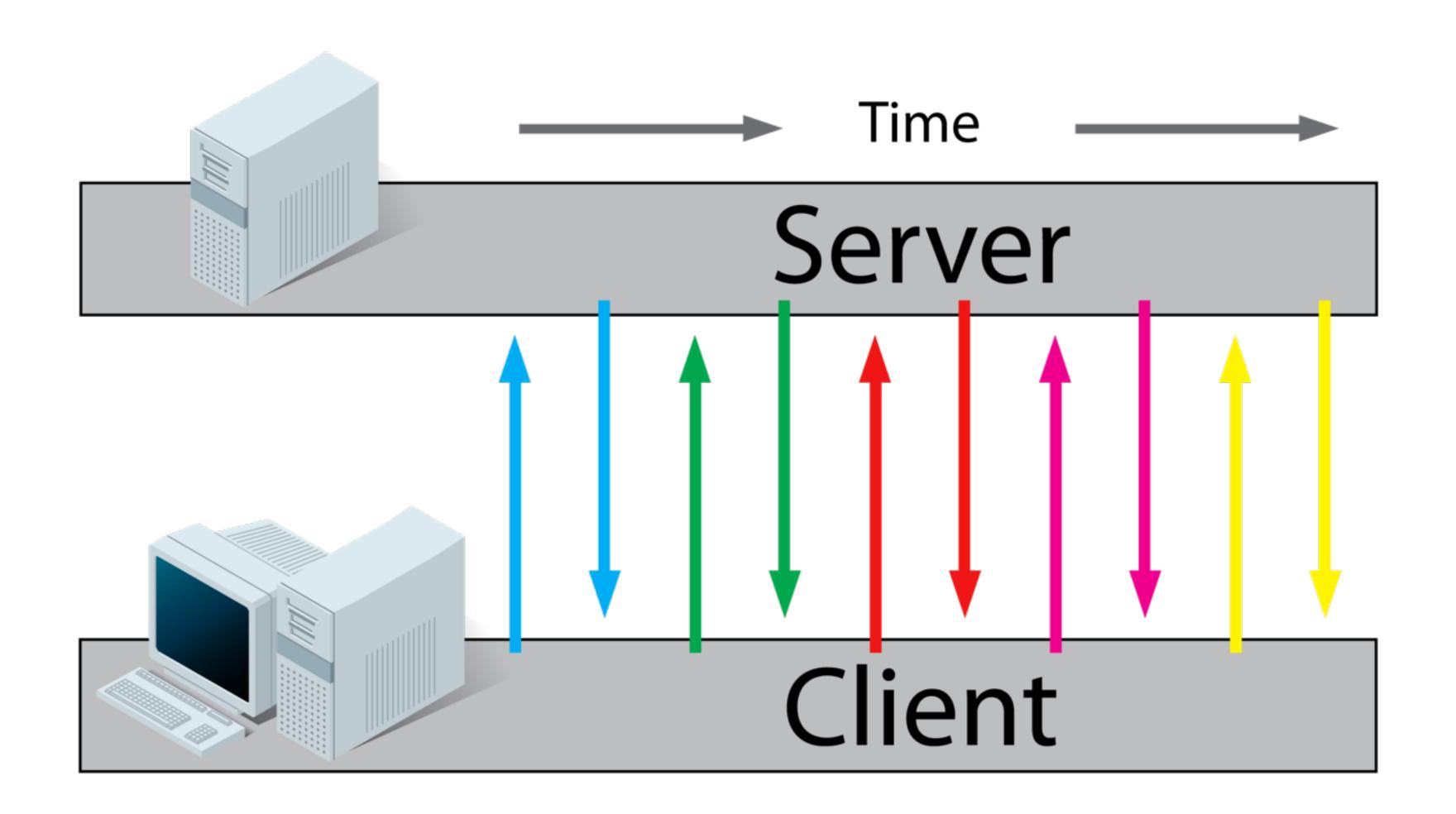
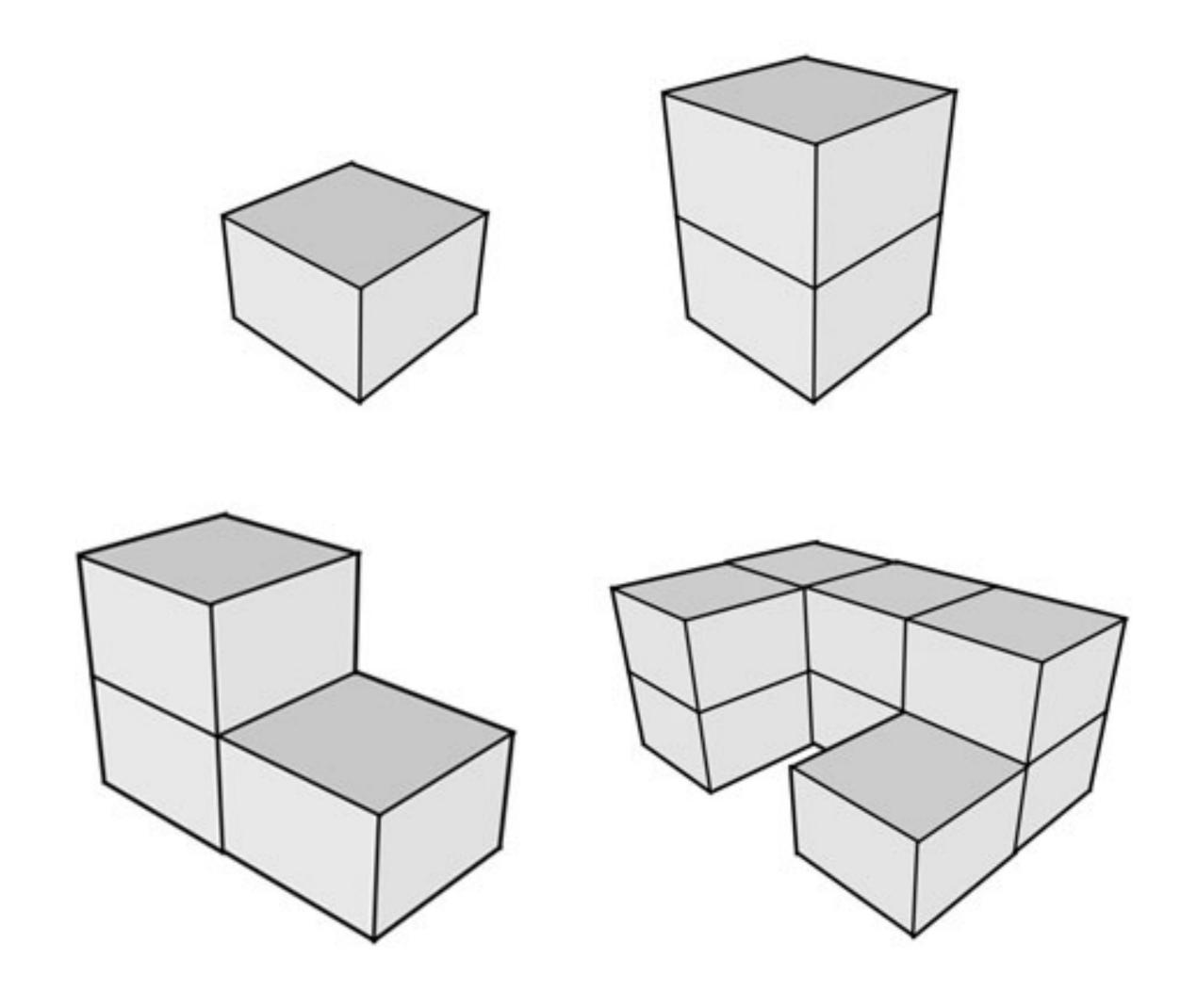
## ANGULAR.JS MODULARITY

Emming the M-V-C





## THE SHORTLIST

- News Feed
- Comments/Likes
- 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

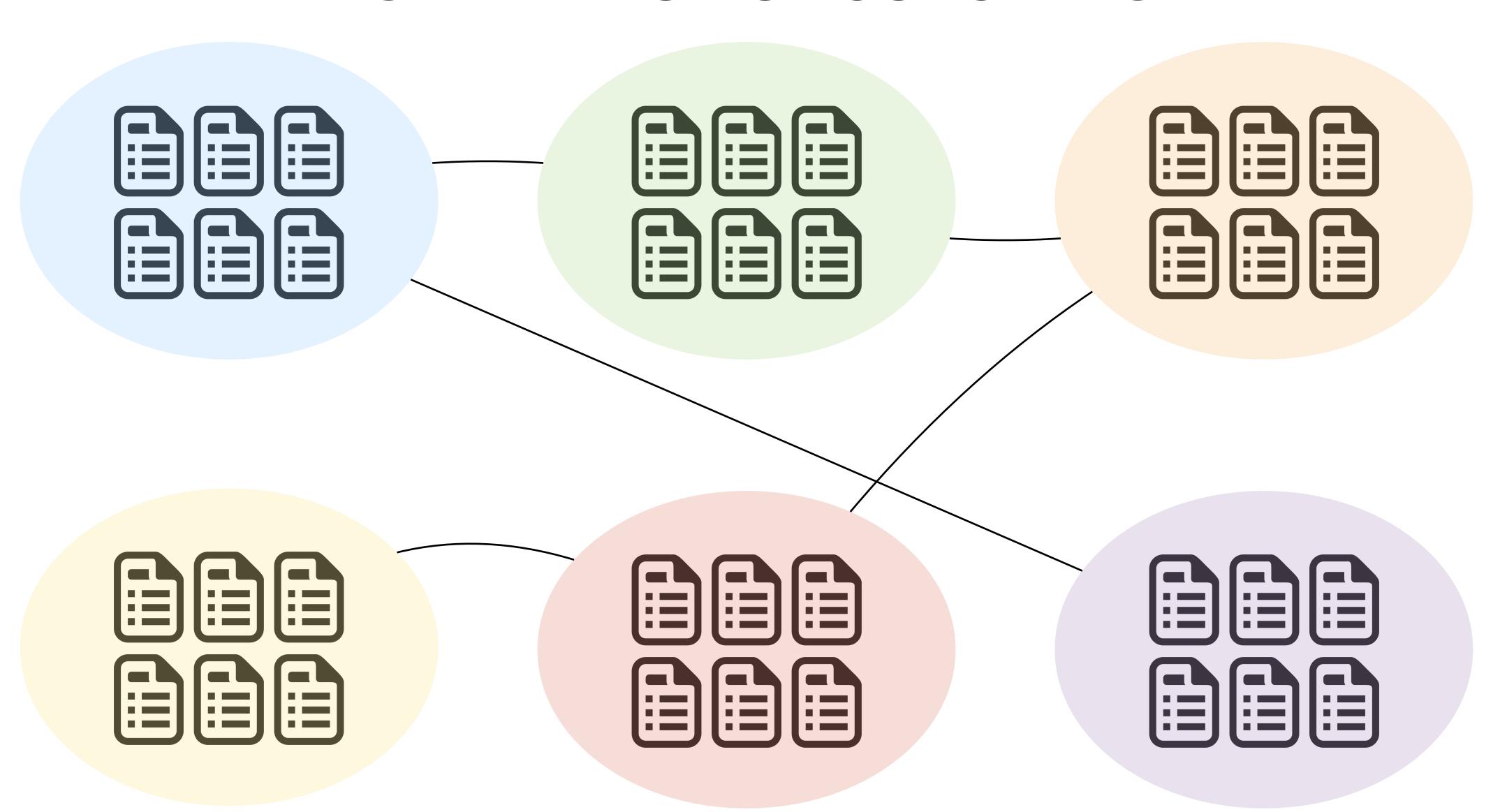








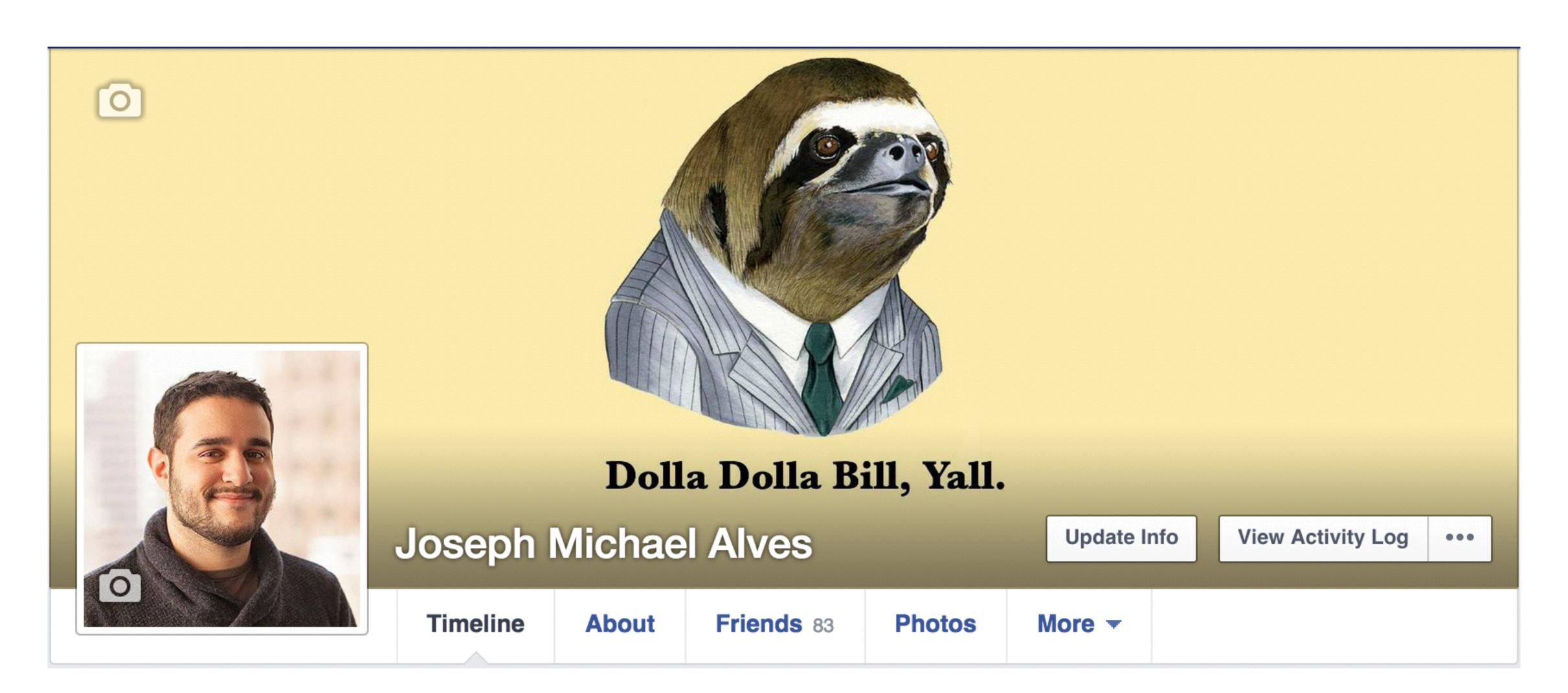
### SEPARATION OF CONCERNS



"Always code as if the person 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  |
| Whose Venius I seed in | Davience and manages whose control comments leaved that Facebook  | F-194 |

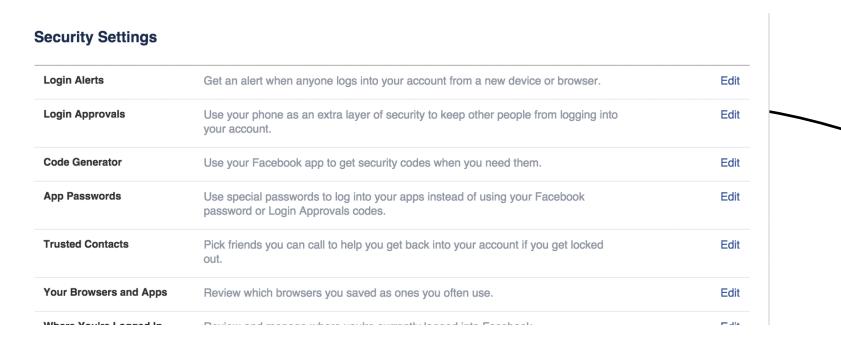
## BILLING PAGE

#### **Payments Settings**

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

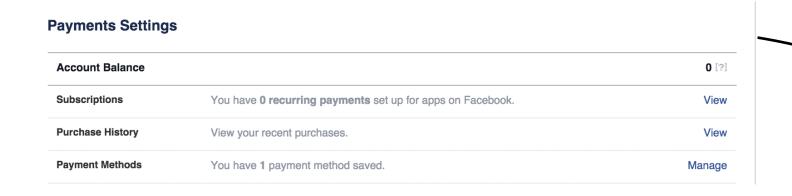


#### **PROFILE**





#### **SETTINGS**



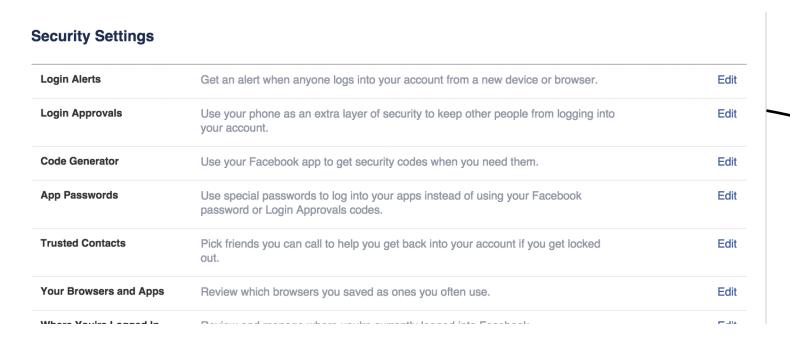






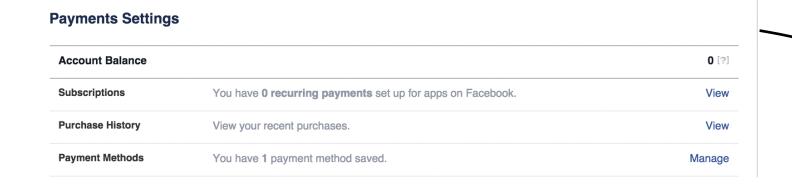
## Update user profile photo

#### **PROFILE**





#### **SETTINGS**



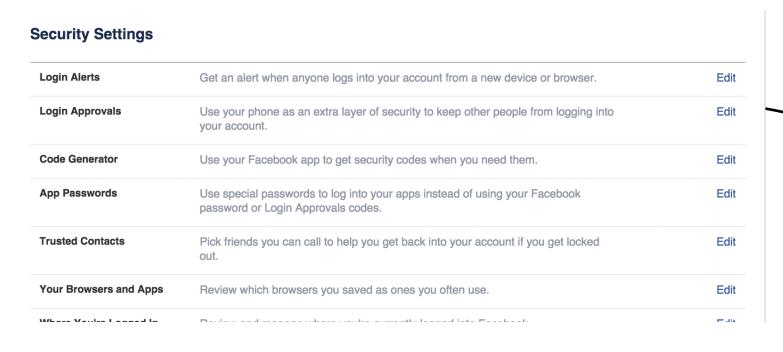






## Update user profile photo

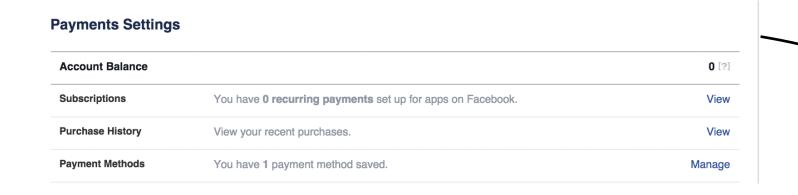
#### **PROFILE**





### Update user password

#### **SETTINGS**



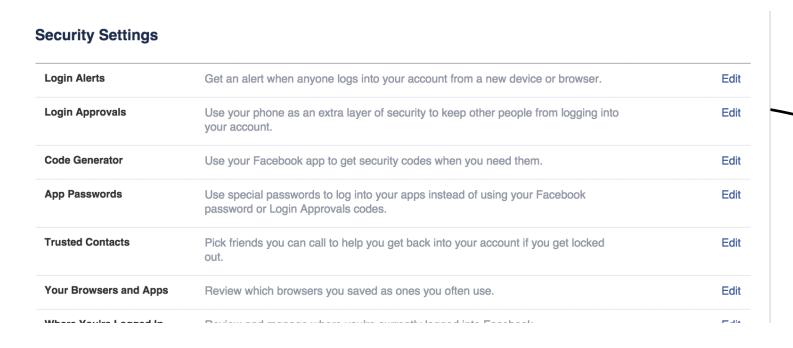






## Update user profile photo

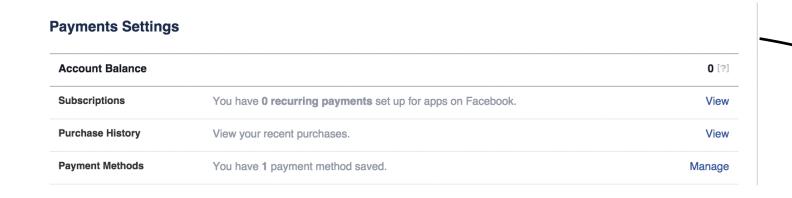
#### **PROFILE**





Update user password

#### **SETTINGS**

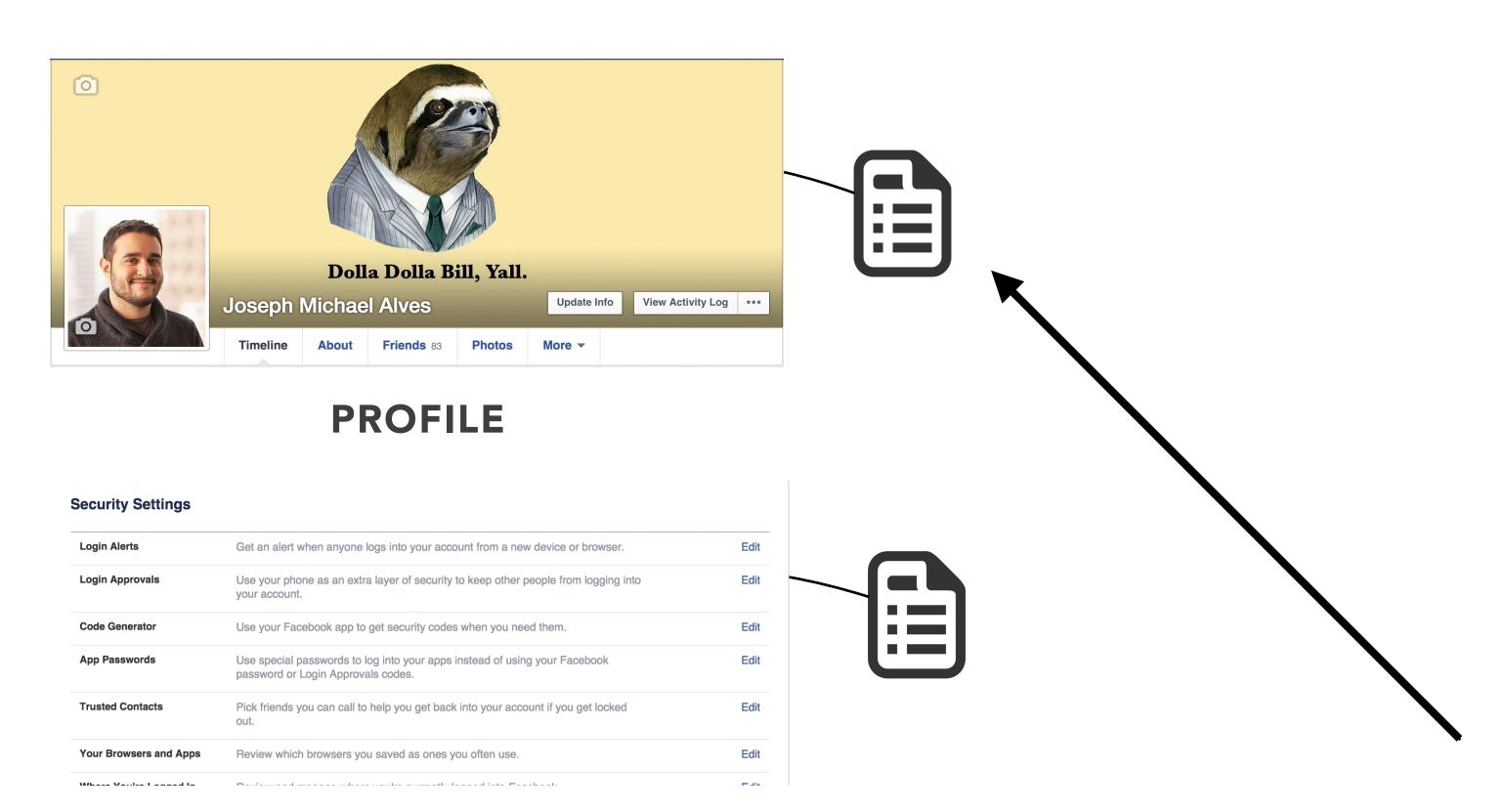




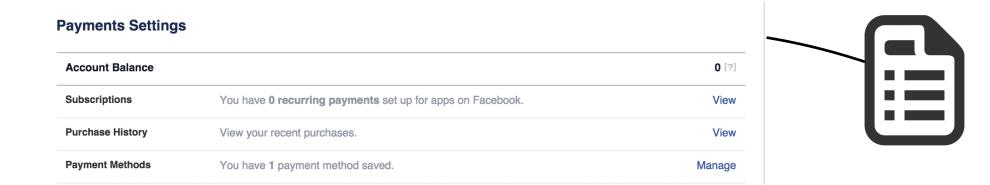
Update billing address

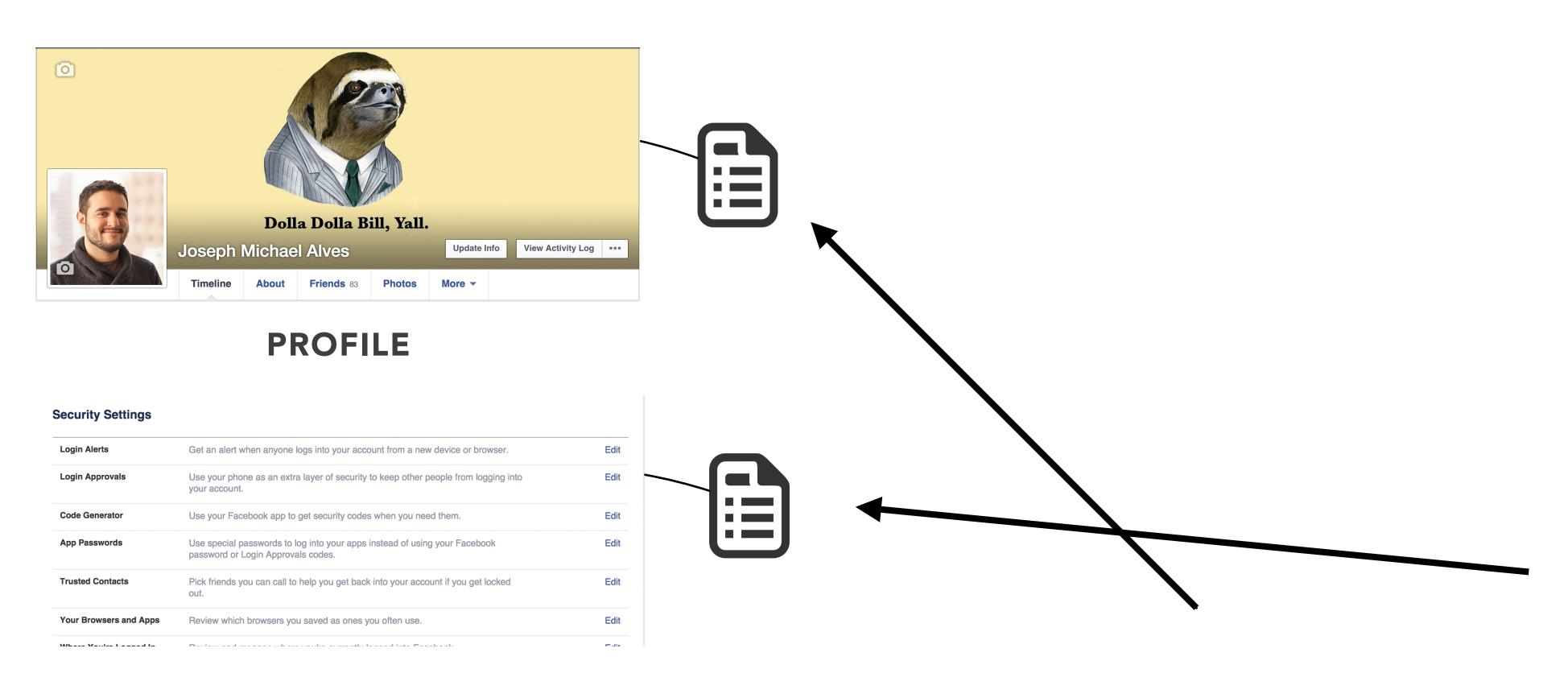
"Good code is easily understood."

## HOW DO WE UPDATE USER INFORMATION?

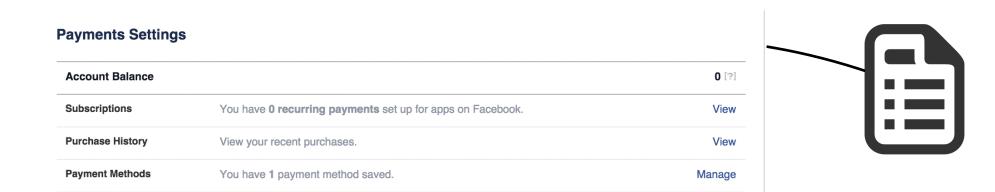


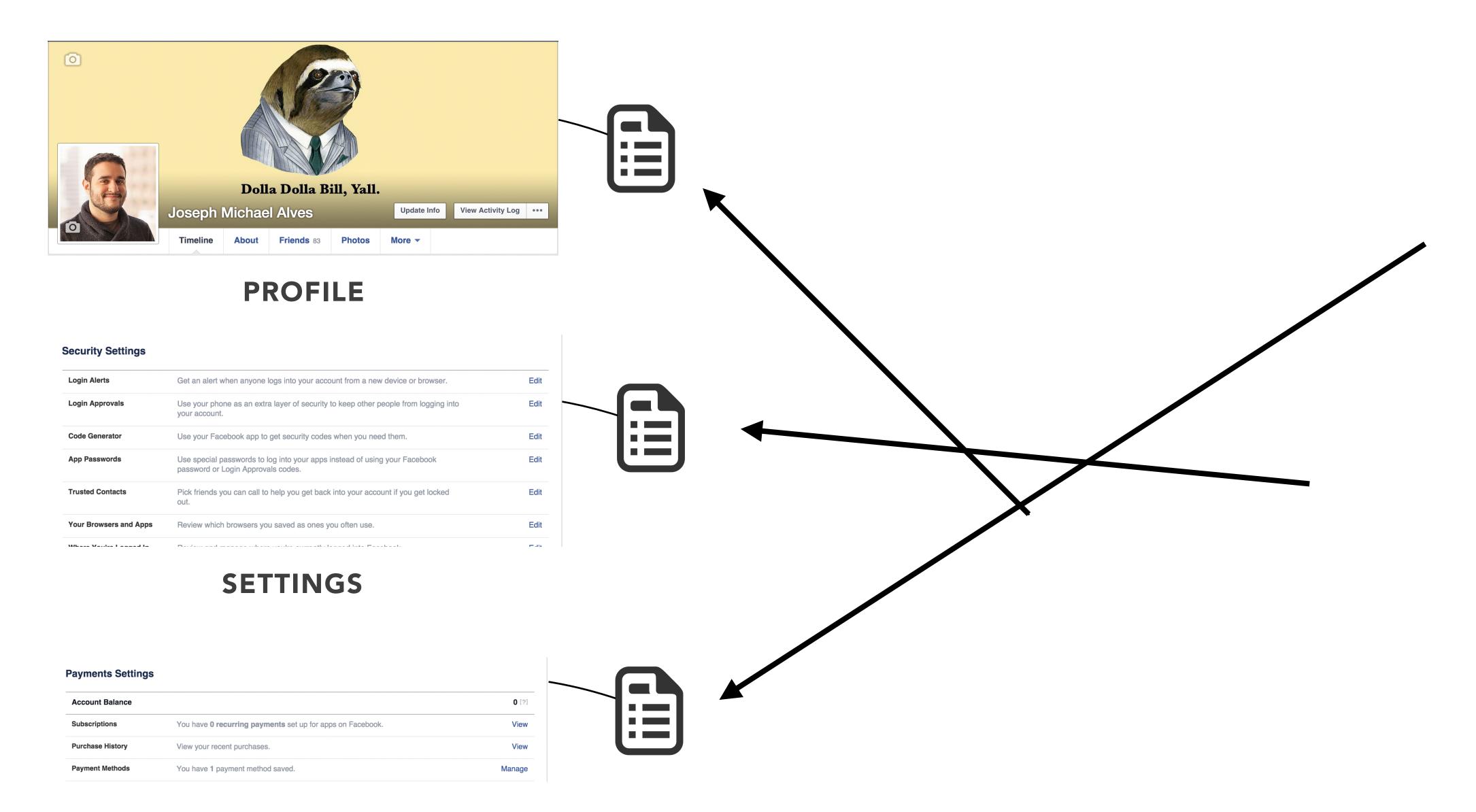
#### **SETTINGS**



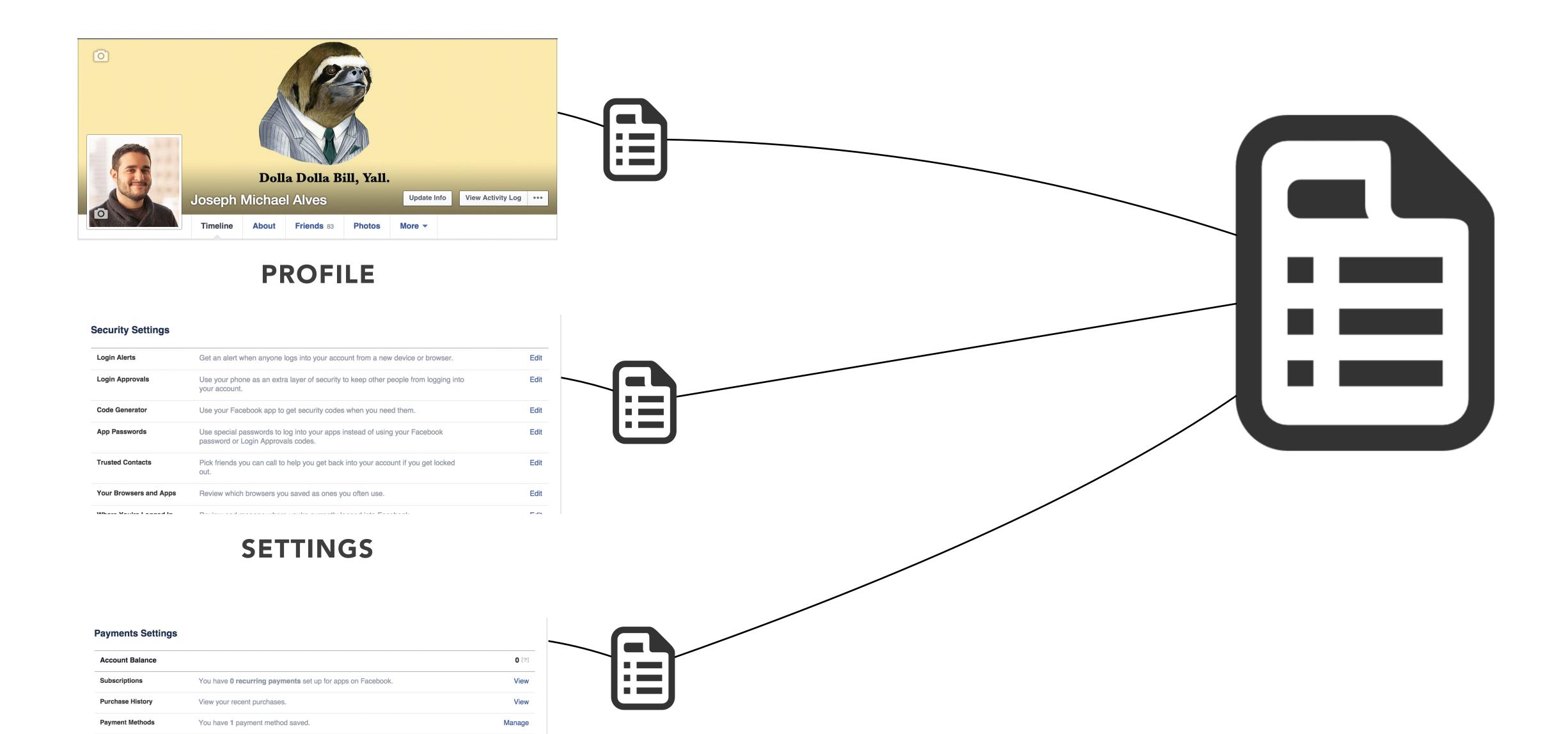


#### **SETTINGS**

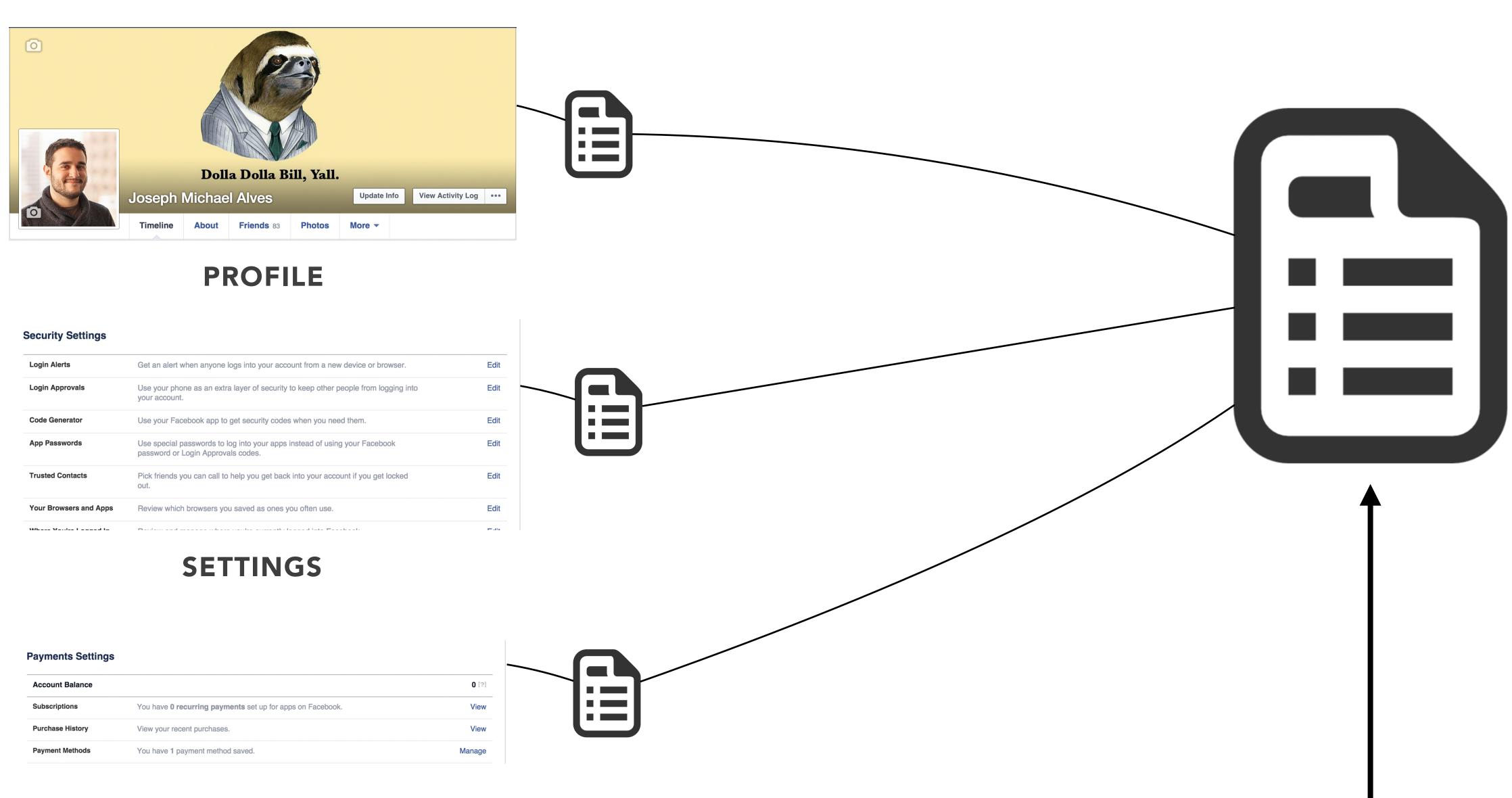




**BILLING** 



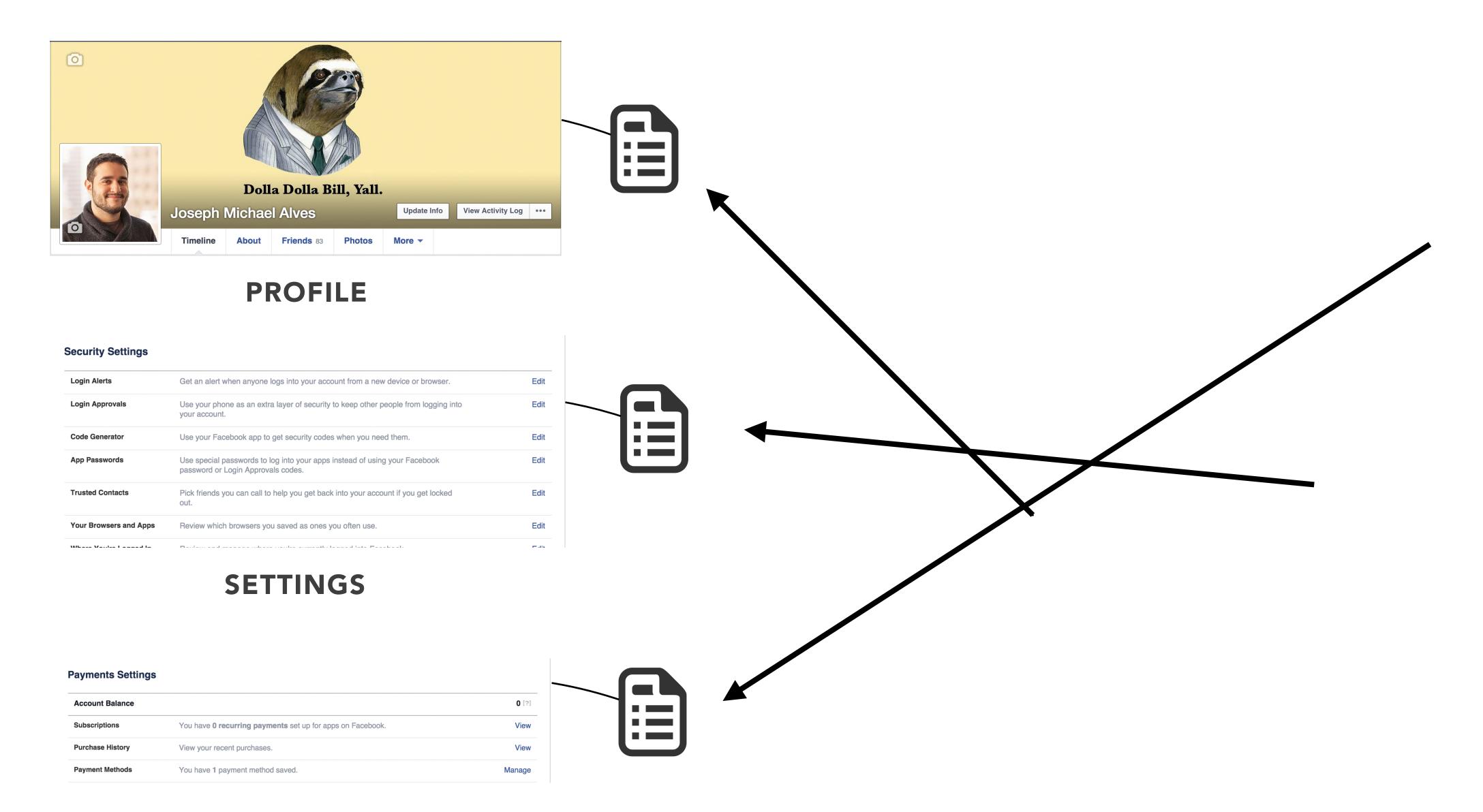
**BILLING** 



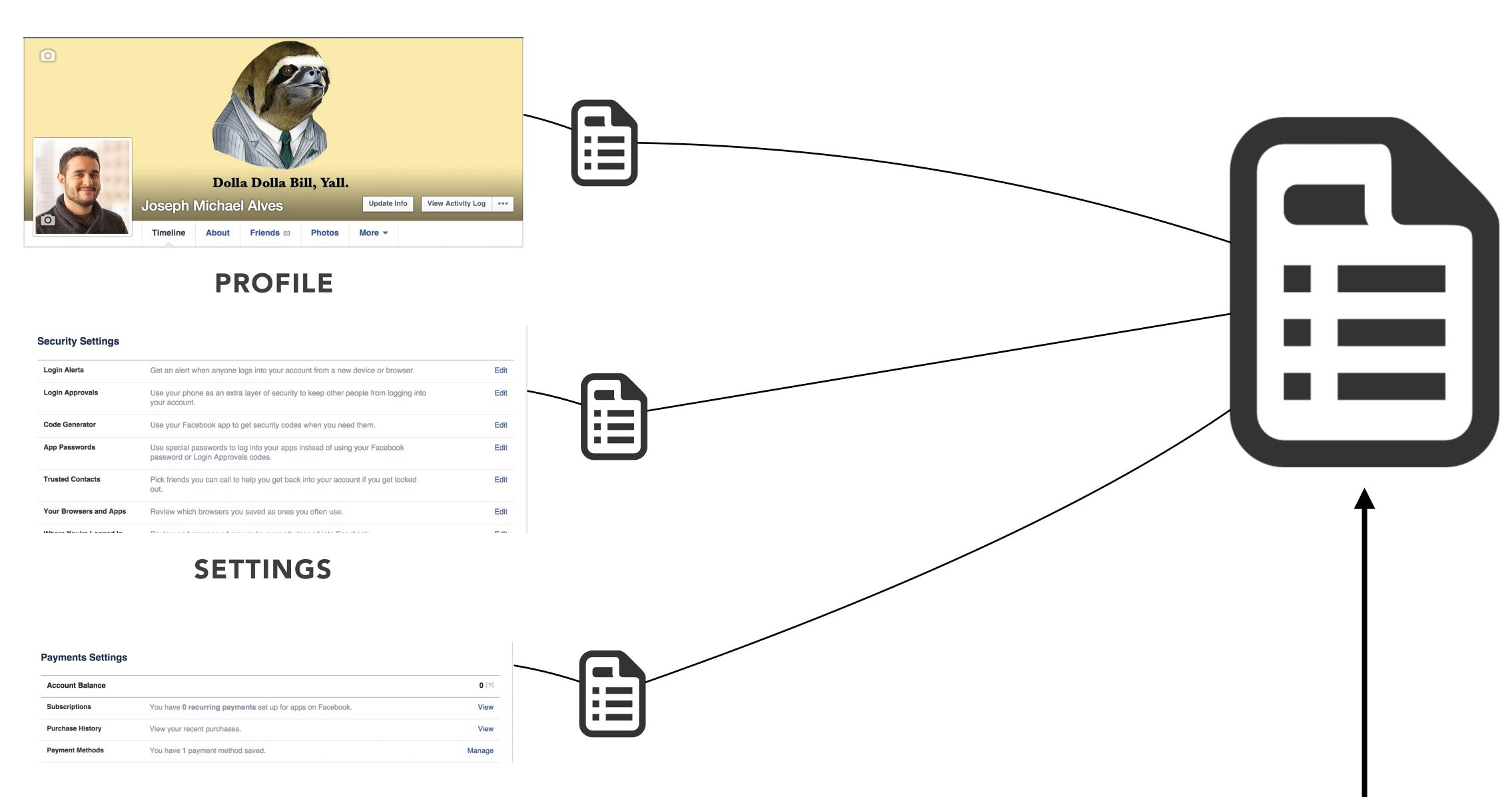
"Good code is easily maintained."

## WE NEED TO CHANGE HOW WE UPDATE USER INFORMATION.

USER\_ID = THE\_USER\_ID

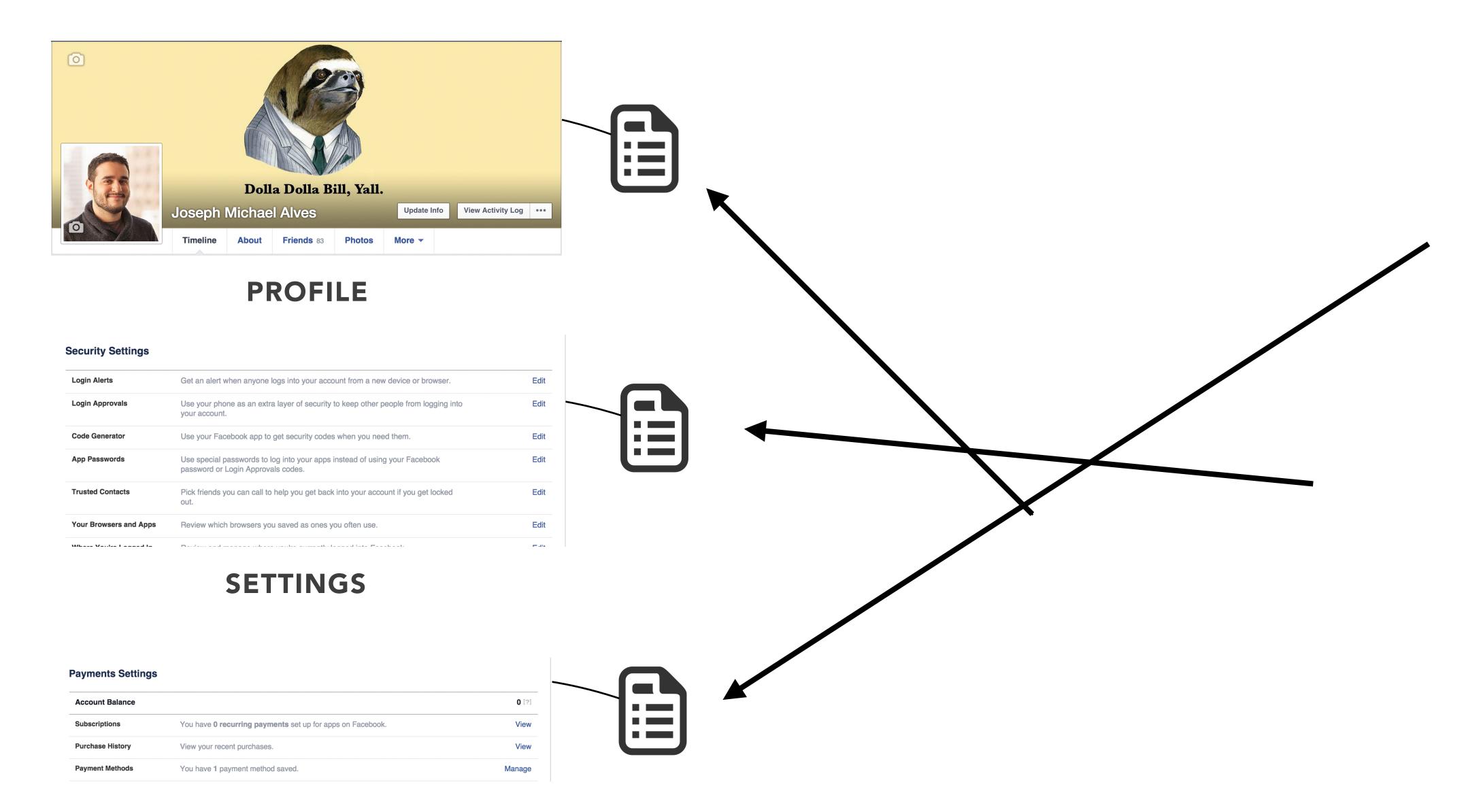


**BILLING** 

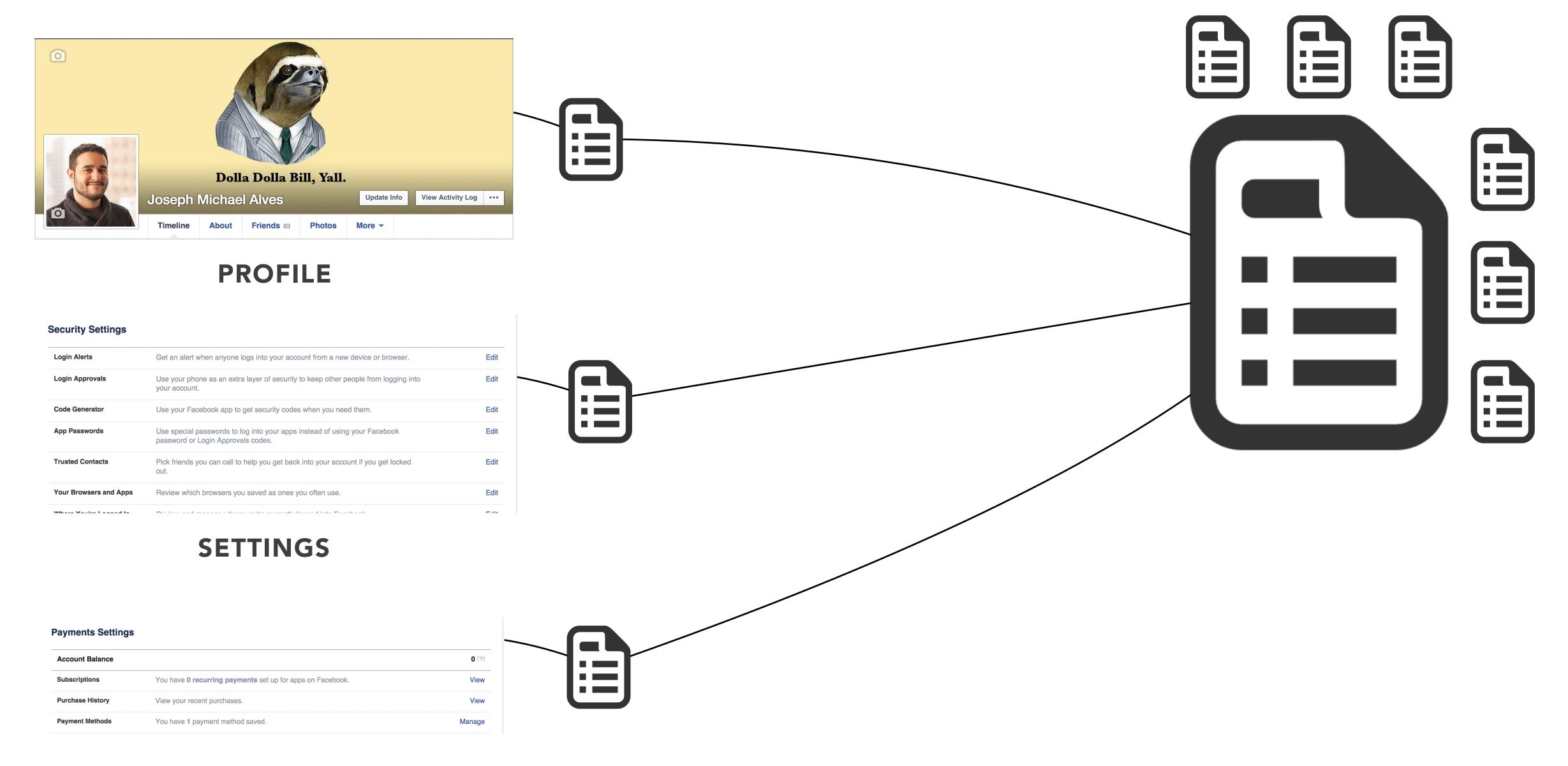


"Good code is easily extended."

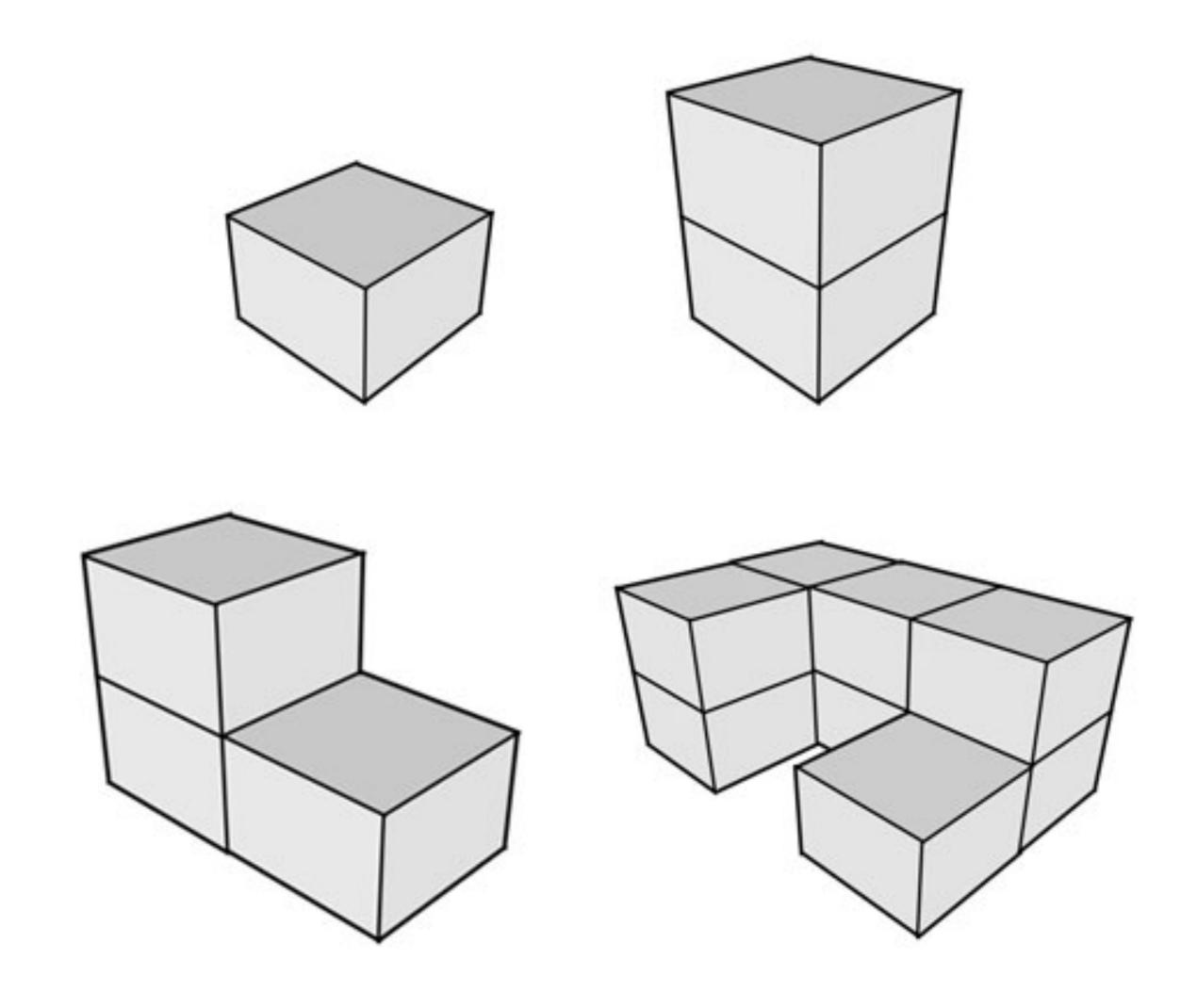
# WE NEED A NEW FEATURE. BUSINESS PAGES! THEY ARE LIKE NORMAL USERS, BUT FOR BU\$INE\$\$E\$!



**BILLING** 



**BILLING** 



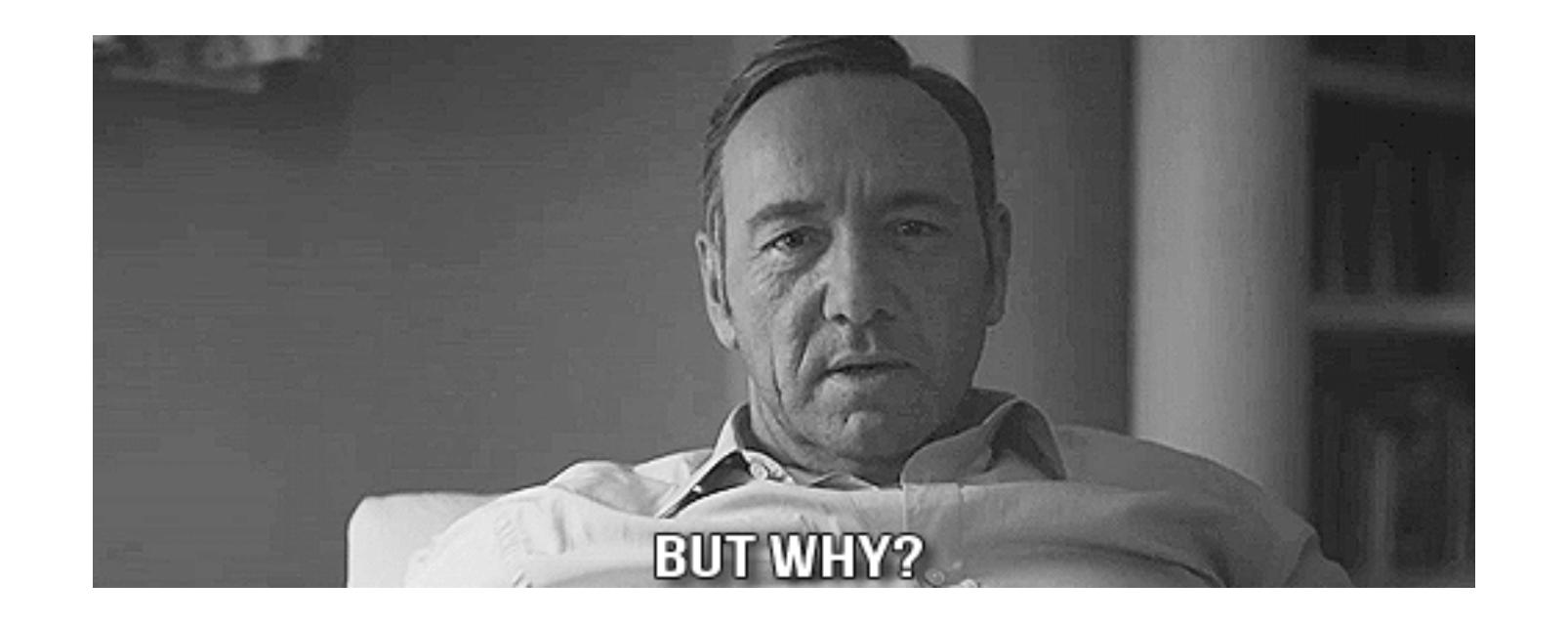
## ANGULAR.JS FACTORIES

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

44

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

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

46

```
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', []);
```

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

```
MathTools

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

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

#### **MathTools**

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

#### Restaurants

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

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

#### Restaurants

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

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

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

```
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
});
```

# PRE-PACKAGED ANGULAR FACTORIES

AJAX and more!