Storyboarding meets BDD

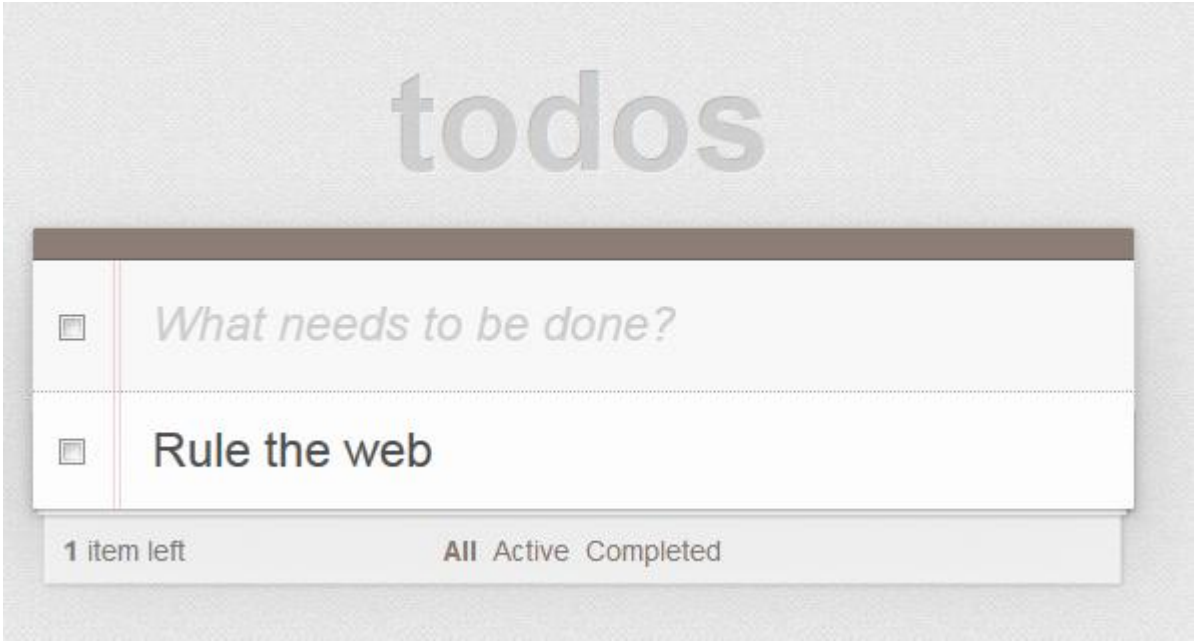
Frans Overbeek
frans.overbeek@capgemini.com

BDD is the best but the best can be improved.

Especially for frontend.

First, let me show you the issues.

Let’s make this app with BDD of course.



Step 1. write specs

Stories
As a user I want to manage my todos so that I can achieve more in my life.

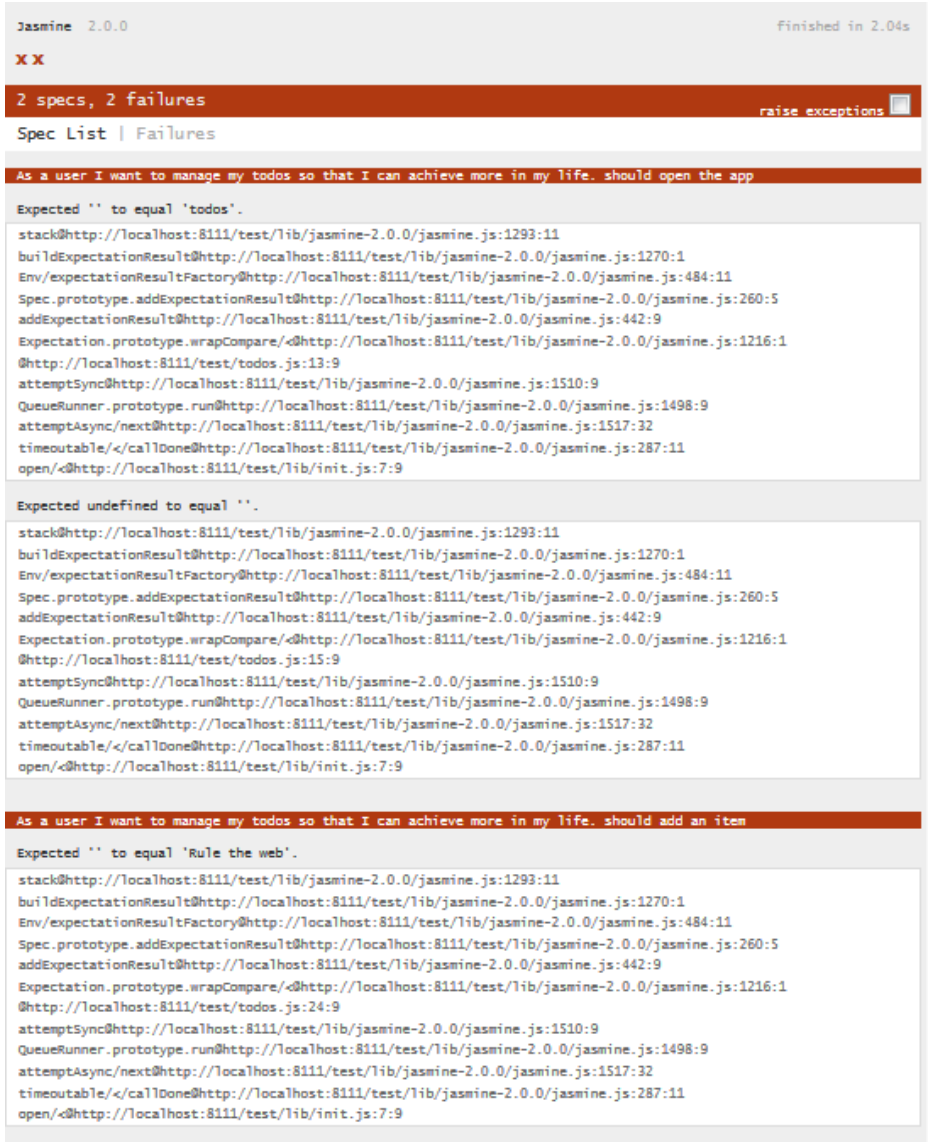
Scenarios
it should open the app
Given no app
when opening the app
then the title is shown
and the list is empty

it should add an item
Given an open app
when adding "Rule the web"
then "Rule the web" will shown in the list

Step 2. write tests

```
describe("As a user I want to manage my todos so that I can achieve more in my life.", function(){

    beforeEach(function(done){
        //when opening the app
        open(done);
    });
    afterEach(function(){
        //Given no app
        close();
    });
    it("should open the app", function(){
        //then the title is shown
        expect($('h1').text()).toEqual('todos');
        //and the list is empty
        expect($('ul').html()).toEqual('');
    });

    it("should add an item", function(){
        //when adding "Rule the web"
        $('input').val("Rule the web");
        $('form').submit();

        //then "Rule the web" will shown in the list
        expect($('ul li').text()).toEqual('Rule the web');
    });

});
```

Step 3. make it red.



Step 4. write the app.

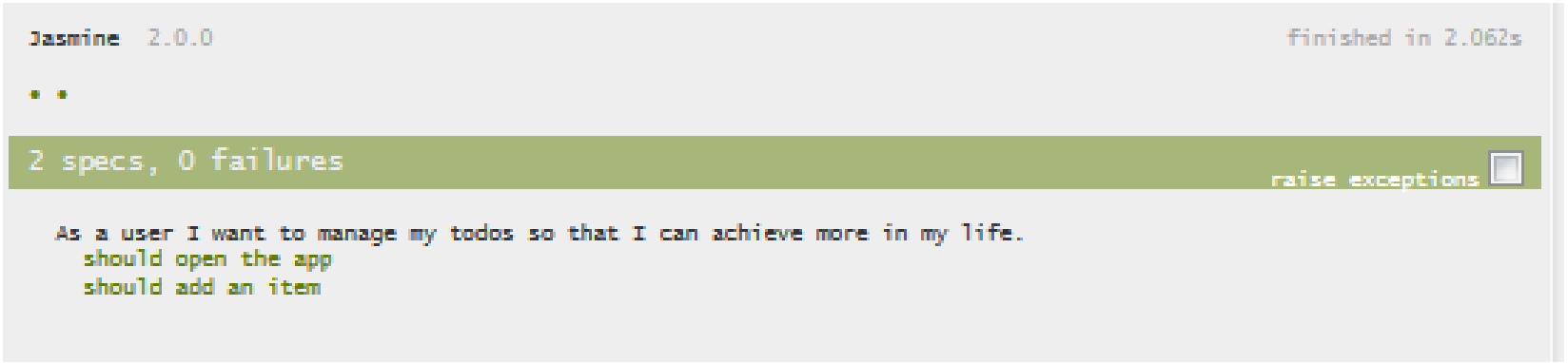
HTML

```
<!DOCTYPE>
<HTML>
  <head>
    <link rel="stylesheet" type="text/css" href="css/base.css" />
    <script src="lib/jquery-2.1.0.min.js"></script>
  </head>
  <body>
    <h1>todos</h1>
    <ul></ul>
    <form>
      <input/>
    </form>
    <script src='js/app.js'></script>
  </body>
</HTML>
```

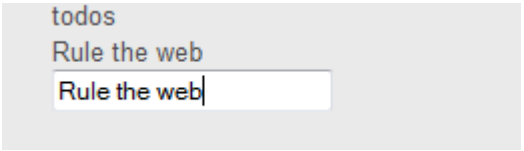
JS

```
$(document).ready(function(){
  $('form').submit(function(event){
    event.preventDefault();
    $('ul').append('<li><div class="view"><label>' + $('input').val() +
      '</label></div></li>');
  });
});
```

Step 5. make it green.



The result



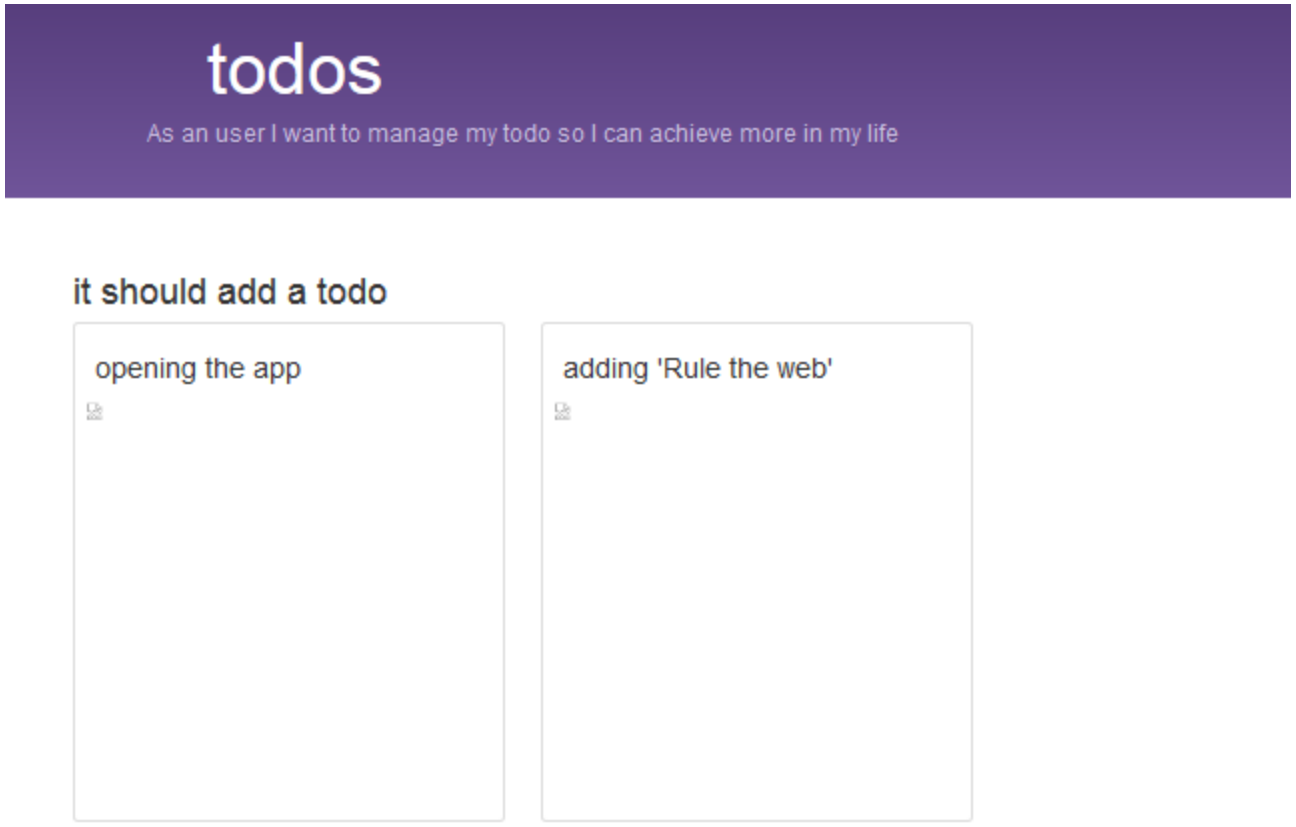
No!! We can’t sent this to production.

No worries I will improve.

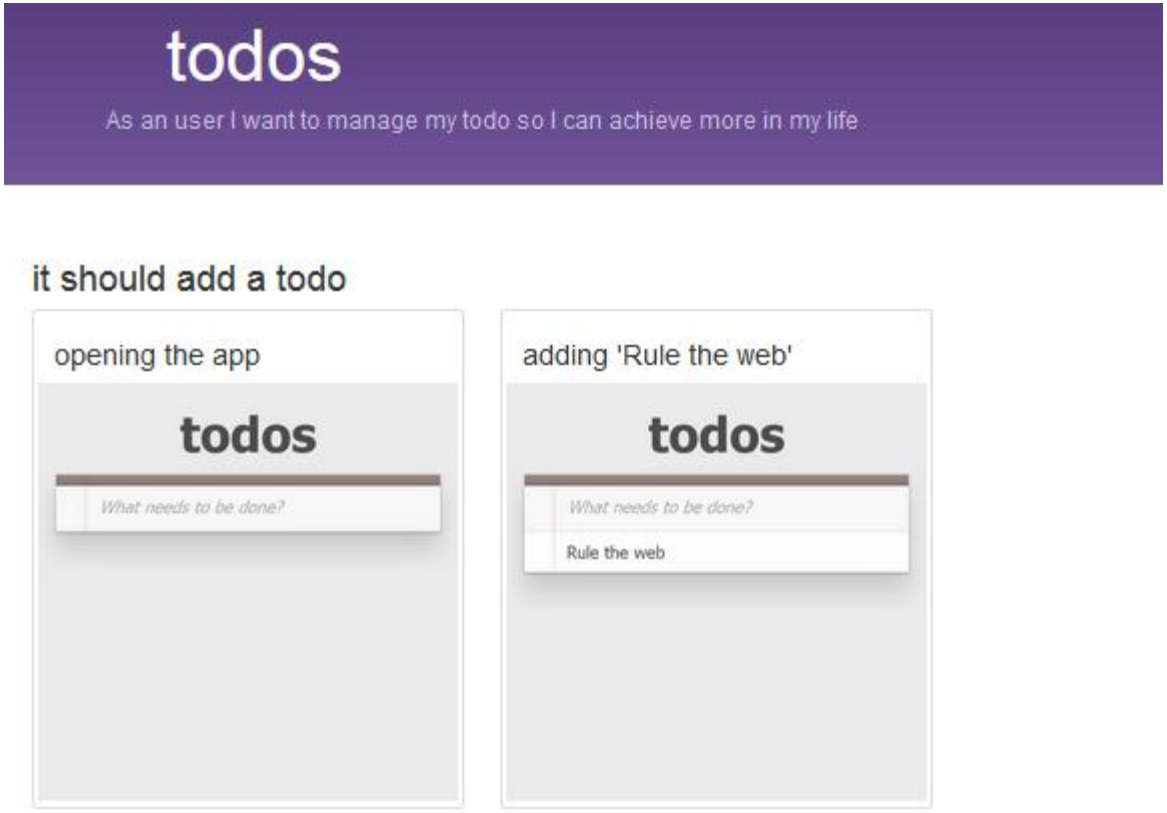
What are the issues?

- Over complex test scripts.
- No tests for styling.
- Unreadable specs for the business.

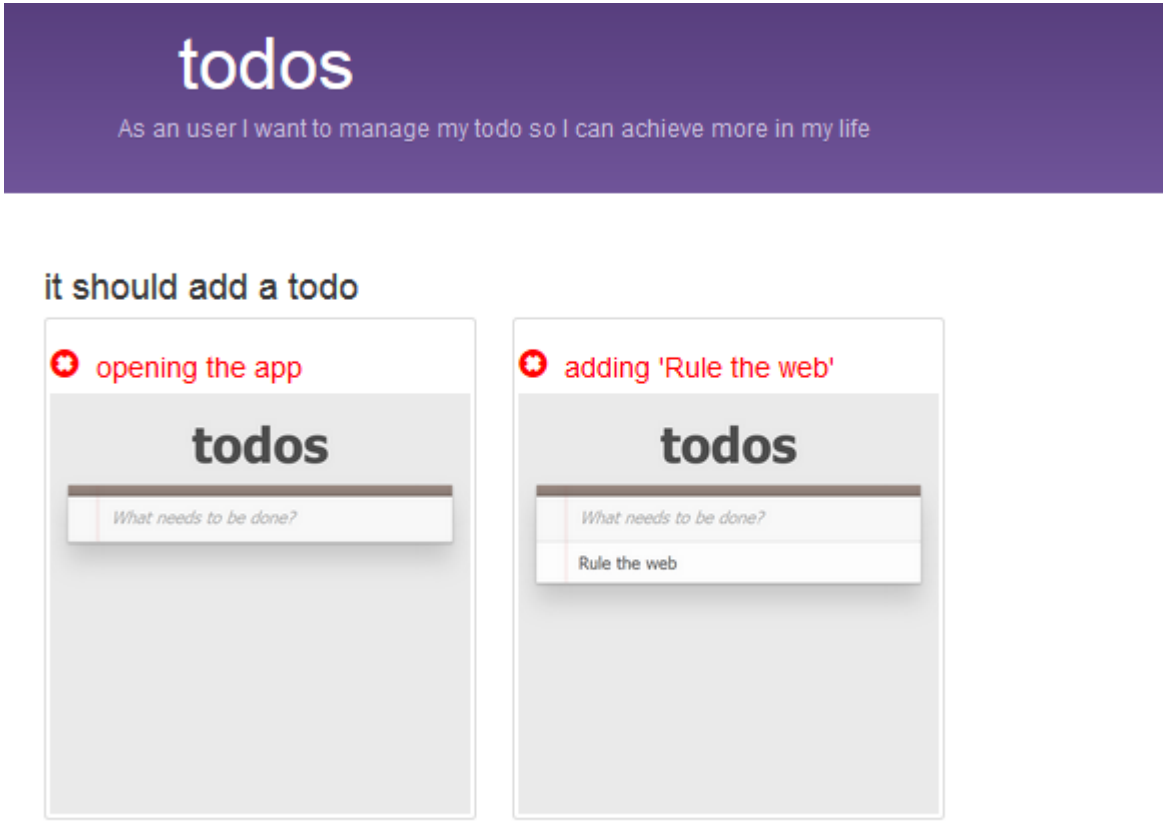
Step 1. reuse specs in storyboard



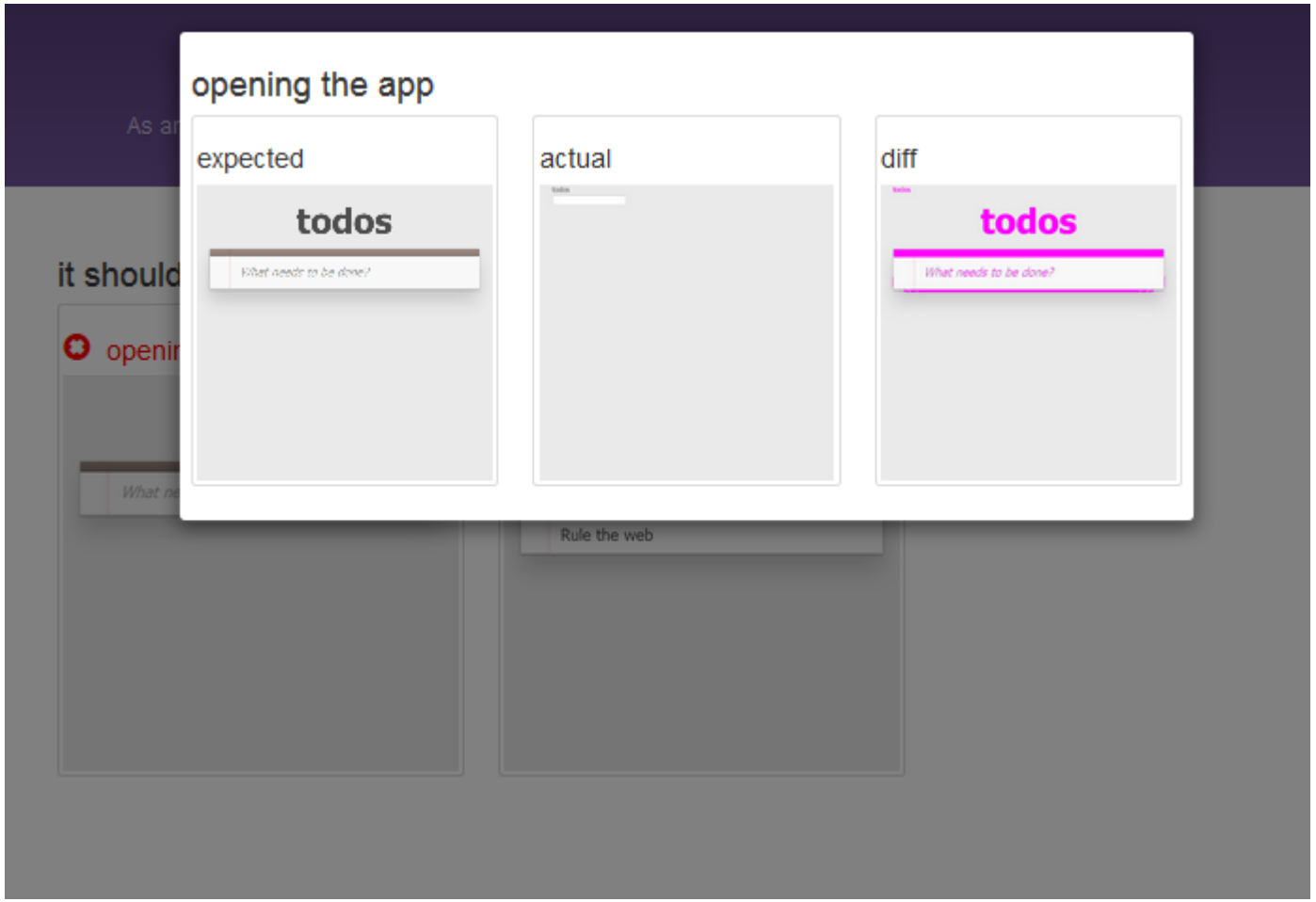
Step 2. create views



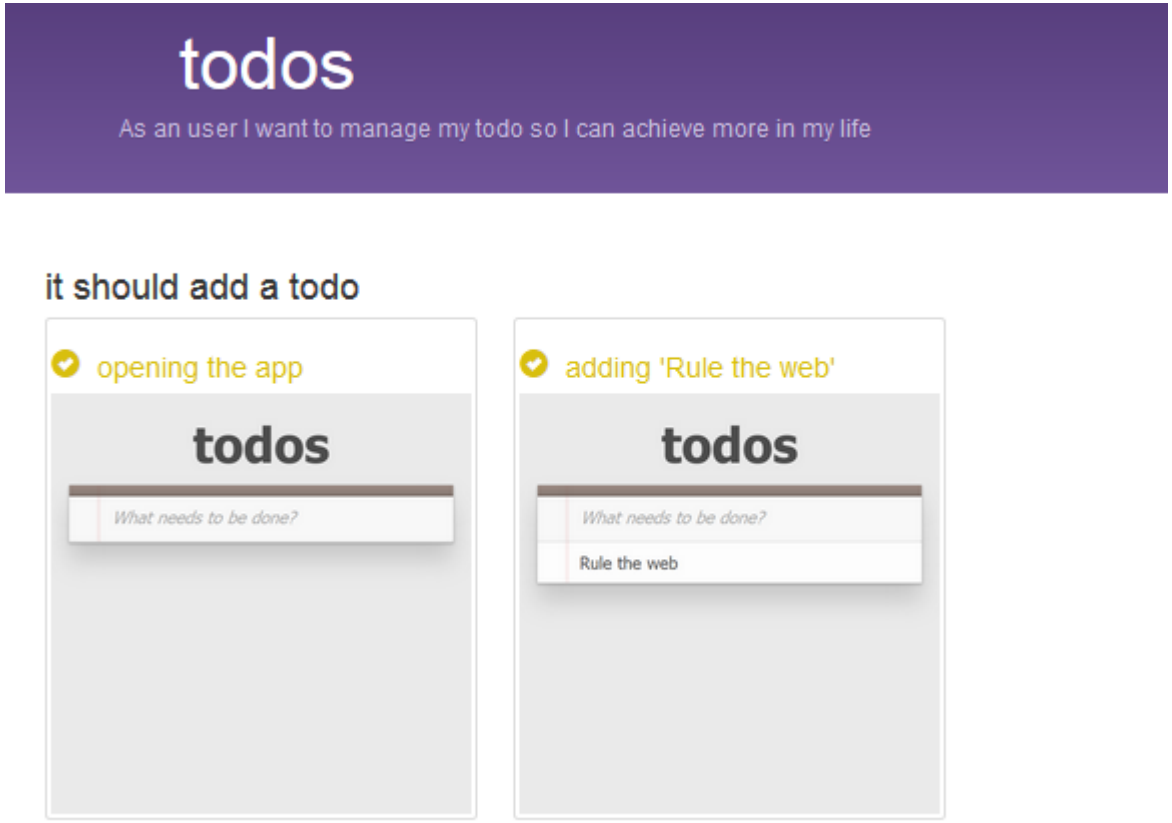
Step 3. make it red



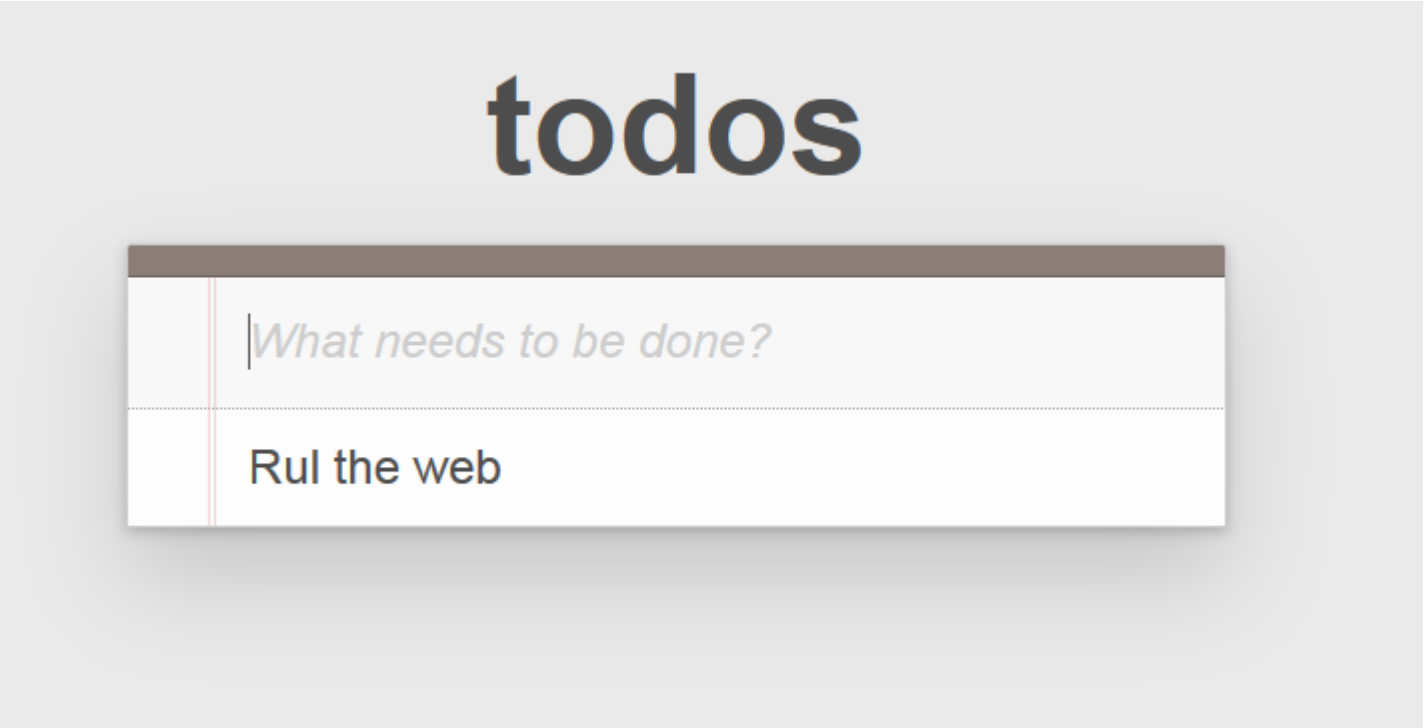
Step 3. what is wrong?



Step 4. make it green.



The result



Yes!! Let’s rule the web.

Yes it is on GITHUB

https://github.com/ov0364/xp2014_todos

Very Special Thanks

Jasmine

PhantomCSS

CasperJs

PhantomJs

Bootstrap

Mustache

JQuery

TodoMVC