

HTML5 and CSS3 for Mobile Applications

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Introducing Rails

Objectives for today

- Introduce Model, View, Controller (MVC)
- Build two simple pages and link them



Controller

View

Model

Database

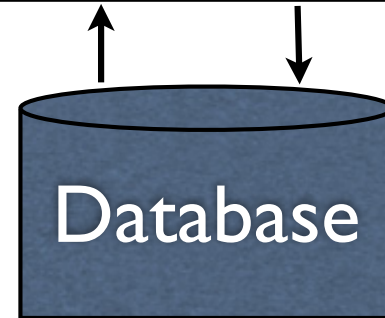
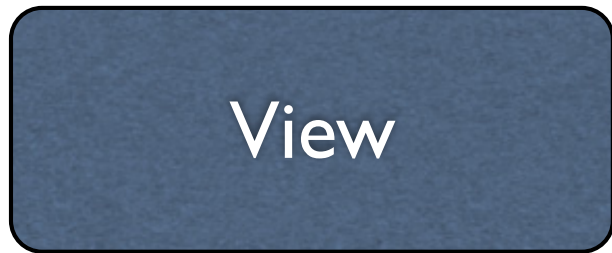
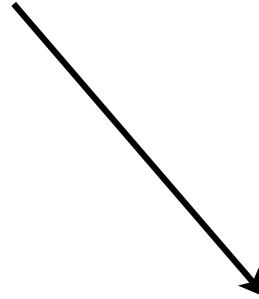
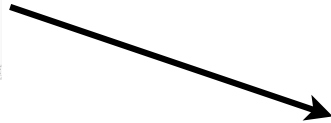


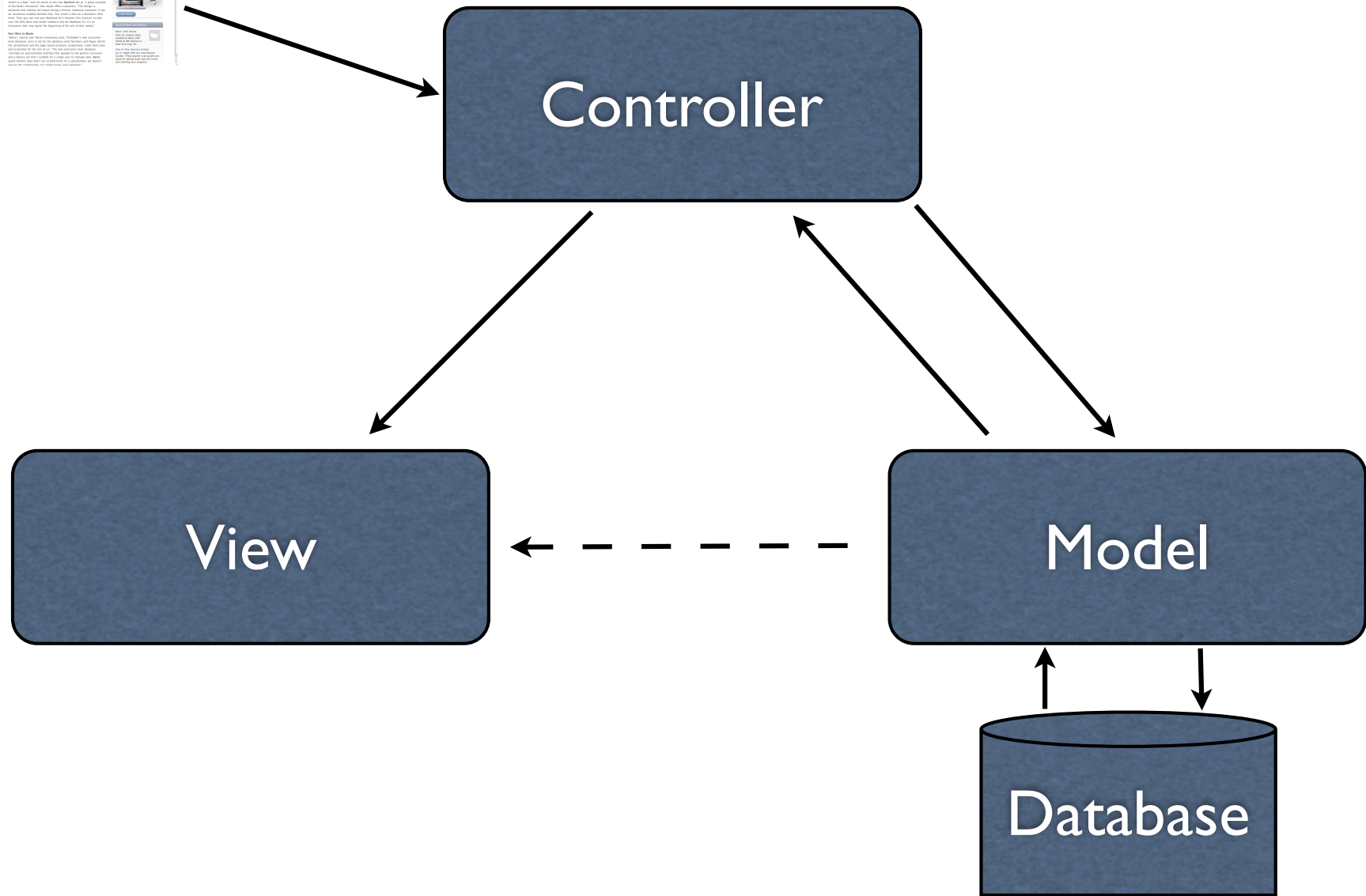
Controller

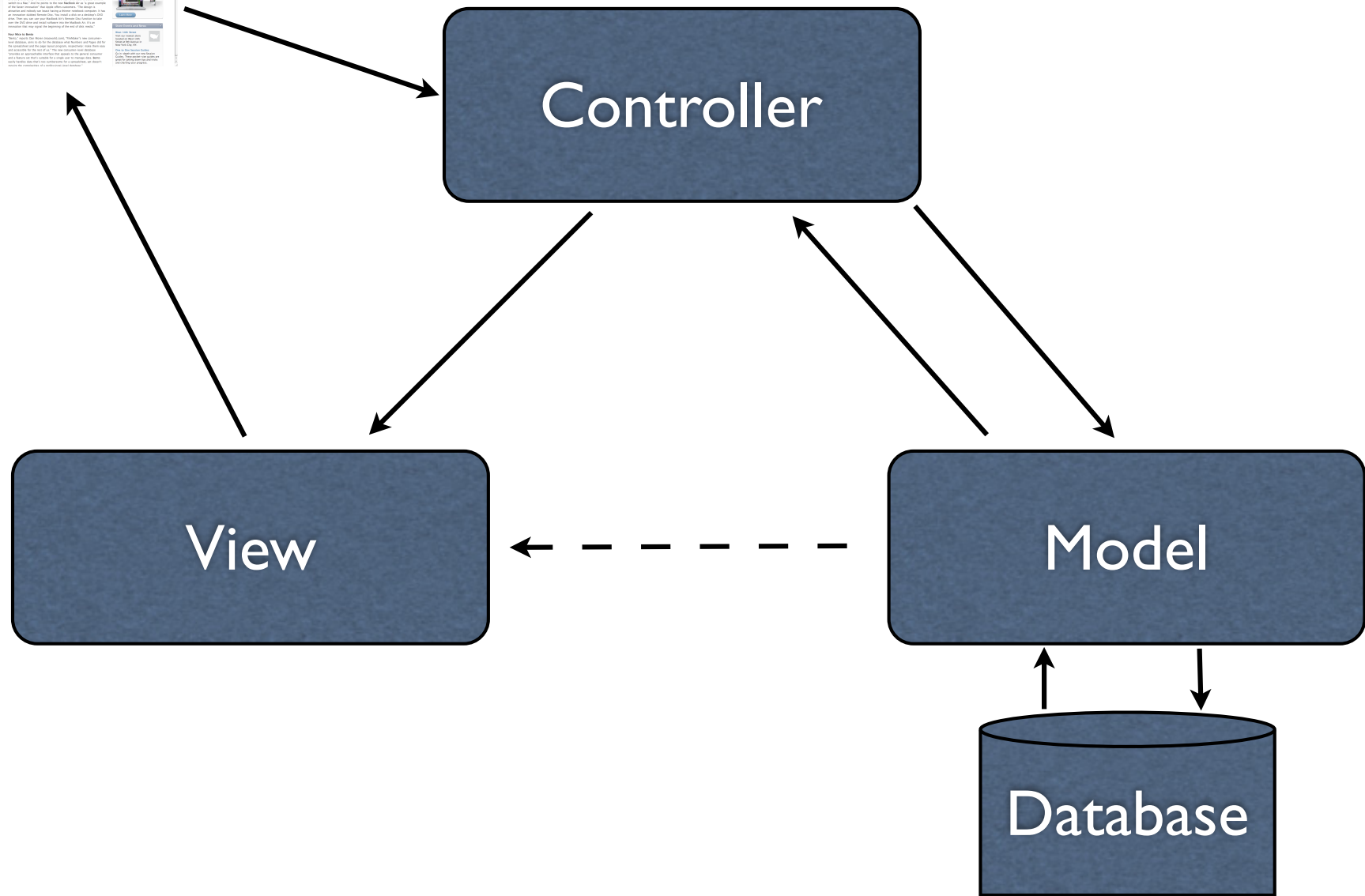
View

Model

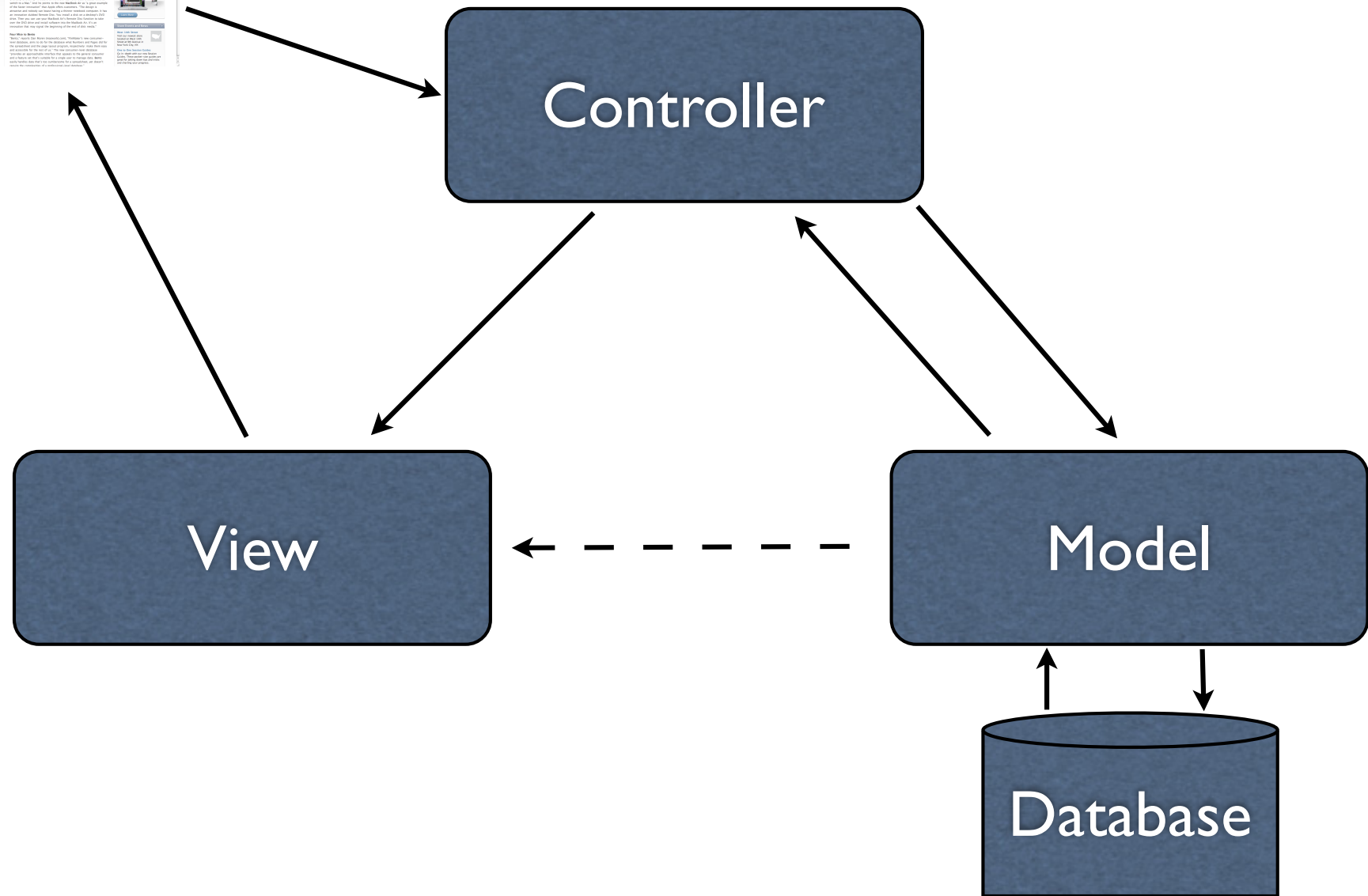
Database







http://my.url.com/store/add_to_cart/123



generate controller “say”

- `exists app/controllers/`
- `exists app/helpers/`
- `create app/views/say`
- `exists test/functional/`
- `create app/controllers/say_controller.rb`
- `create test/functional/say_controller_test.rb`
- `create app/helpers/say_helper.rb`

```
class SayController < ApplicationController
```

```
  def hello
```

```
  end
```

```
end
```

hello.html.rb

```
<h1>Hello From Rails!</h1>
```

```
<p>
```

```
  Well, that's a start!
```

```
</p>
```

<h1>Hello From Rails!</h1>

Addition: <%= 1+2 %>

Concatenation: <%= "cow" + "boy" %>

Time in one hour: <%= 1.hour.from_now %>


```
<body>
```

```
  <h1>Hello From Rails!</h1>
```

```
<% 3.times do %>
```

```
  Ho!<br>
```

```
<% end %>
```

```
Merry Christmas!
```

```
</body>
```

```
<body>
```

```
  <h1>Hello From Rails!</h1>
```

```
  Ho!<br>
```

```
  Ho!<br>
```

```
  Ho!<br>
```

```
Merry Christmas!
```

```
</body>
```

```
<head>
  <title>Hello, Rails!</title>
</head>
<body>
  <h1>Hello From Rails!</h1>

  <% 3.downto(1) do |count| %>
    <%= count %>...<br>
  <% end %>
  Lift Off!
</body>
```

```
<head>
  <title>Hello, Rails!</title>
</head>
<body>
  <h1>Hello From Rails!</h1>

  3...<br>
  2...<br>
  1...<br>
  Lift Off!
</body>
```

<body>

<h1>Hello From Rails!</h1>

Email: <%= ("Ann & Bill <frazers@isp.com>")%>

</body>



http://localhost:3000/say/hello

Google

Apple Amazon Gardening News MSN Music National Rail Natural History UniS Yahoo!

Hello From Rails!

3...

2...

1...

Lift Off!

Email: Ann & Bill

Email: <%= h("Ann & Bill <frazers@isp.com>")%>

generates:

Email: Ann & Bill <frazers@isp.com>;

```
<head>
```

```
  <title>Hello, Rails!</title>
```

```
</head>
```

```
<body>
```

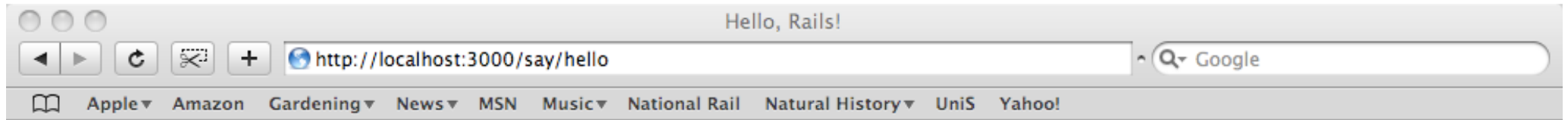
```
  <h1>Hello From Rails!</h1>
```

```
<p>
```

```
  It is now <%= Time.now %>
```

```
</p>
```

```
</body>
```



Hello From Rails!

It is now Fri Feb 15 14:58:46 GMT 2008

say_controller.rb

```
class SayController
  < ApplicationController
    def hello
      @time = Time.now
    end
  end
end
```

hello.rhtml

```
<head>
  <title>Hello, Rails!</title>
</head>
<body>
  <h1>Hello From Rails!</h1>
  <p>
    It is now <%= @time %>
  </p>
</body>
```

```
class SayController < ApplicationController  
  def hello  
  
  end  
  
  def goodbye  
  
  end  
end
```

View/say/goodbye.html.erb

```
<body>
```

```
  <h1>Goodbye!</h1>
```

```
<p>
```

```
  See you later!
```

```
</p>
```

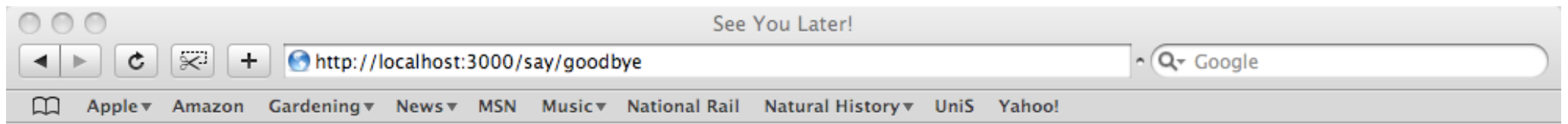
```
</body>
```

In: /config/routes.rb

```
TrivialApp::Application.routes.draw do
```

```
  get "say/hello"
```

```
  get "say/goodbye"
```



Goodbye!

It was nice seeing you.

say/hello.html.erb

```
<body>
  <h1>Hello From Rails!</h1>

  <p>
    It is now <%= @time %>
  </p>

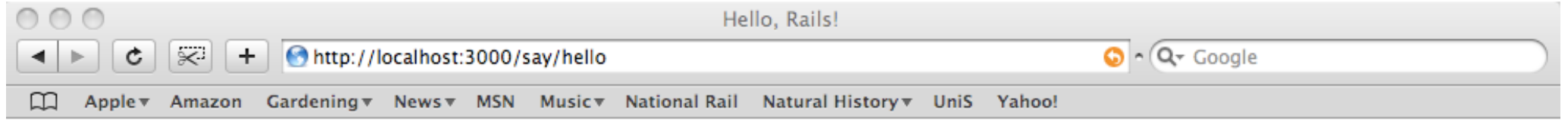
  <p>
    Time to say
    <%= link_to "Goodbye!", :action => "goodbye" %>
  </p>
</body>
```

say/goodbye.html.erb

```
<body>
  <h1>Goodbye!</h1>

  <p>
    It was nice seeing you.
  </p>

  <p>
    Say
    <%= link_to "Hello", :action => "hello" %>
  </p>
</body>
```

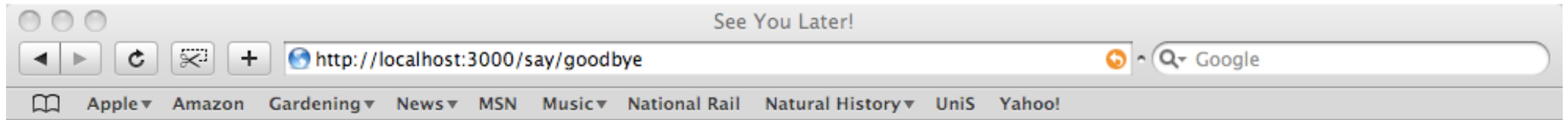


Hello From Rails!

It is now Fri Feb 15 15:20:58 GMT 2008

Time to say [Goodbye!](#)





Goodbye!

It was nice seeing you.

Say [Hello](#)

Summary

You have seen how to link two pages together in the Rails environment. In the next lecture we will explore some more features of Rails in the development of a simple static web site.