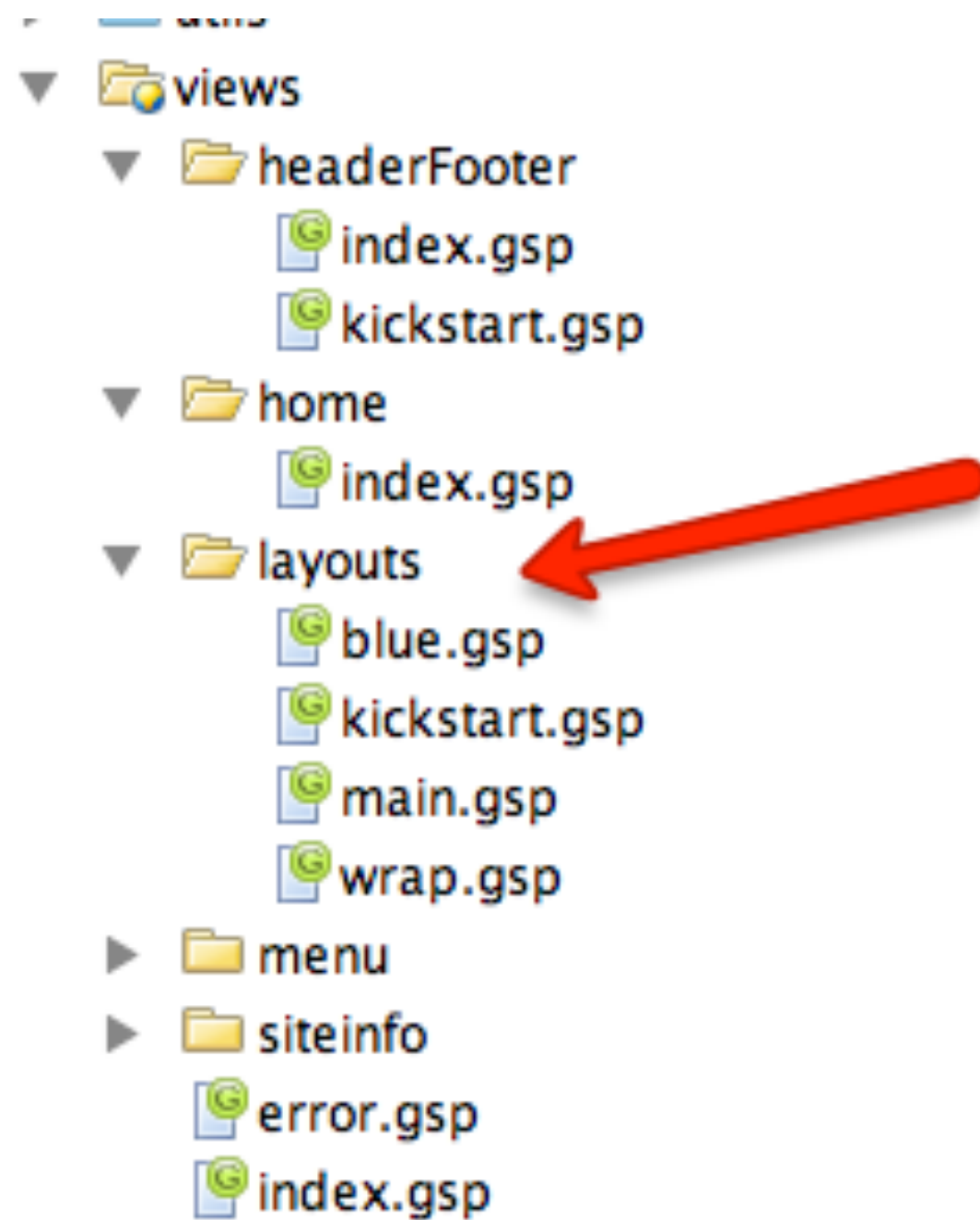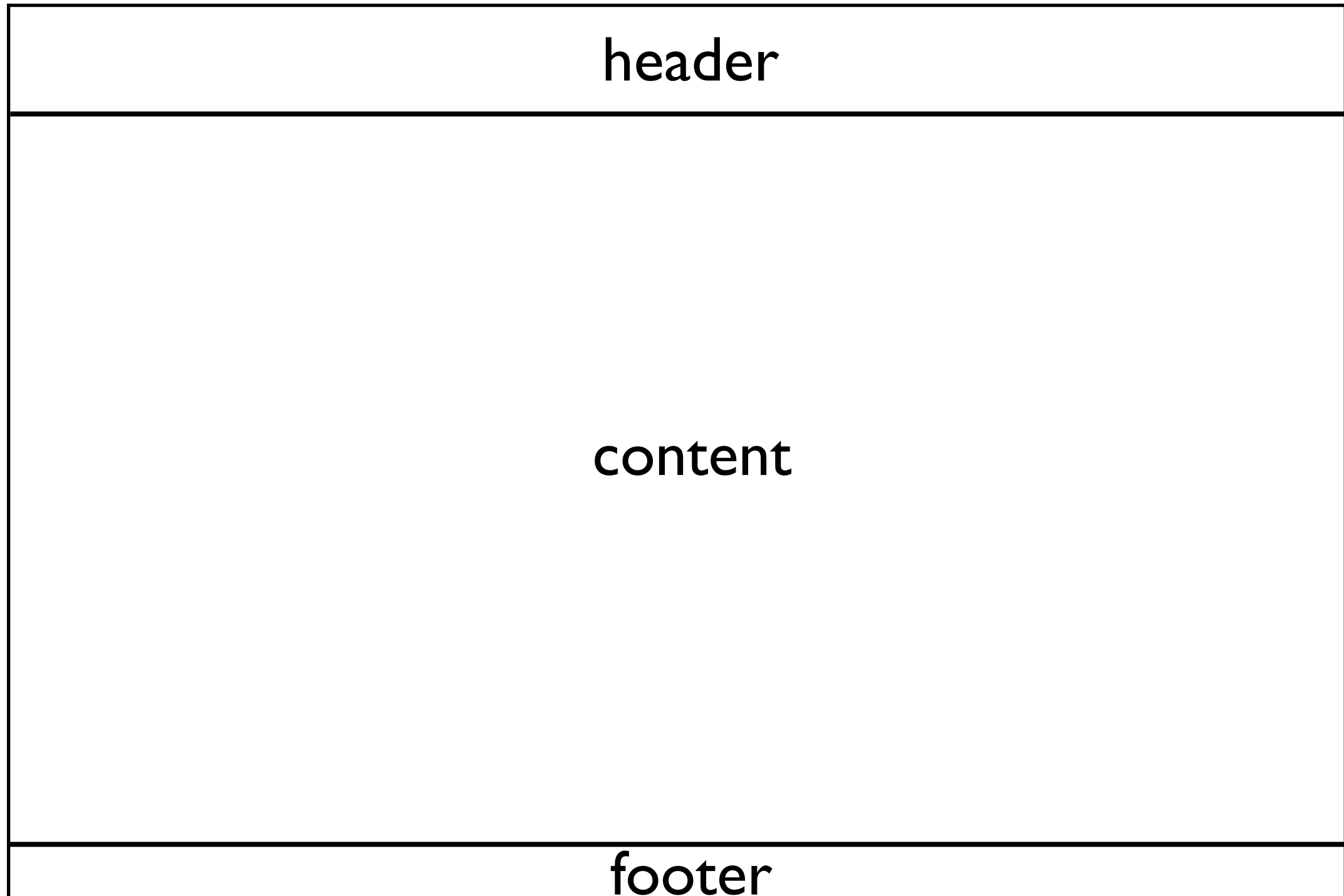# SiteMesh

SiteMesh

- SiteMesh is a web-page layout framework
- Provides a consistent look/feel, navigation and layout scheme
- DRY - define layout in one place, reuse it in many places
- Many different layouts can be defined

2

Layout Basics

3

decorator

header
content
footer

grails-app/views/layouts/wrap.gsp

```
1    <!doctype html>
2    <head>
3        <title><g:layoutTitle default="Grails"/></title>
4        <g:layoutHead/>
5        <r:layoutResources/>
6    </head>
7    <body>
8    <div style="background-color: gray;">
9        Header Goes Here
10   </div>
11
12   <g:layoutBody/>
13
14   <div style="background-color: gray;">
15       Footer Goes Here
16   </div>
17   <r:layoutResources/>
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19   </html>
```

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9

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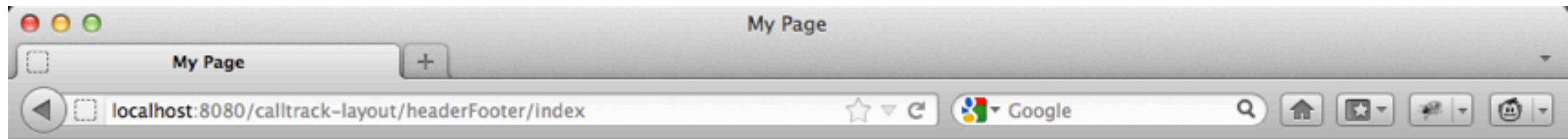
10

grails-app/views/example/index.gsp

```
1    <%@ page contentType="text/html;charset=UTF-8" %>
2    <html>
3    <head>
4        <title>My Page</title>
5        <meta name="layout" content="wrap">
6    </head>
7
8    <body>
9
10   <p>Main Content Goes Here</p>
11
12   </body>
13   </html>
```

grails-app/views/example/index.gsp

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1    <%@ page contentType="text/html;charset=UTF-8" %>
2    <html>
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4        <title>My Page</title>
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6    </head>
7
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9
10   <p>Main Content Goes Here</p>
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12   </body>
13   </html>
```

12

My Page

My Page

localhost:8080/calltrack-layout/headerFooter/index   Google

Header Goes Here

Main Content Goes Here

Footer Goes Here

YSlow

Specifying Layout

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meta tag

```
1    <%@ page contentType="text/html;charset=UTF-8" %>
2    <html>
3    <head>
4        <title>My Page</title>
5        <meta name="layout" content="wrap">
6    </head>
7
8    <body>
9
10   <p>Main Content Goes Here</p>
11
12   </body>
13   </html>
```

15

controller

```
1    package calltrack
2
3    class LayoutController {
4
5        static layout = 'layoutoverride'
6
7        def index = { }
8    }
9
```

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convention

- given: BookController, if you define

  - /views/layouts/**book**.gsp - it will apply to **all views** of the BookController

  - /views/layouts/**book**/*create*.gsp - it will apply to the **create** view of the BookController
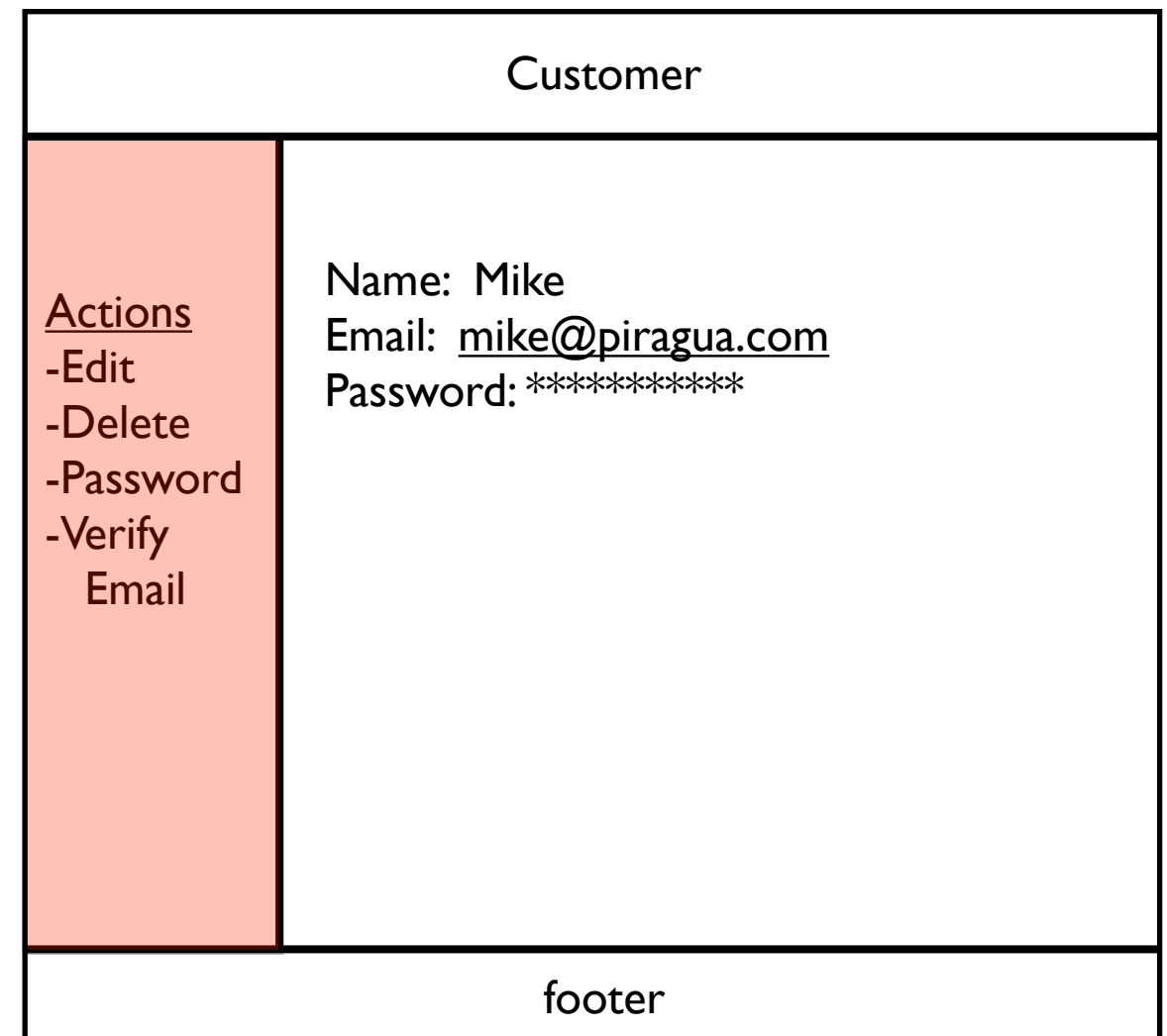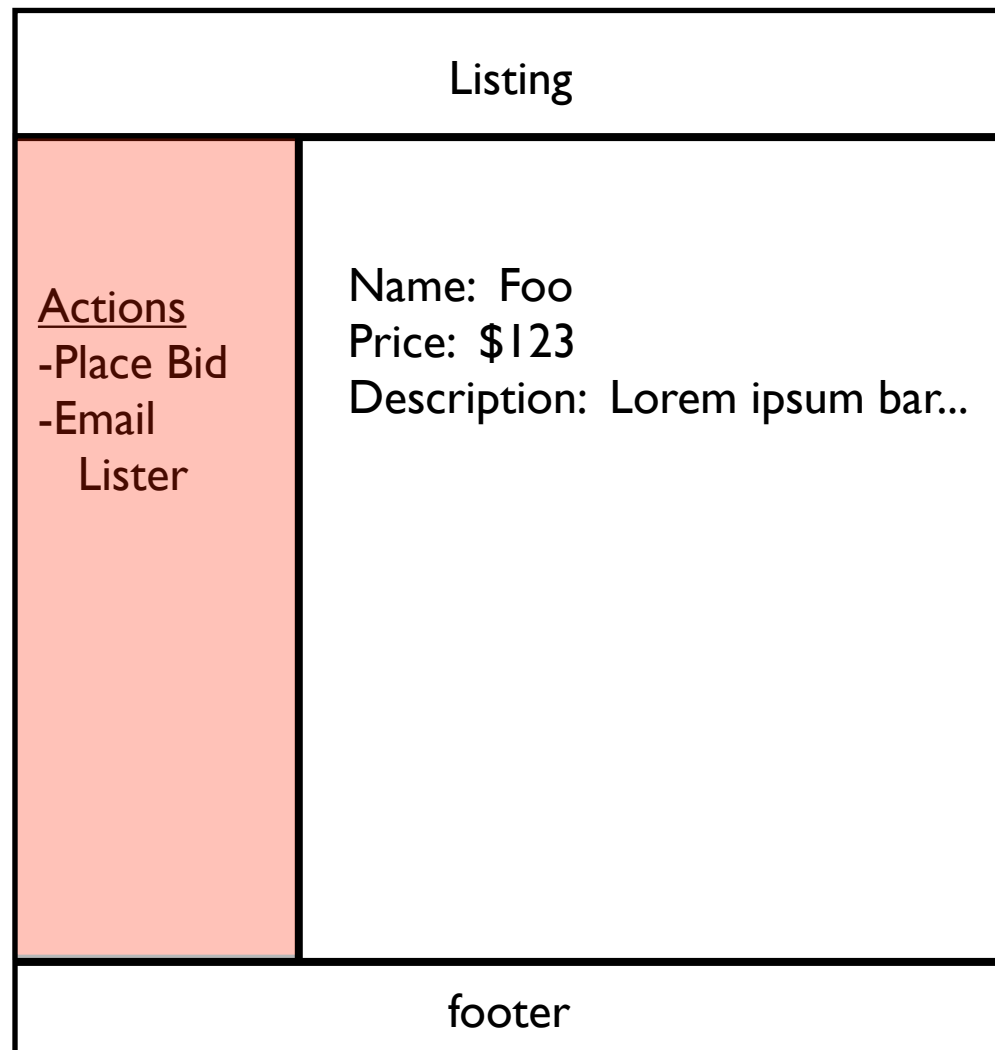
17

Content Blocks

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sidebar

Customer	
Actions -Edit -Delete -Password -Verify Email	Name: Mike Email: mike@piragua.com Password: ***********
footer	

sidebar

Listing	
Actions -Place Bid -Email Lister	Name: Foo Price: $123 Description: Lorem ipsum bar...
footer	

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Listing

Actions
-Place Bid
-Email
  Lister

Name: Foo
Price: $123
Description: Lorem ipsum bar...

footer

Customer

Actions
-Edit
-Delete
-Password
-Verify
  Email

Name: Mike
Email: mike@piragua.com
Password: **********

footer

- only difference is the sidebar

- how do you reuse the layout but provide different content for the sidebar?

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SiteMesh Content Blocks

- Apply the main layout, but have a custom content area defined by the page itself
- Define a page property in the layout
  - preface name of the property with page. (e.g. **page.**sidebar)

```
<g:pageProperty name="page.sidebar"/>
```

- Define a content block in the view

```
<content tag="sidebar">
    %{--Sidebar Content Goes here--}%
</content>
```

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