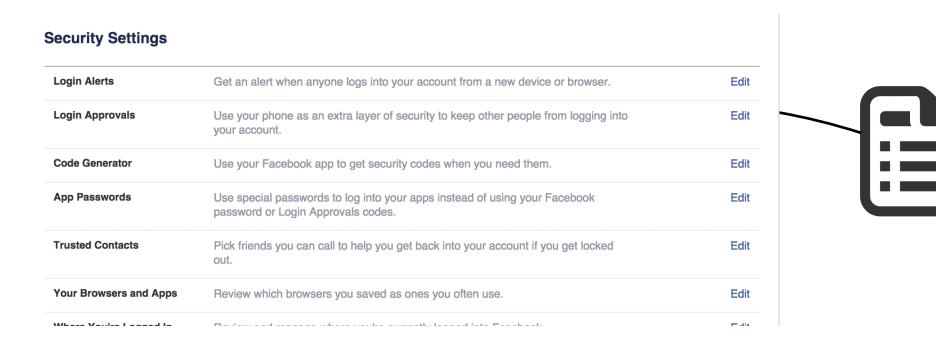
BILLING PAGE

Payments Settings

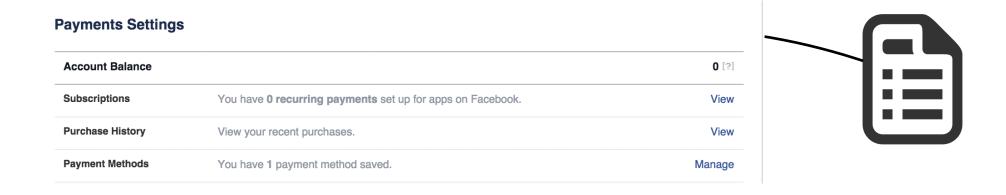
Account Balance		0 [3]
Subscriptions	You have 0 recurring payments set up for apps on Facebook.	View
Purchase History	View your recent purchases.	View
Payment Methods	You have 1 payment method saved.	Manage



PROFILE



SETTINGS

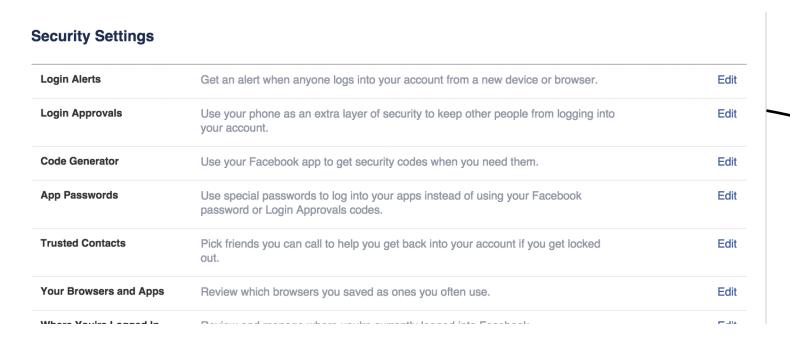






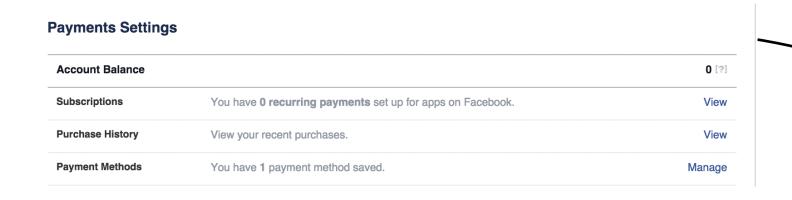
Update user profile photo

PROFILE





SETTINGS



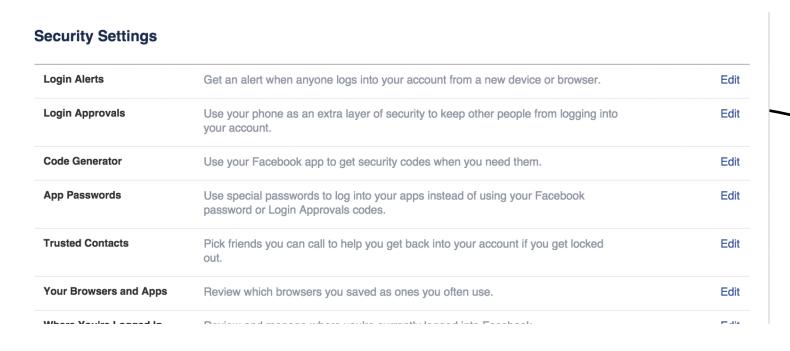






Update user profile photo

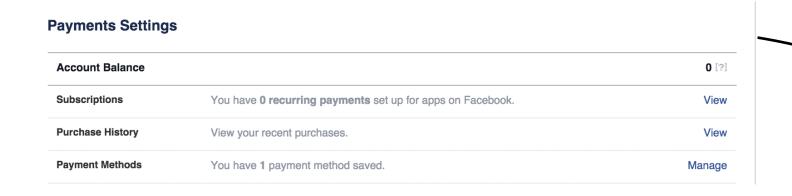
PROFILE





Update user password

SETTINGS



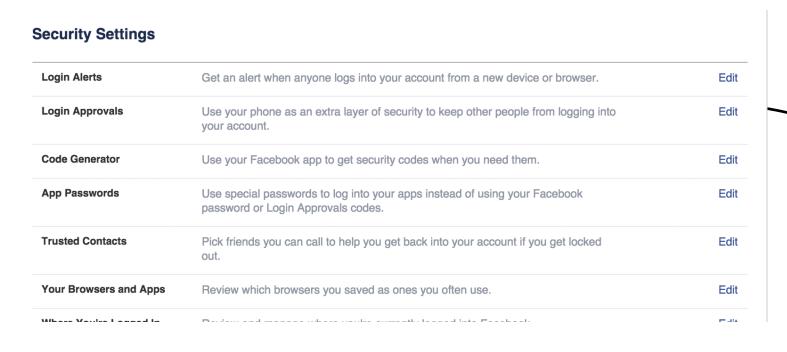






Update user profile photo

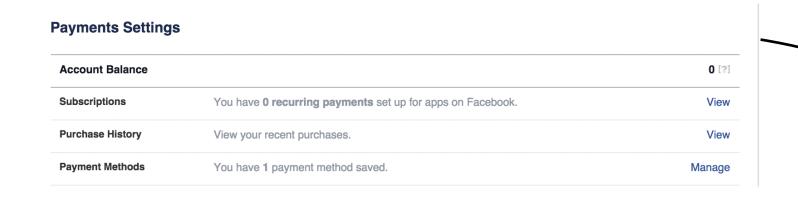
PROFILE





Update user password

SETTINGS

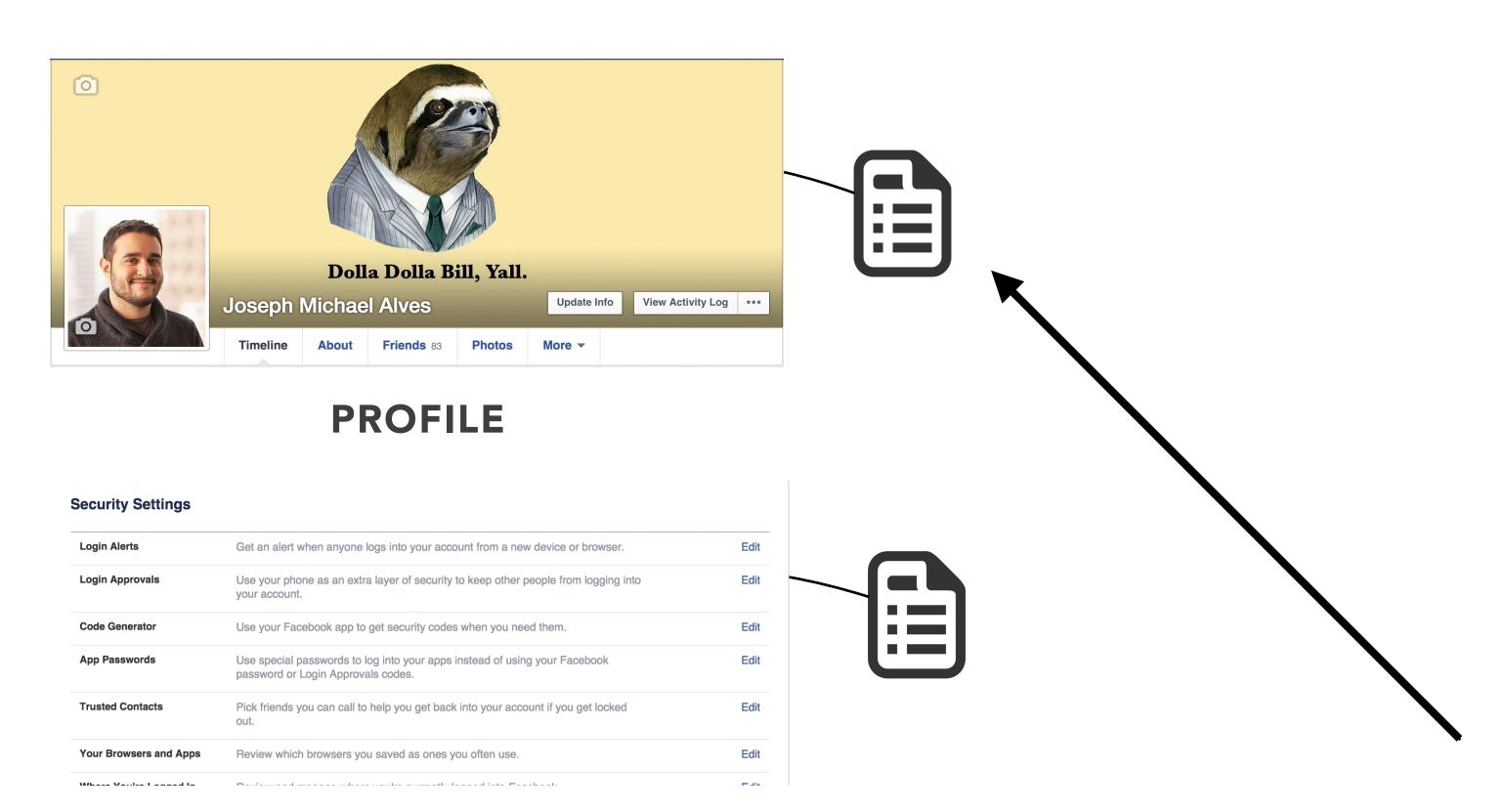




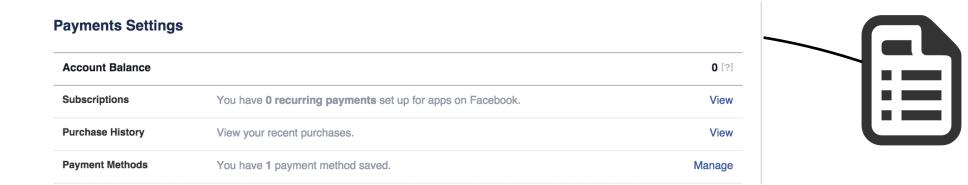
Update billing address

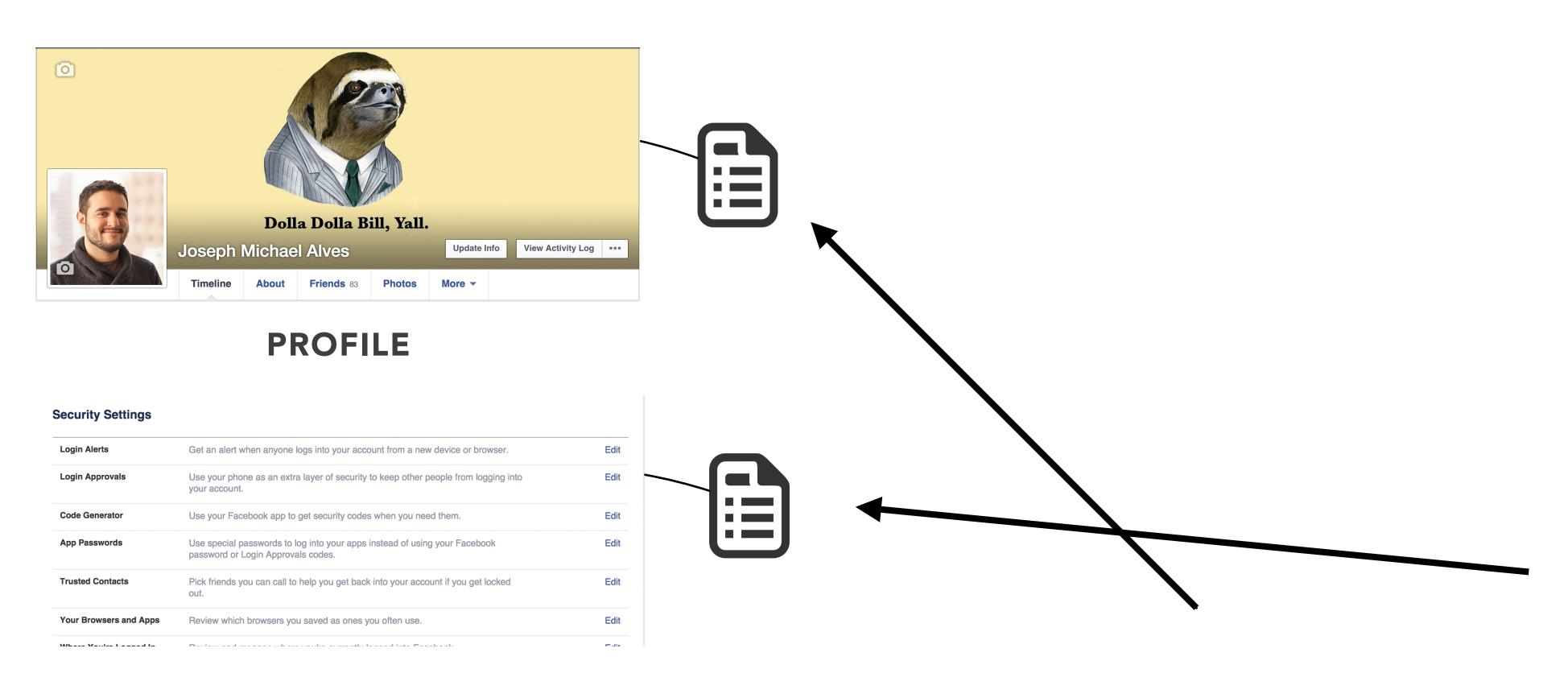
"Good code is easily understood."

HOW DO WE UPDATE USER INFORMATION?

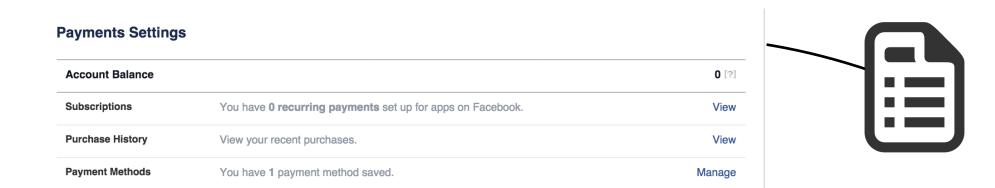


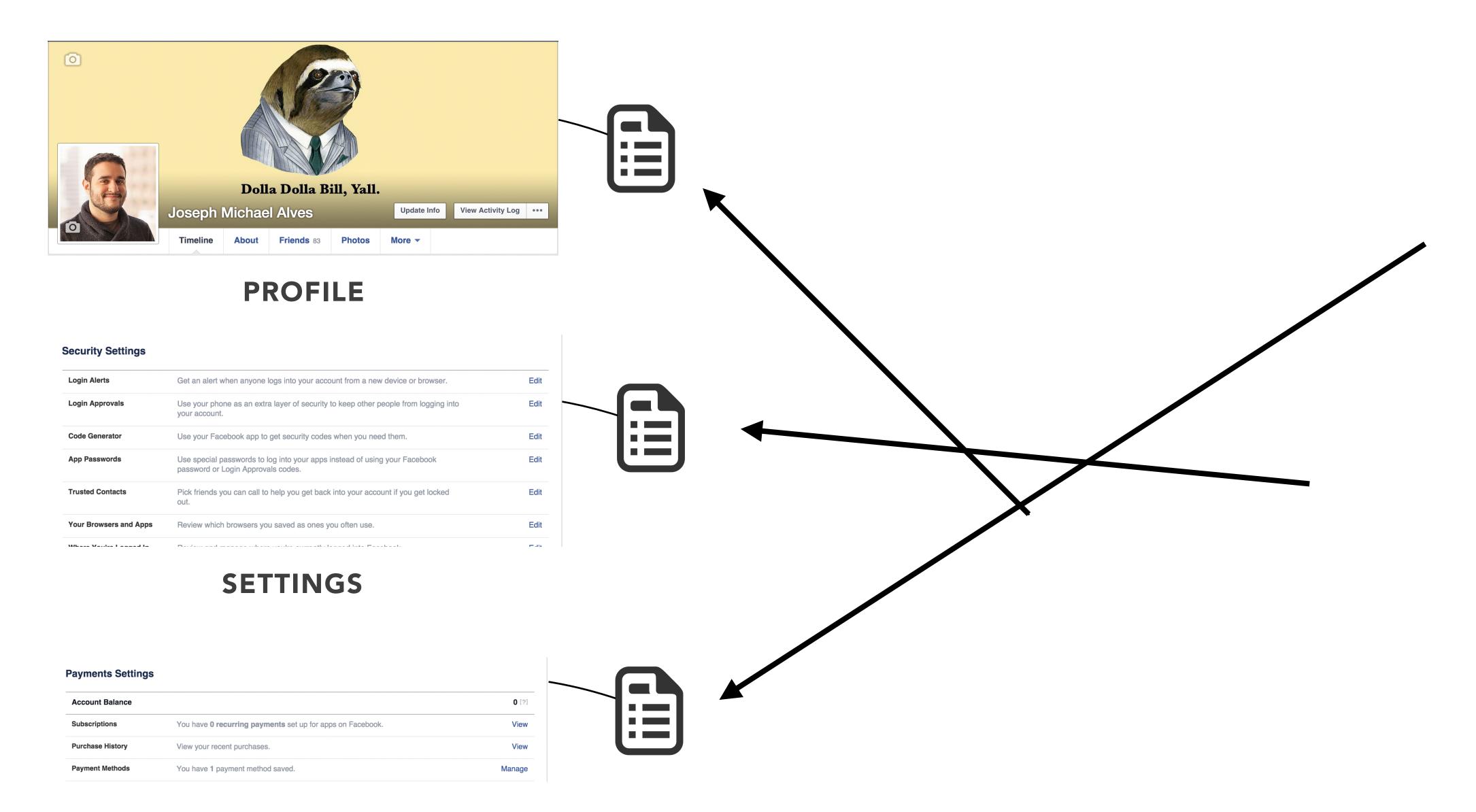
SETTINGS



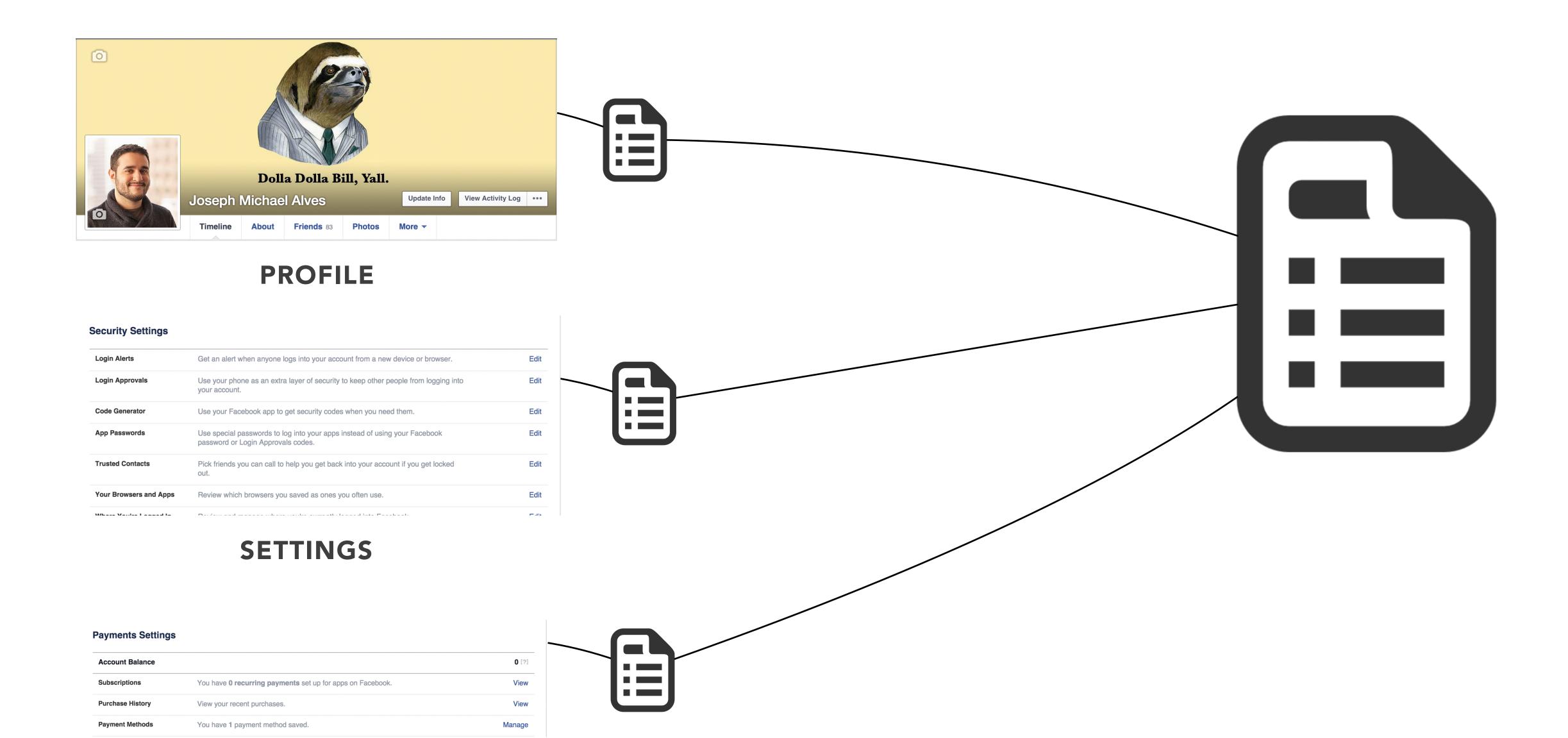


SETTINGS

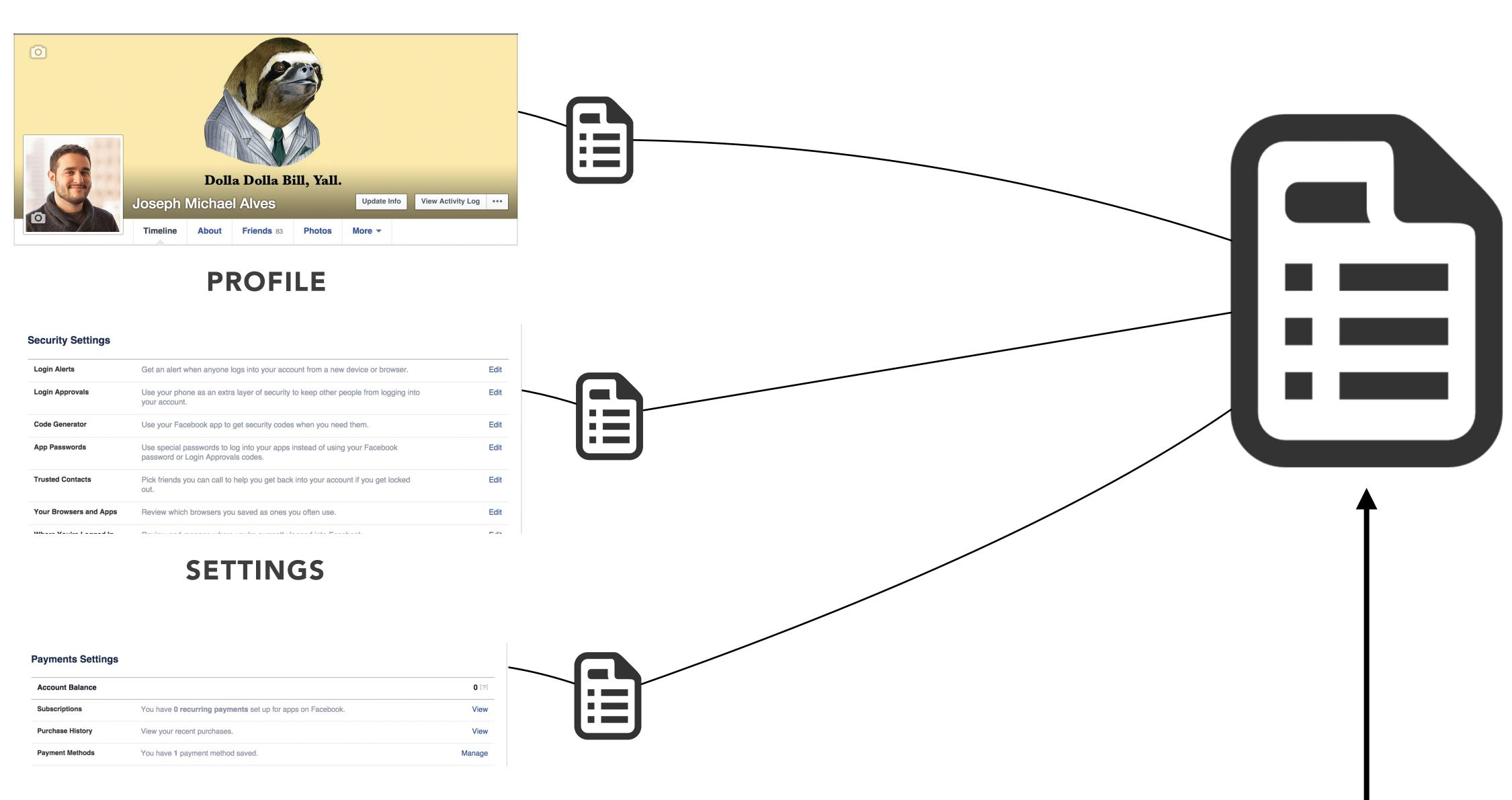




BILLING



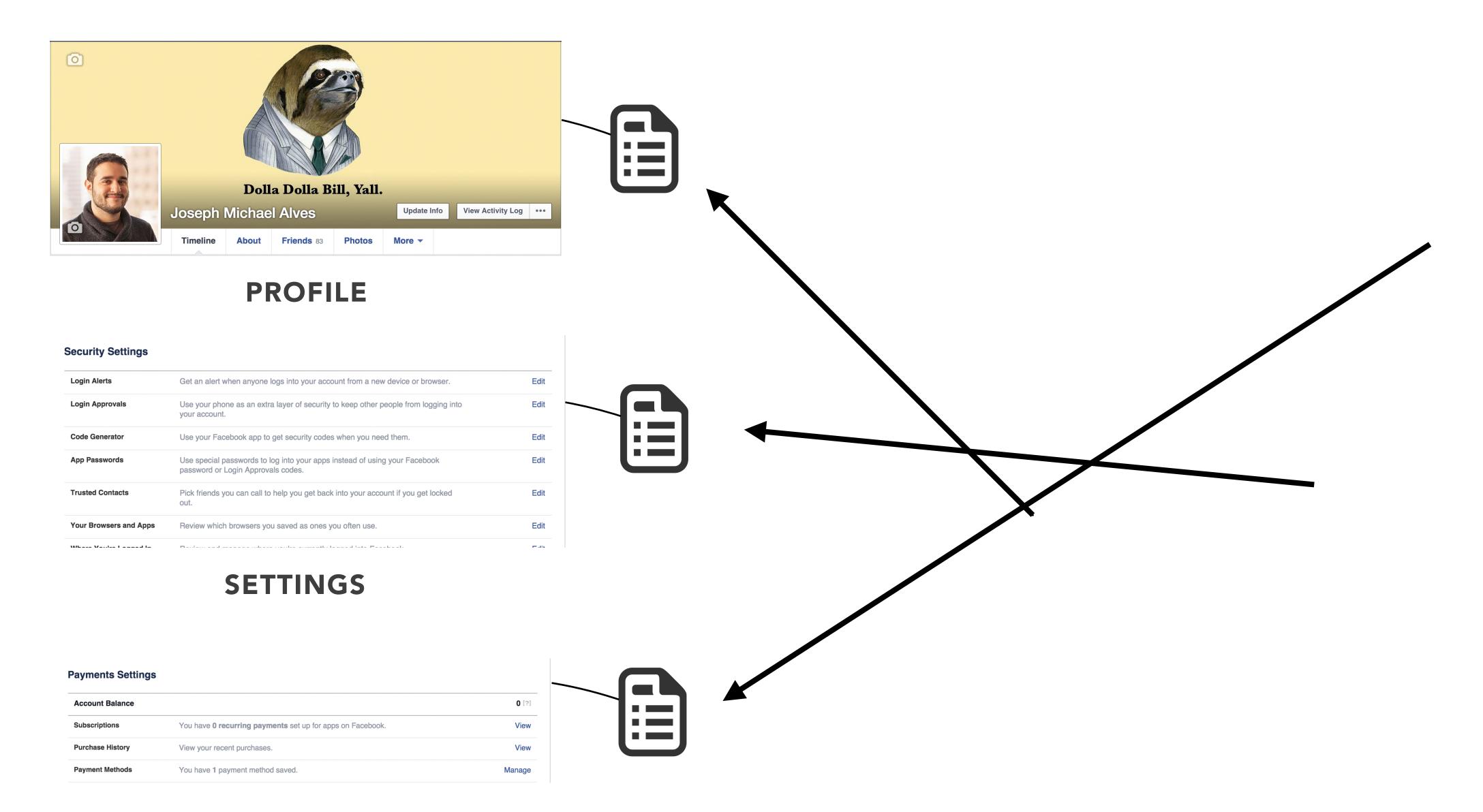
BILLING



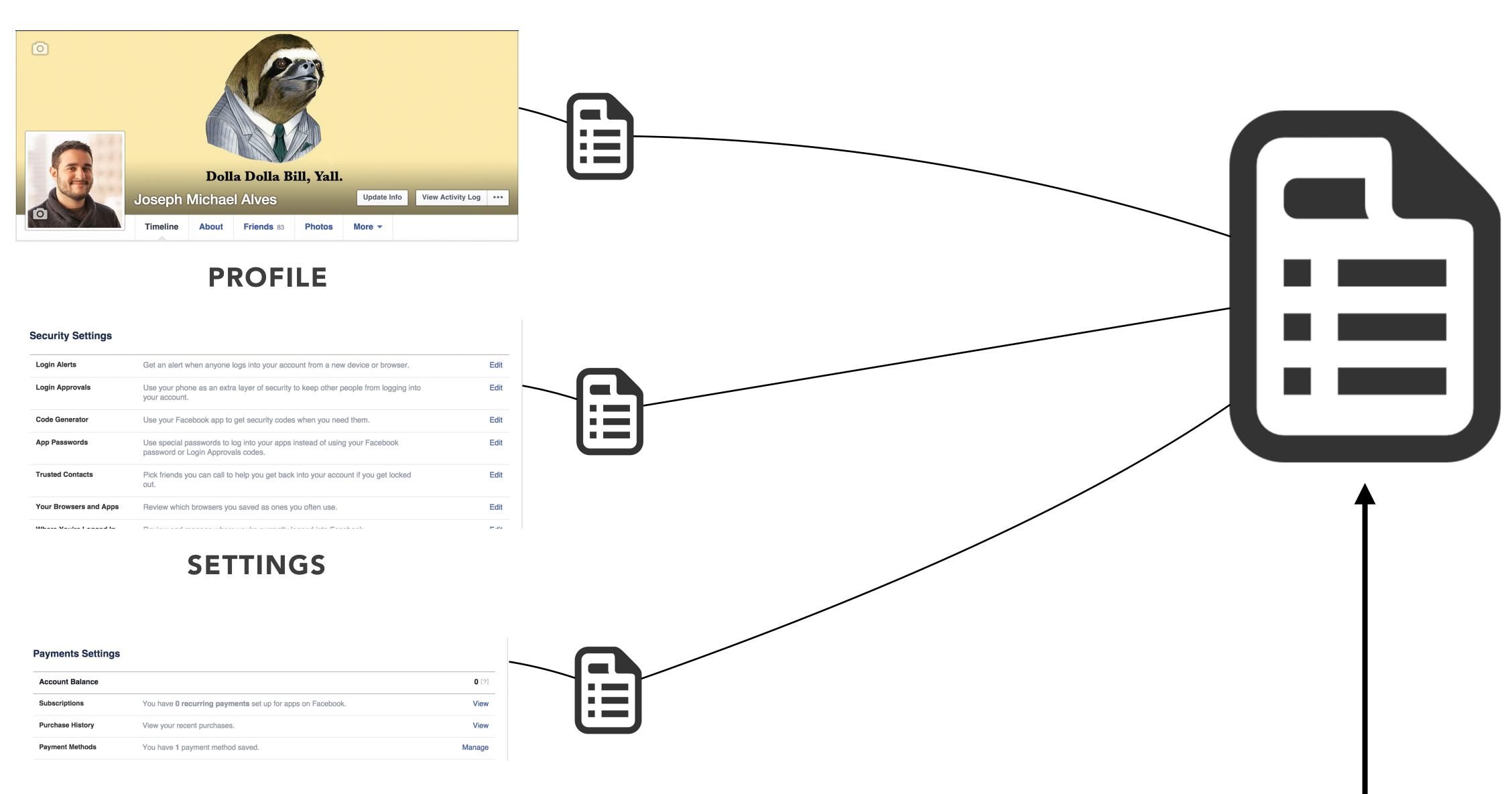
"Good code is easily maintained."

WE NEED TO CHANGE HOW WE UPDATE USER INFORMATION.

USER_ID = THE_USER_ID



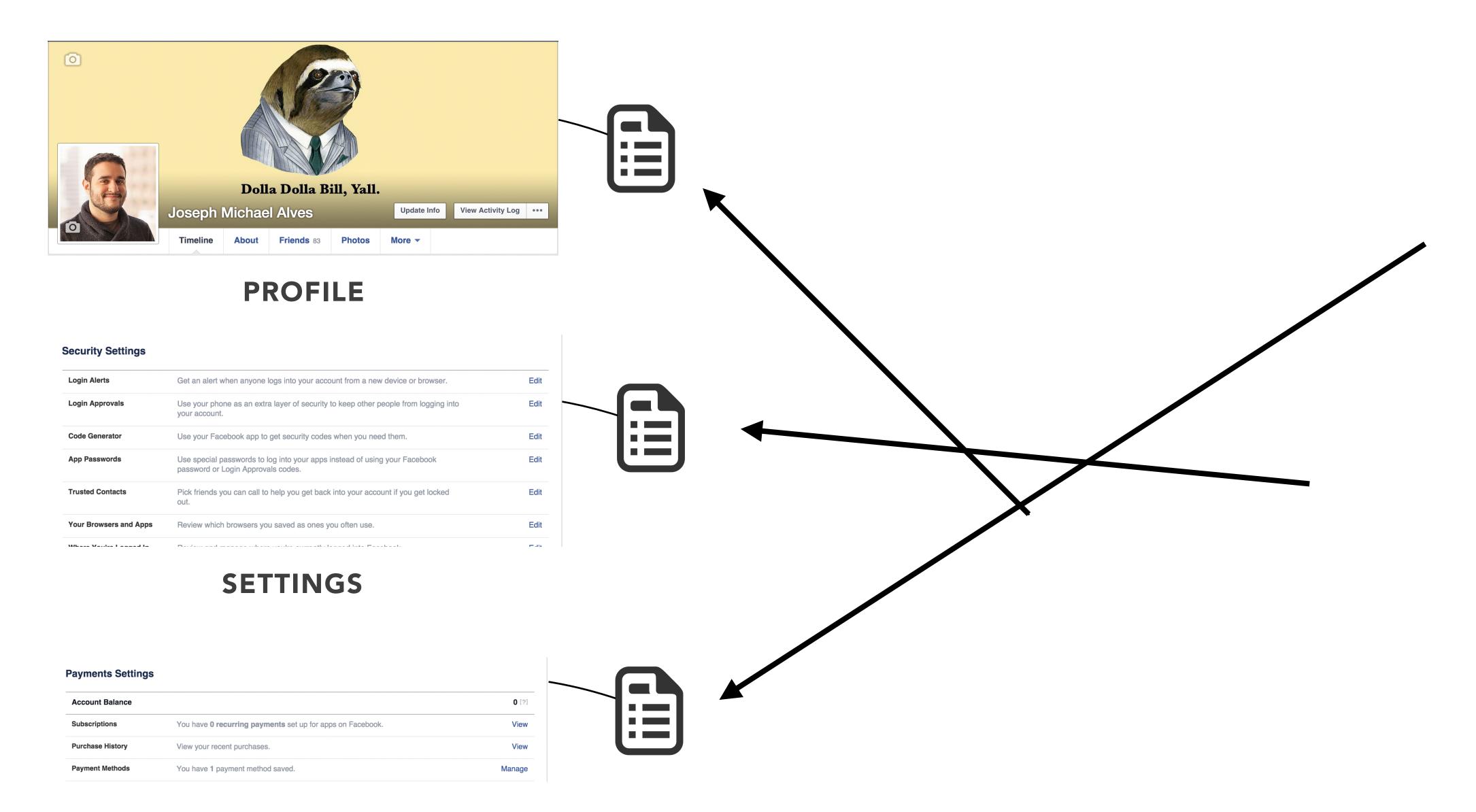
BILLING



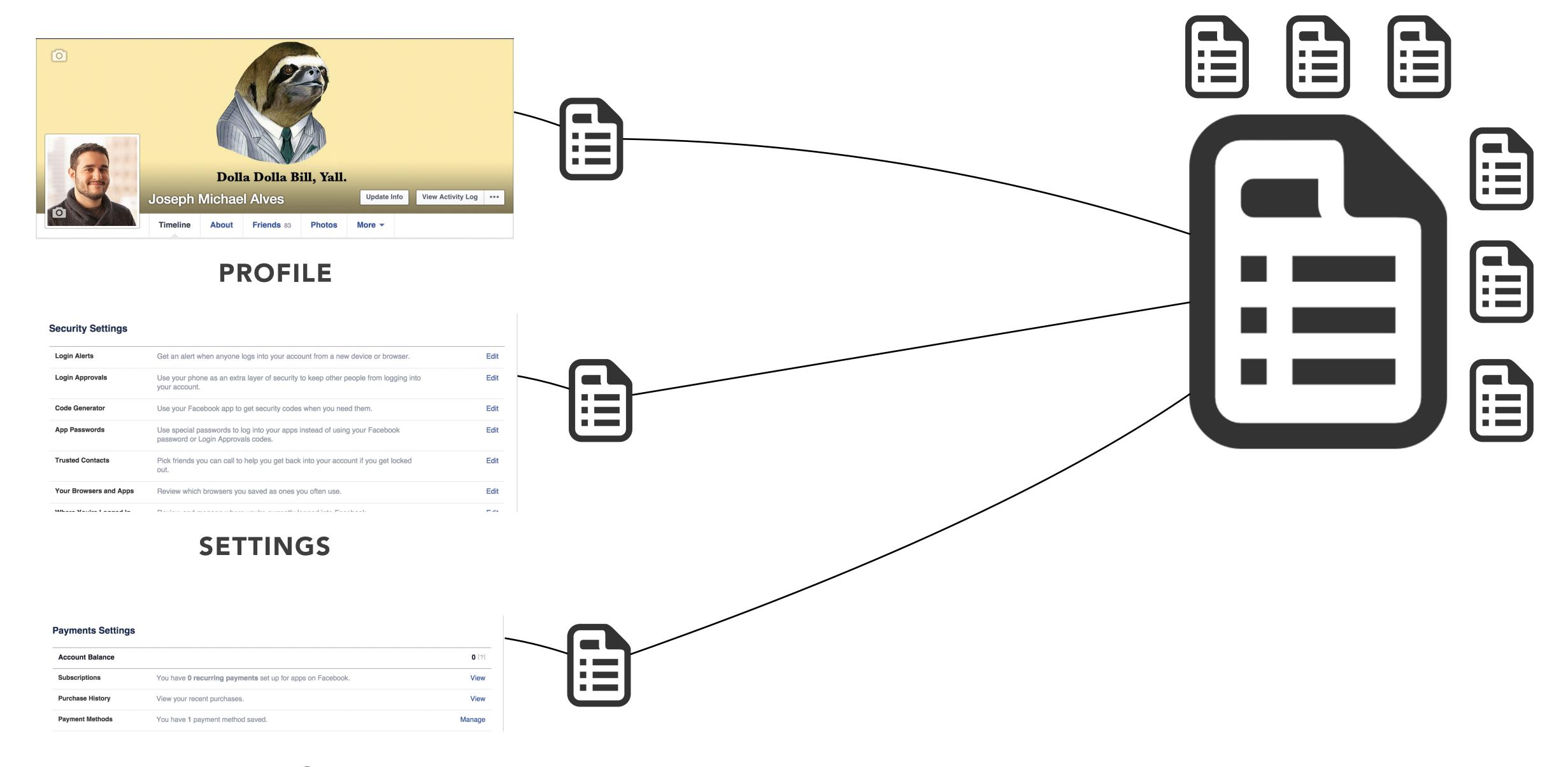
"Good code is easily extended."

WE NEED A NEW FEATURE. BUSINESS PAGES! THERE ARE LIKE NORMAL USERS, BUT FOR BUSINESSES!

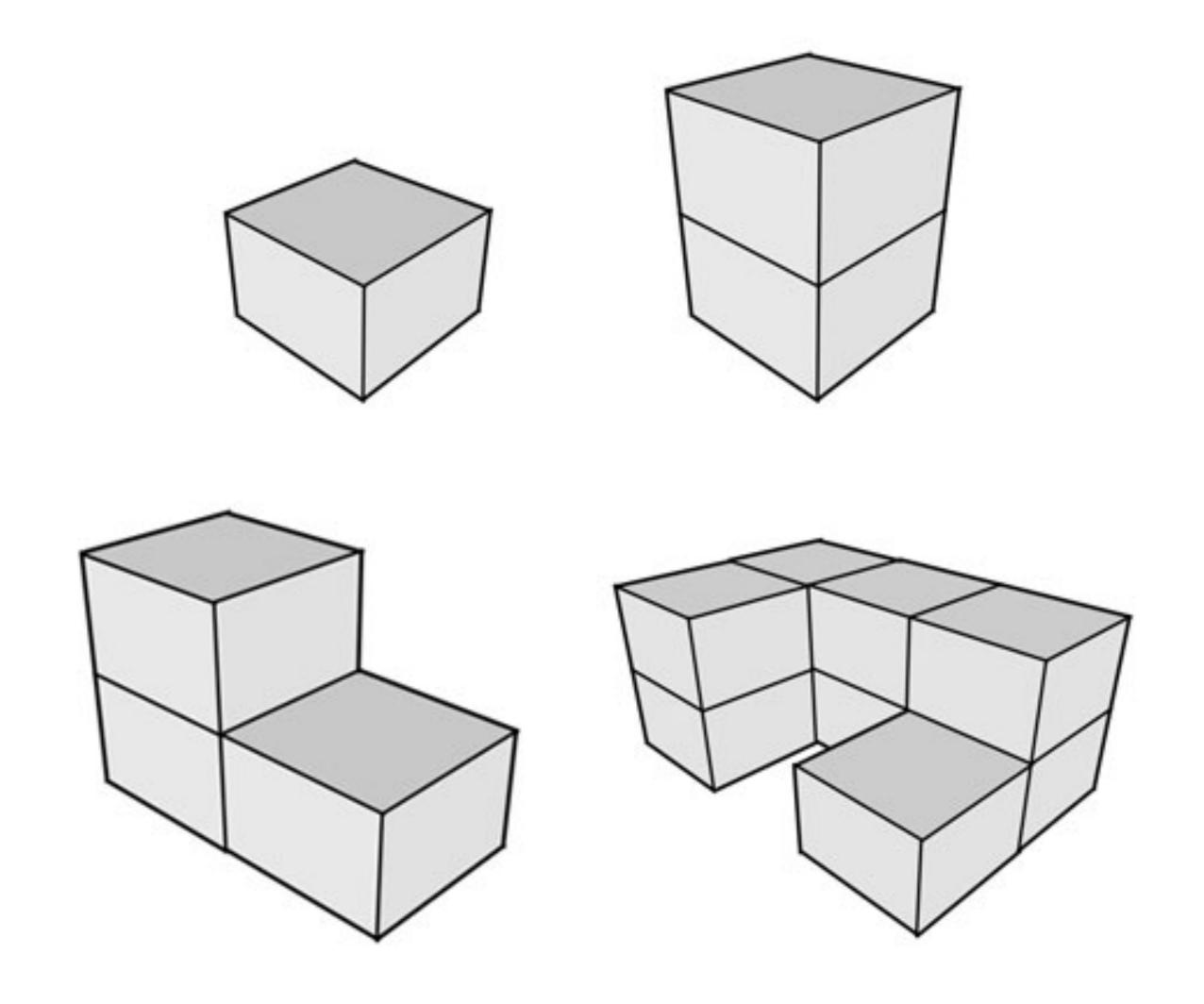
"Good code is easily extended."



BILLING



BILLING



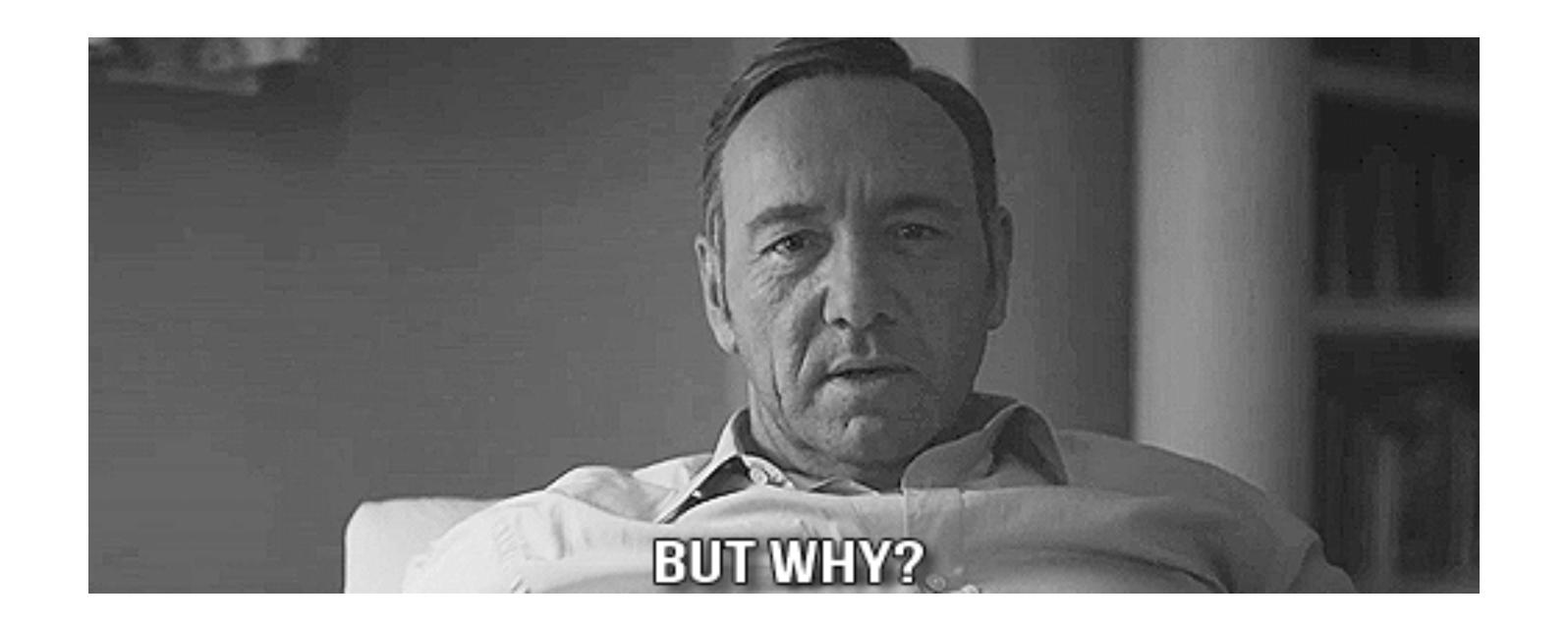
ANGULAR.JS FACTORIES

Workhorses of our application

```
app.factory('MathTools', function() {
    var tools = {};
    tools.formatPercentage = function (n) {
     // ...
    return tools;
});
```

```
app.factory('MathTools', function () {
   var tools = {};
   tools.formatPercentage = function (n) {
        // """
   };
   return tools;
});
```

```
app.controller('MicrosoftStock', function ($scope, MathTools) {
    // MathTools is the same object we returned from the factory
    // It has a method ---> MathTools.formatPercentage
});
```



DRY (Don't Repeat Yourself)

DRY (Don't Repeat Yourself)

Abstracting away implementation details

DRY (Don't Repeat Yourself)

Abstracting away implementation details

• Maintainability

DRY (Don't Repeat Yourself)

Abstracting away implementation details

• Maintainability

Clarity

DRY (Don't Repeat Yourself)

Abstracting away implementation details

• Maintainability

Clarity

Testability

DEPENDENCY INJECTION

Registration and Retrieval

app.controller('MyCoolCtrl', function () {});

<div ng-controller="MyCoolCtrl">
</div>

48

```
app.factory('MathTools', function () {
   var tools = {};
   tools.formatPercentage = function (n) {
        // """
   };
   return tools;
});
```

```
app.controller('MicrosoftStock', function ($scope, MathTools) {
    // MathTools is the same object we returned from the factory
    // It has a method --> MathTools.formatPercentage
});
```

```
var app = angular.module('MyCoolApp', []);
```

```
app.factory('MathTools', function () {
    // ...
});
```

MathTools app.factory('MathTools', function () { // ... });

Restaurants

```
app.factory('MathTools', function () {
    // ...
});
```

Restaurants

```
MathTools
                       Hotels
                                         Restaurants
                       MicrosoftStock
app.controller('MicrosoftStock', function ($scope, MathTools) {
   // MathTools is the same object we returned from the factory
   // It has a method --> MathTools.formatPercentage
});
```

```
var app = angular.module('MyCoolApp', []);
    MathTools
                      Hotels
                                    Restaurants
                      MicrosoftStock
                           RestaurantList
 app.controller('RestaurantList', function ($scope, Restaurants) {
     // ...
 });
```

```
var app = angular.module('MyCoolApp', []);
                       Hotels
    MathTools
                                      Restaurants
                       MicrosoftStock
                       RestaurantList
                    FavoriteRestaurants
  app.factory('FavoriteRestaurants', function (Restaurants) {
     return _.where(Restaurants, { name: 'Potbellys' })
  });
```



INJECTABLE FUNCTION

```
app.controller('MicrosoftStock', function ($scope, MathTools) {
    // MathTools is the same object we returned from the factory
    // It has a method --> MathTools.formatPercentage
});

app.factory('FavoriteRestaurants', function (Restaurants) {
    return _.where(Restaurants, { name: 'Potbellys' })
});
```



INJECTABLE FUNCTION

```
app.controller('MicrosoftStock', function ($scope, MathTools) {
    // MathTools is the same object we returned from the factory
    // It has a method --> MathTools.formatPercentage
});
app.factory('FavoriteRestaurants', function (Restaurants) {
    return _.where(Restaurants, { name: 'Potbellys' })
});
```

PRE-PACKAGED ANGULAR FACTORIES

AJAX and more!