

Coding for Development and Social Change, Oct 2014

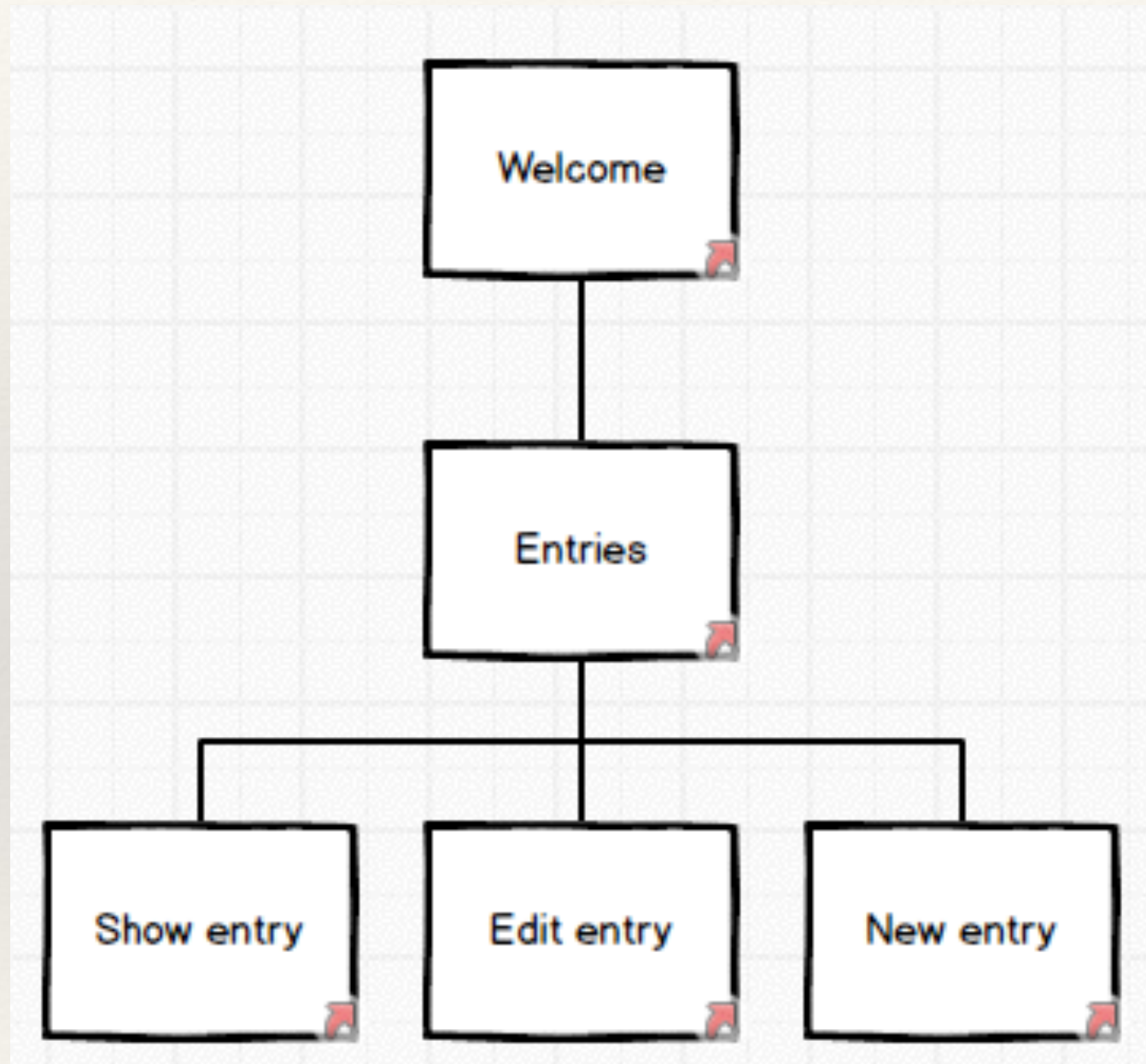
Review

Recap of the last day's work

Prerequisites

- ❖ Rails example session completed

Yesterday we built an app (yay!)



In the Terminal Window, we did this:

- ❖ Create an app: **rails new diary**
- ❖ Create a model: **rails generate model Entry title:string date:date contents:text** then **rake db:migrate**
- ❖ Create a controller: **rails generate controller Entries**
- ❖ Check the app's routes: **rake routes**
- ❖ Start the rails server: **rails server**
- ❖ Start the rails console: **rails console**

We edited the router file (config/routes.erb):

- ❖ `root 'welcome#index'`

- ❖ `resources 'entries'`

In the rails console, we did this:

- ❖ `Entry.create "title" => "First day of class", "date" => Date.new(2014, 11, 14), "contents" => "Started coding for development and social change today"`
- ❖ `Entry.all`

And we added and edited these files:

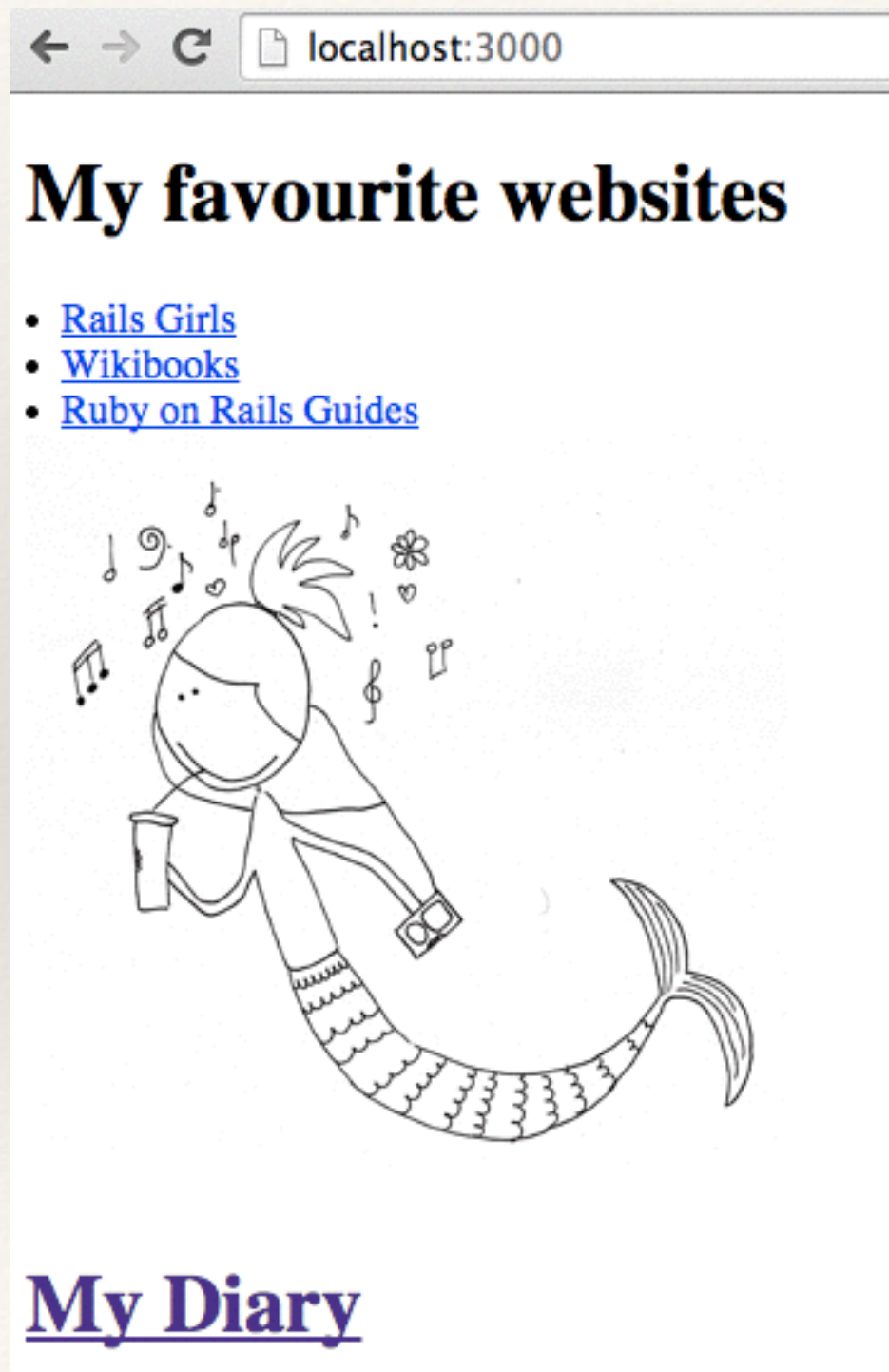
- ❖ Welcome:

- ❖ `app/controllers/welcome_controller.rb`
- ❖ `app/views/welcome/index.html.erb`

- ❖ Entries:

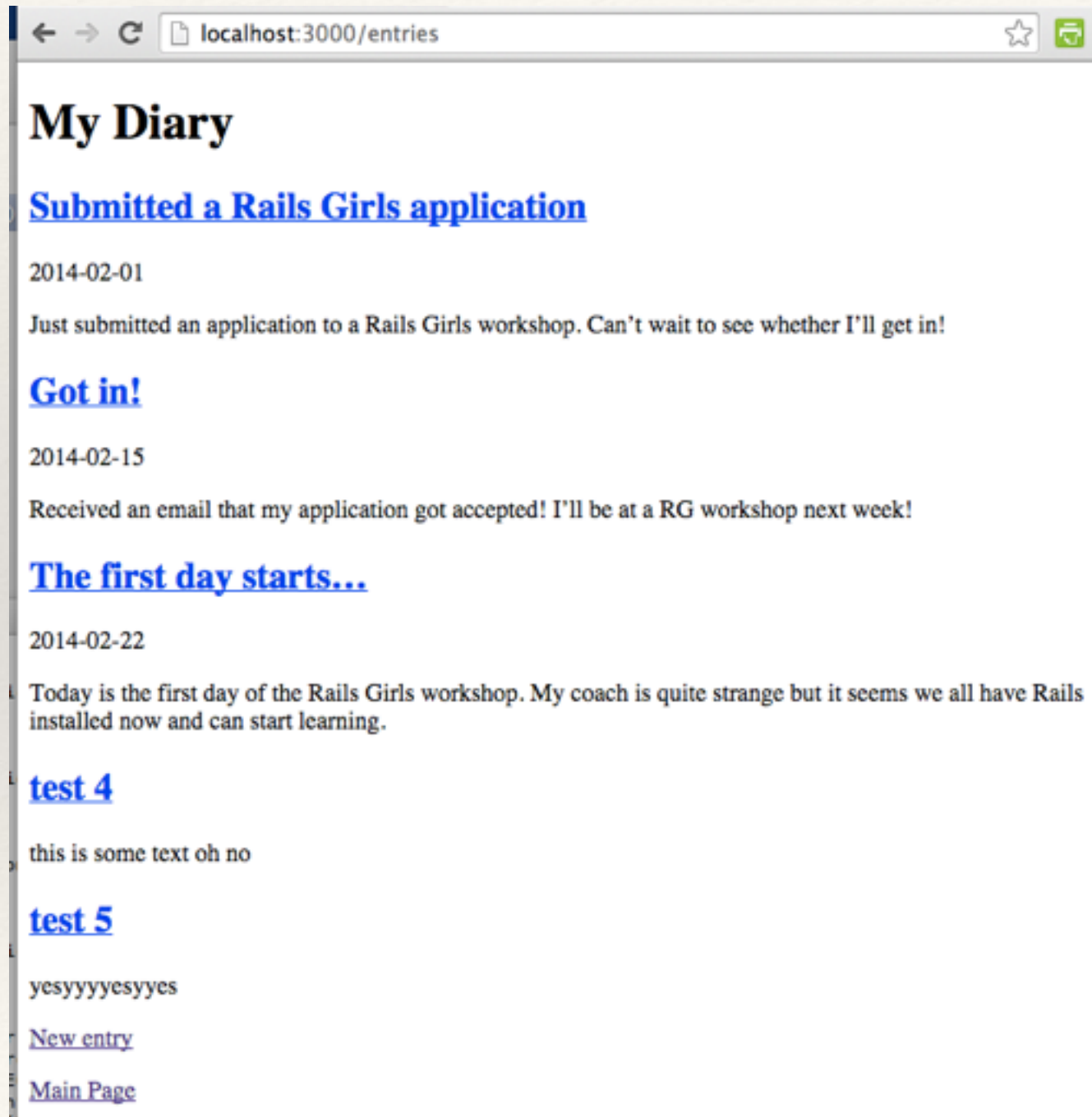
- ❖ `app/controllers/entries_controller.rb`
- ❖ `app/views/entries/index.html.erb`
- ❖ `app/views/entries/show.html.erb`
- ❖ `app/views/entries/new.html.erb`
- ❖ `app/views/entries/edit.html.erb`

To create these views: Main page



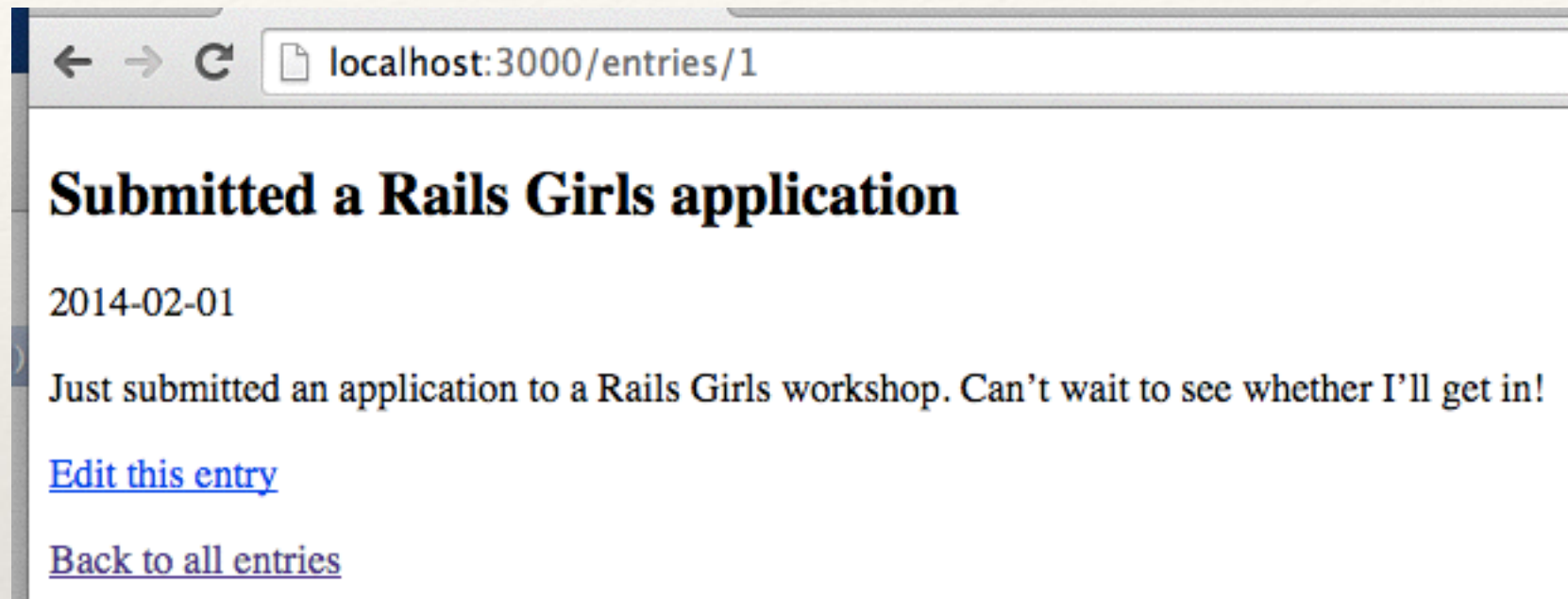
```
index.html.erb
1 <div>
2   <h1>My favourite websites</h1>
3   <% for url, name in @websites %>
4     <li><a href="<%= url %>"><%= name %></a></li>
5   <% end %>
6 </div>
7 
8 <h1><%= link_to("My Diary", entries_path) %></h1>
9
```


Entries index



```
index.html.erb
1 <h1>My Diary</h1>
2
3 <% for entry in @entries %>
4   <h2><%= link_to(entry.title, entry_path(entry)) %></h2>
5   <p><%= entry.date %></p>
6   <p><%= entry.contents %></p>
7 <% end %>
8
9 <%= link_to("New entry", new_entry_path) %>
10
11 <p><%= link_to("Main Page", welcome_index_path) %>
```

Entry view



```
show.html.erb
1 <h2><%= @entry.title %></h2>
2   <p><%= @entry.date %></p>
3   <p><%= @entry.contents %></p>
4
5   <p><%= link_to("Edit this entry", edit_entry_path(@entry)) %></p>
6
7   <p><%= link_to("Back to all entries", entries_path) %></p>
8
```


Entry edit

← → ↻ localhost:3000/entries/1/edit

Title

Contents

[Back to this entry](#)

[Back to all entries](#)

```
edit.html.erb
1 <%= form_for(@entry) do |form| %>
2   <p><%= form.label("title") %></p>
3   <p><%= form.text_field("title") %></p>
4   <p><%= form.label("contents") %></p>
5   <p><%= form.text_area("contents") %></p>
6   <p><%= form.submit %></p>
7 <% end %>
8 <p><%= link_to("Back to this entry", entry_path(@entry)) %></p>
9 <p><%= link_to("Back to all entries", entries_path) %></p>
```


New Entry

← → ↻ localhost:3000/entries/new

Title

Contents

Create Entry

[Back to all entries](#)

```
new.html.erb
1 |<%= form_for(Entry.new) do |form| %>
2 |   <p><%= form.label("title") %></p>
3 |   <p><%= form.text_field("title") %></p>
4 |   <p><%= form.label("contents") %></p>
5 |   <p><%= form.text_area("contents") %></p>
6 |   <p><%= form.submit %></p>
7 | <% end %>
8 | <p><%= link_to("Back to all entries", entries_path) %></p>
```

With a controller for the front page

```
welcome_controller.rb ✕  
1 class WelcomeController < ApplicationController  
2   def index  
3     @entries = Entry.all  
4     @websites = [  
5       ["http://railsgirls.com", "Rails Girls"],  
6       ["https://en.wikibooks.org/wiki/Ruby_Programming", "Wikibooks"],  
7       ["http://guides.rubyonrails.org", "Ruby on Rails Guides"],  
8     ]  
9   end  
10 end  
11
```


And a controller for the diary entries

```
entries_controller.rb ✕
1 class EntriesController < ApplicationController
2
3   def index
4     @entries = Entry.all
5   end
6
7   def show
8     @entry = Entry.find(params["id"])
9   end
10
11  def create
12    #render(:text => params.inspect)
13    entry_params = params["entry"].permit("title", "contents")
14    entry = Entry.create(entry_params)
15    redirect_to(entry_path(entry))
16  end
17
18  def edit
19    @entry = Entry.find(params["id"])
20  end
21
22  def update
23    entry_params = params["entry"].permit("title", "contents")
24    entry = Entry.find(params["id"])
25    entry.update(entry_params)
26    redirect_to(entry_path(entry))
27  end
28
29 end
30
```

Your Turn...

- ❖ Design exercise:
 - ❖ Sitemap
 - ❖ User stories (features)
 - ❖ Minimum Viable Product