AFNetworking + ReactiveCocoa

Validating Email Addresses (the user-friendly way)

AFHTTPRequestOperationManager *http;

```
[http GET:@"/events" parameters:@{@"since": @"2014-04-01"}
    success:^(AFHTTPRequestOperation *operation, id responseObject) {
        NSLog(@"Yay! Got: %@ / %@", operation, responseObject);
    } failure:^(AFHTTPRequestOperation *operation, NSError *error) {
        NSLog(@"Oops! %@", error);
    }];
```

AFHTTPRequestOperationManager *http;

```
[http GET:@"/events" parameters:@{@"since": @"2014-04-01"}
   success:^(AFHTTPRequestOperation *operation, id responseObject) {
       NSLog(@"Yay! Got: %@ / %@", operation, responseObject);
   } failure:^(AFHTTPRequestOperation *operation, NSError *error) {
       NSLog(@"Oops! %@", error);
   }];
[[http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}]
   subscribeNext:^(RACTuple *t) {
       AFHTTPRequestOperation *operation = t.first;
       id responseObject = t.second;
       NSLog(@"Yay! Got: %@ / %@", operation, responseObject);
   error:^(NSError *error) {
       NSLog(@"Oops! %@", error);
   }];
```

AFHTTPRequestOperationManager *http; [http GET:@"/events" parameters:@{@"since": @"2014-04-01"} success:^(AFHTTPRequestOperation *operation, id responseObject) { NSLog(@"Yay! Got: %@ / %@", operation, responseObject); } failure:^(AFHTTPRequestOperation *operation, NSError *error) { NSLog(@"Oops! %@", error); }]; [[http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}] subscribeNext:^(RACTuple *t) { AFHTTPRequestOperation *operation = t.first; id responseObject = t.second; NSLog(@"Yay! Got: %@ / %@", operation, responseObject);

error:^(NSError *error) {

}];

NSLog(@"Oops! %@", error);

AFHTTPRequestOperationManager *http;

[http GET:@"/events" parameters:@{@"since": @"2014-04-01"}

```
success:^(AFHTTPRequestOperation *operation, id responseObject) {
       NSLog(@"Yay! Got: %@ / %@", operation, responseObject);
   } failure:^(AFHTTPRequestOperation *operation, NSError *error) {
       NSLog(@"Oops! %@", error);
    }];
RACSignal *result = [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
[result
    subscribeNext:^(RACTuple *t) {
        AFHTTPRequestOperation *operation = t.first;
        id responseObject = t.second;
       NSLog(@"Yay! Got: %@ / %@", operation, responseObject);
    error:^(NSError *error) {
       NSLog(@"Oops! %@", error);
   }];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (BOOL)isFun;
- (NSString *)name;
@end

RACSignal *result = [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end

RACSignal *result = [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];

RACSignal *events = [result map:^NSArray *(RACTuple *t) {
    return [Event eventsFromJson:t.second];
}];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end
RACSignal *result = [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
RACSignal *events = [result map:^NSArray *(RACTuple *t) {
    return [Event eventsFromJson:t.second];
}];
RACSignal *funEvents = [events map:^Event *(NSArray *events) {
    return [events.rac_sequence filter:^B00L(Event *event) {
        return event.isFun;
    }].head;
}];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end
RACSignal *result = [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
RACSignal *events = [result map:^NSArray *(RACTuple *t) {
    return [Event eventsFromJson:t.second];
}];
RACSignal *funEvents = [events map:^Event *(NSArray *events) {
    return [events.rac_sequence filter:^B00L(Event *event) {
        return event.isFun;
    }].head;
}];
UILabel *funLabel;
RAC(funLabel, text) = [funEvents map:^(Event *funEvent) { return funEvent.name; }];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end
UIButton *button;

RACSignal *presses = [button rac_signalForControlEvents:UIControlEventTouchUpInside];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (BOOL)isFun;
- (NSString *)name;
@end

UIButton *button;

RACSignal *presses = [button rac_signalForControlEvents:UIControlEventTouchUpInside];

RACSignal *... = [presses map:^RACSignal *(id ignored) {
    return [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
}];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end

UIButton *button;

RACSignal *presses = [button rac_signalForControlEvents:UIControlEventTouchUpInside];

RACSignal *... = [[presses map:^RACSignal *(id ignored) {
    return [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
}] switchToLatest];
```

```
@interface Event : NSObject
+ (NSArray *)eventsFromJson:(NSDictionary *)json;
- (B00L)isFun;
- (NSString *)name;
@end
UIButton *button;
RACSignal *presses = [button rac_signalForControlEvents:UIControlEventTouchUpInside];
RACSignal *events = [[[presses map:^RACSignal *(id ignored) {
    return [http rac_GET:@"/events" parameters:@{@"since": @"2014-04-01"}];
}] switchToLatest]
map:^NSArray *(RACTuple *t) {
    return [Event eventsFromJson:t.second];
}];
```

Demo