

Web Development

Produced
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Play: Routes, Controller and Views

Lab 03: Exercise - Active Tab

If you look at the nav bar you will notice that there is no concept of an 'active' tab as such. i.e. user cannot clearly see which tab they have just selected.

The reason of this is that none of the `` elements are have `class="ui active item"` (check the lab05-project to see what this looks like).

```
<nav class="ui menu">
  <a class="ui active item" href="/home">Home</a>
  <a class="ui item" href="/members">Members</a>
  <a class="ui item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>
```

See if you can make the necessary changes so that each menu item is activated appropriately.

Spacebook

Home

Members

Profile

Logout

Spacebook

Home

Members

Profile

Logout

Spacebook

Home

Members

Profile

Logout

Lab 06: Exercise 1 Solution

Currently, each page has an identical navigation bar - with none of the nav items marked active. We would to rework the navigation to fix this - i.e. have each navigation bar customised to each view.

views/Home/index.html

```
<nav class="ui menu">
  <a class="ui active item" href="/home">Home</a>
  <a class="ui item" href="/members">Members</a>
  <a class="ui item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>
```

views/Members/index.html

```
<nav class="ui menu">
  <a class="ui item" href="/home">Home</a>
  <a class="ui active item" href="/members">Members</a>
  <a class="ui item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>
```

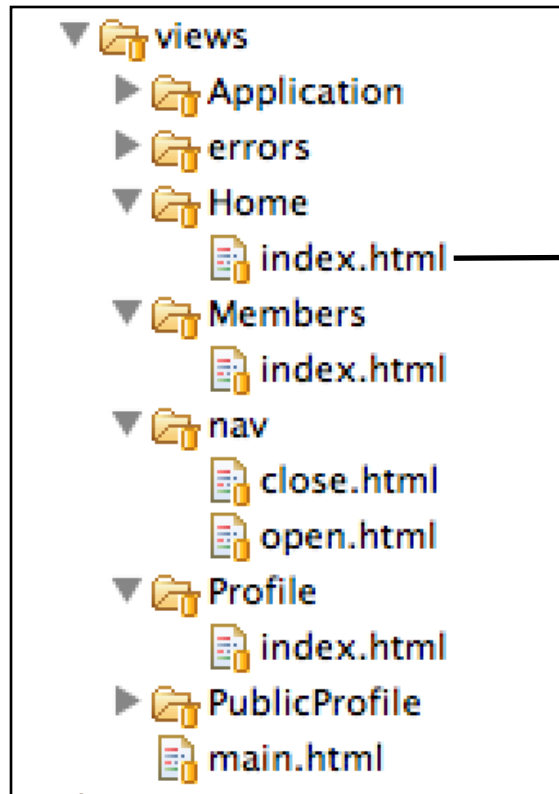
views/Profile/index.html

```
<nav class="ui menu">
  <a class="ui item" href="/home">Home</a>
  <a class="ui item" href="/members">Members</a>
  <a class="ui active item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>
```

Lab 04 :

- Enhance the app to implement a simple UX based in static content

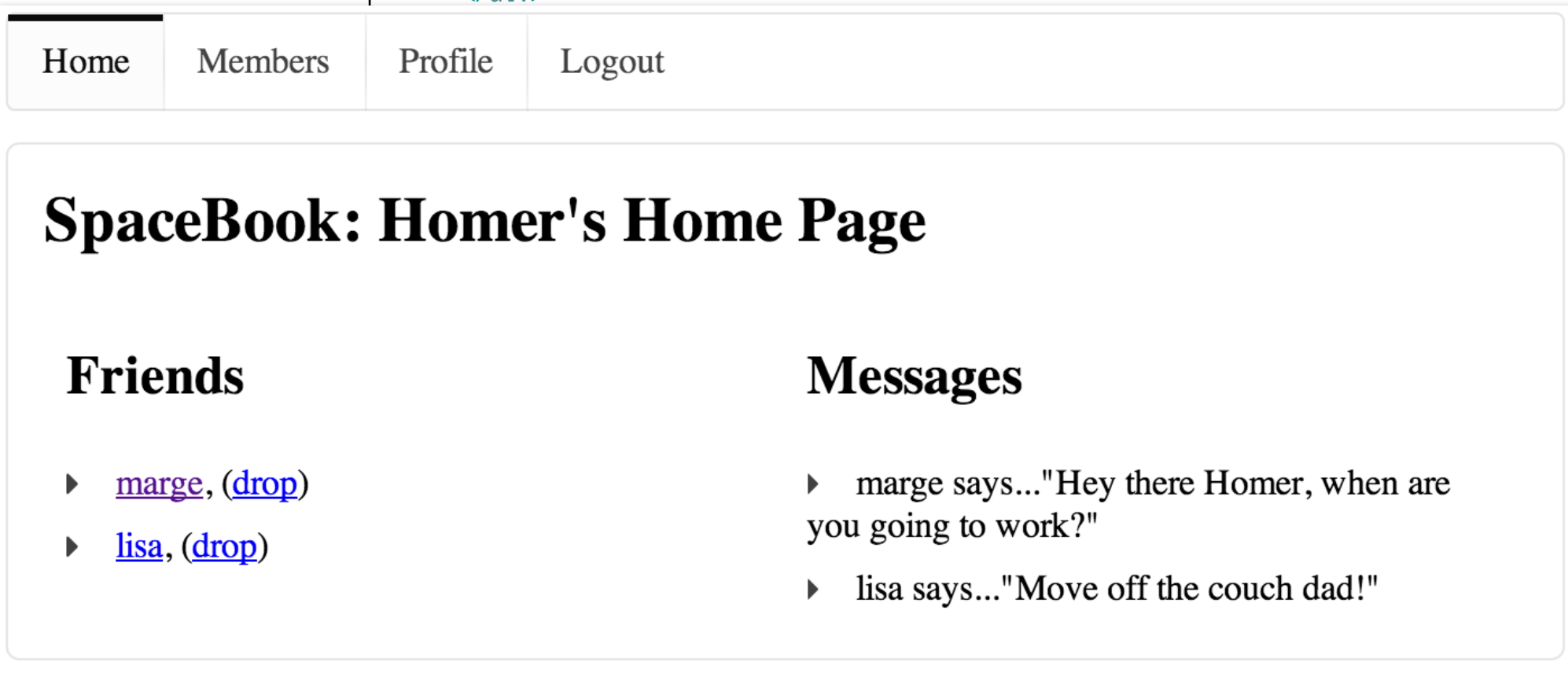
Home/index.html



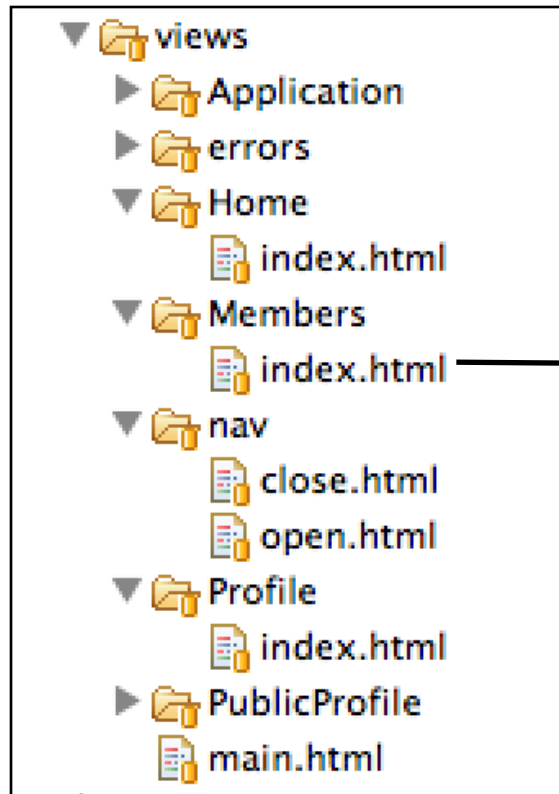
```
#{extends 'main.html' /}
#{set title:'Home' /}

<nav class="ui menu">
  <a class="ui active item" href="/home">Home</a>
  <a class="ui item" href="/members">Members</a>
  <a class="ui item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>

<section class="ui segment">
  <h2 class="ui header">SpaceBook: Homer's Home Page</h2>
  <div class="ui two column grid segment">
    <div class="ui row">
      <div class="ui column">
        <h2>Friends</h2>
        <div class="ui list">
          <div class="item">
            <i class="right triangle icon"></i> <a href="/publicprofile/marge">marge</a>, (<a href="/drop/1
          </div>
          <div class="item">
            <i class="right triangle icon"></i> <a href="/publicprofile/lisa">lisa</a>, (<a href="/drop/1
          </div>
        </div>
      </div>
    </div>
  </div>
```



Members/index.html



```
{% extends 'main.html' %}
{% set title='Members' %}

<nav class="ui menu">
  <a class="ui item" href="/home">Home</a>
  <a class="ui active item" href="/members">Members</a>
  <a class="ui item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>

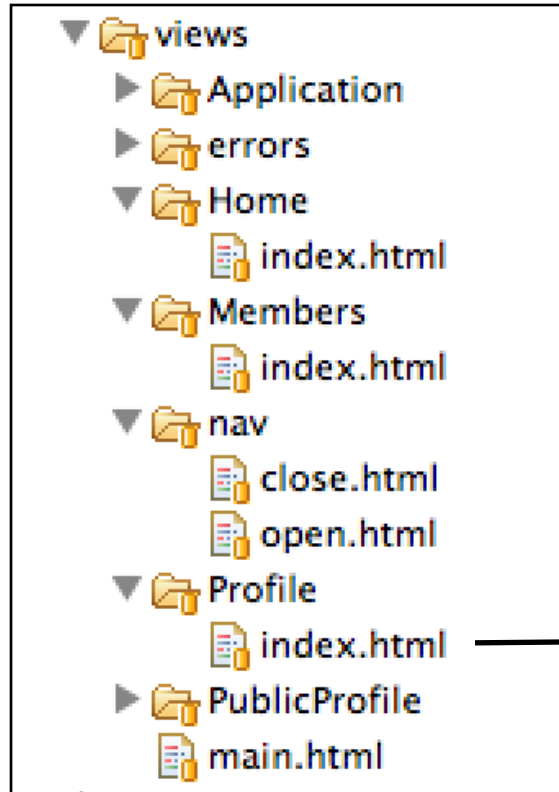
<section class="ui segment">
  <h2 class="ui header">SpaceBook's Members</h2>
  <div class="ui list">
    <div class="item">
      <i class="right triangle icon"></i> marge [<a href="home.html">follow</a>]
    </div>
    <div class="item">
      <i class="right triangle icon"></i> bart [<a href="home.html">follow</a>]
    </div>
    <div class="item">
      <i class="right triangle icon"></i> lisa [<a href="home.html">follow</a>]
    </div>
    <div class="item">
      <i class="right triangle icon"></i> maggie [<a href="home.html">follow</a>]
    </div>
  </div>
</section>
```

[Home](#)[Members](#)[Profile](#)[Logout](#)

SpaceBook's Members

- ▶ marge [[follow](#)]
- ▶ bart [[follow](#)]
- ▶ lisa [[follow](#)]
- ▶ maggie [[follow](#)]

Profile/index.html




```
{extends 'main.html' /}
{set title:'Profile' /}

<nav class="ui menu">
  <a class="ui item" href="/home">Home</a>
  <a class="ui item" href="/members">Members</a>
  <a class="ui active item" href="/profile">Profile</a>
  <a class="ui item" href="/login">Logout</a>
</nav>

<section class="ui segment">
  <h2 class="ui header">Homer's Profile</h2>
  <div class="ui two column grid segment">
    <div class="ui row">
      <div class="ui column">
        <p>
          
        </p>
        <form action="homeprofile/upload" method="post" enctype="multipart/form-data">
          <input type="file" name="userfile" value="" /> <input type="submit" name="submit" value="upload" />
        </form>
      </div>
      <div class="ui column form segment">
        <form action="homeprofile/changertext" method="post">
          <h3 class="ui inverted teal block header">Enter Status</h3>
          <textarea class="ui field" name="profiletext"> </textarea>
          <input class="ui blue button" type="submit" name="submit" value="Change" />
        </form>
      </div>
    </div>
  </div>
</section>
```

[Home](#) [Members](#) [Profile](#) [Logout](#)

Homer's Profile



No file chosen

Enter Status

CHANGE

SpaceBook: Homer's Home Page

Friends

- ▶ [marge](#), ([drop](#))
- ▶ [lisa](#), ([drop](#))

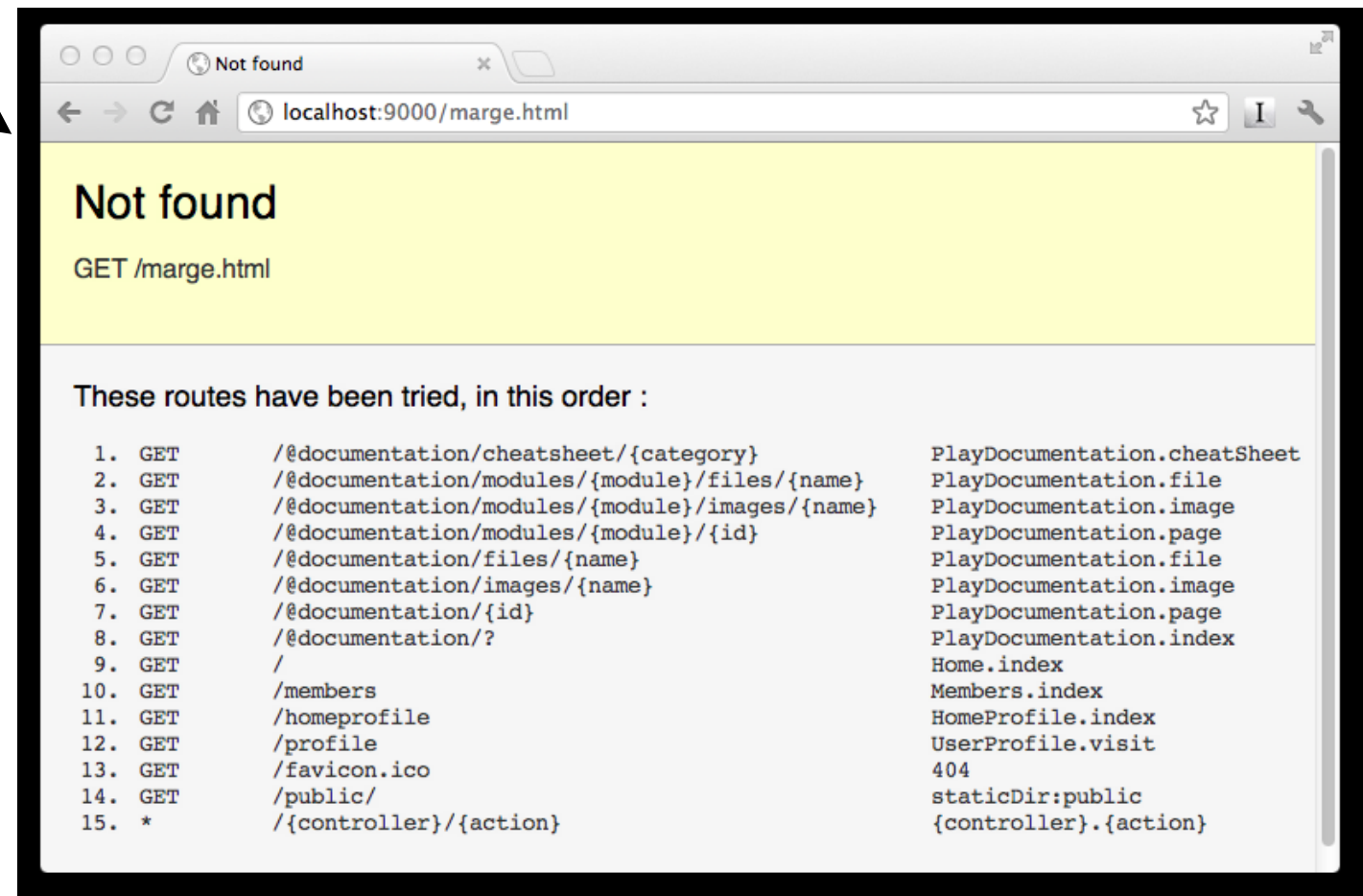
Messages

- ▶ marge says..."Hey there Homer, when are you going to work?"
- ▶ lisa says..."Move off the couch dad!"

```
<a href="marge.html">marge</a>, (<a href="drop/marge">drop</a>)  
<a href="lisa.html">lisa</a>, (<a href="drop/lisa">drop</a>)
```

- Pressing 'marge' generates a routing error:

Profile



Not found

GET /marge.html

These routes have been tried, in this order :

1. GET	/@documentation/cheatsheet/{category}	PlayDocumentation.cheatSheet
2. GET	/@documentation/modules/{module}/files/{name}	PlayDocumentation.file
3. GET	/@documentation/modules/{module}/images/{name}	PlayDocumentation.image
4. GET	/@documentation/modules/{module}/{id}	PlayDocumentation.page
5. GET	/@documentation/files/{name}	PlayDocumentation.file
6. GET	/@documentation/images/{name}	PlayDocumentation.image
7. GET	/@documentation/{id}	PlayDocumentation.page
8. GET	/@documentation/?	PlayDocumentation.index
9. GET	/	Home.index
10. GET	/members	Members.index
11. GET	/homeprofile	HomeProfile.index
12. GET	/profile	UserProfile.visit
13. GET	/favicon.ico	404
14. GET	/public/	staticDir:public
15. *	{controller}/{action}	{controller}.{action}

Replace static reference with 'route'

`marge`, (`drop`)

replace with

`marge`, (`drop`)

Home/index.html

which triggers routes lookup

GET /userprofile

UserProfile.index

conf/routes

which loads controller/action

```
public class UserProfile extends Controller
{
    public static void index()
    {
        render();
    }
}
```

controllers/UserProfile.java

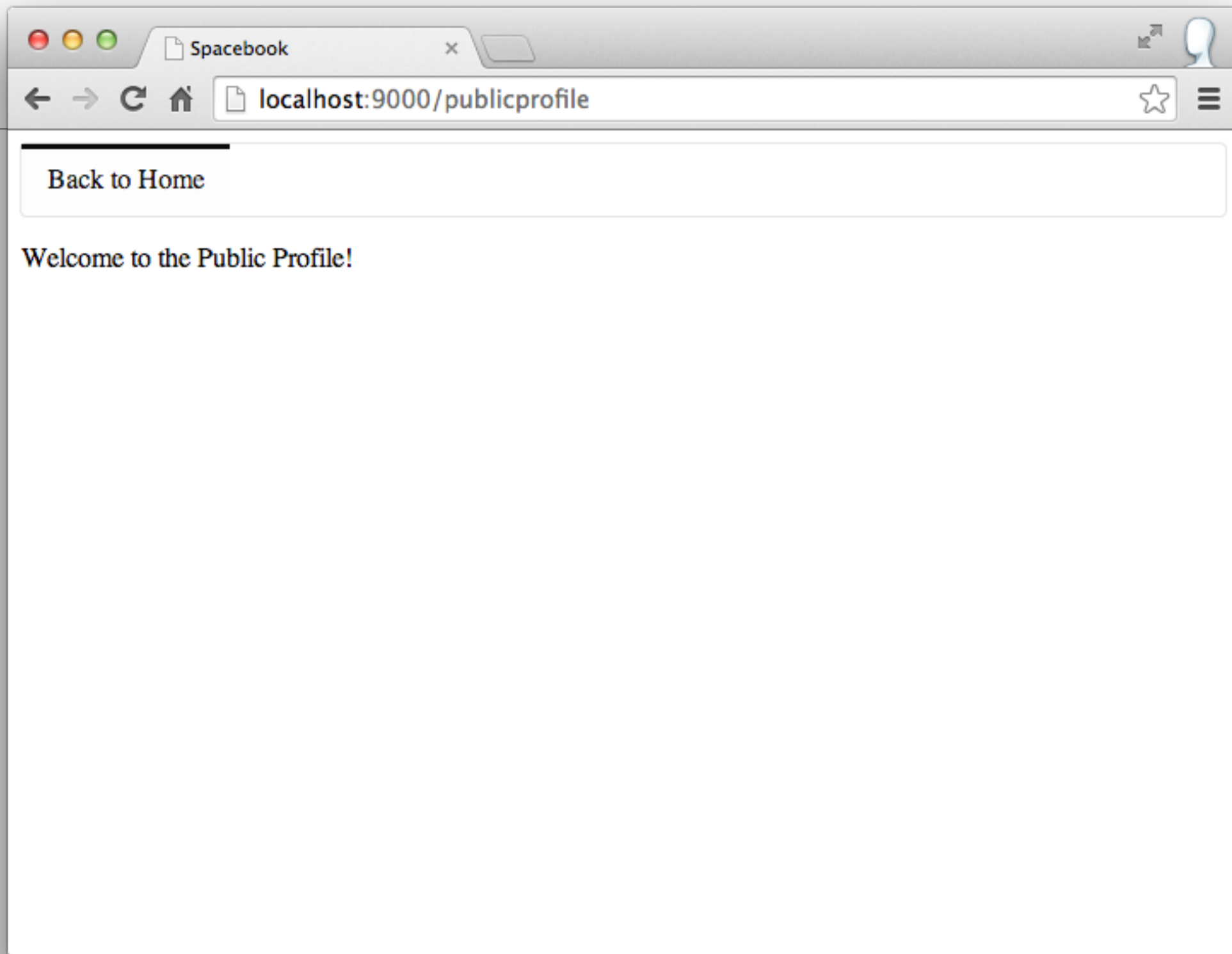
*which
renders
template*

```
{% extends 'main.html' %}
{% set title='Spacebook' %}

<nav class="ui menu">
  <a class="ui active item"
    href="/home">Back to Home</a>
</nav>

<p>
  Welcome to the Public Profile!
</p>
```

views/PublicProfile/index.html ¹¹



Enhance 'route' with url segment

```
<a href="/userprofile">marge</a>
```

Home/index.html

```
<a href="/userprofile/marge">marge</a>
```

GET /userprofile/{name}

UserProfile.visit

conf/routes

```
public class UserProfile extends Controller
{
    public static void index()
    {
        render();
    }

    public static void visit(String name)
    {
        Logger.info("Just visiting the page for " + name);
        render(name);
    }
}
```

controllers/UserProfile.java

```
#{extends 'main.html' /}
#{set title:'Spacebook' /}

<nav class="ui menu">
  <a class="ui active item"
    href="/home">Back to Home</a>
</nav>

<p>
  This is the profile page for ${name}
</p>
```

views/UserProfile/visit.html

11:00:49,877 INFO ~ Just visiting the page for lisa

console

```
public class PublicProfile extends Controller
{
    public static void index()
    {
        render();
    }

    public static void visit(String name)
    {
        Logger.info("Just visiting the page for " + name);
        render(name);
    }
}
```

- The users name is passed as a parameter to the visit method.
- This name is then passed to the render method
- This name can then be used in the page via the `${name}` variable

PublicProfile

views/PublicProfile/visit.html

```
{% extends 'main.html' %}
{% set title:'Spacebook' %}

<nav class="ui menu">
  <a class="ui active item" href="/home">Back to Home</a>
</nav>

<section class="ui raised segment">
  <div class="ui small header"> ${name}'s Profile</div>
  <section class="ui two column grid segment">
    <div class="row">
      <div class="column">
        <div class="ui medium image">
          
        </div>
      </div>
      <div class="column">
        <h2> Messages </h2>
        <ul>
          <li>homer says..."What time is dinner?"</li>
          <li>lisa says..."Where is my saxophone?"</li>
          <li>homer says..."Where are you?"</li>
        </ul>
      </div>
    </div>
  </section>
</section>
```

[Back to Home](#)

lisa's Profile



Messages

- homer says..."What time is dinner?"
- lisa says..."Where is my saxophone?"
- homer says..."Where are you?"

```
public class PiublicProfile extends Controller
{
    public static void index()
    {
        render();
    }

    public static void visit(String name)
    {
        Logger.info("Just visiting the page for " + name);
        render(name);
    }
}
```



lisa.gif

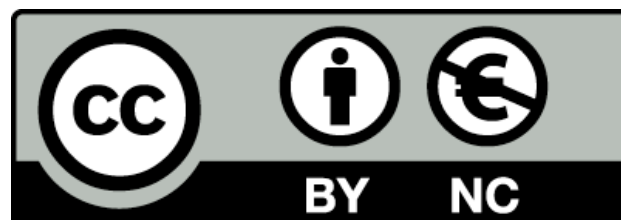
PublicProfile

views/PublicProfile/visit.html

```
#{extends 'main.html' /}
#{set title:'Spacebook' /}

<nav class="ui menu">
  <a class="ui active item" href="/home">Back to Home</a>
</nav>

<section class="ui raised segment">
  <div class="ui small header"> ${name}'s Profile</div>
  <section class="ui two column grid segment">
    <div class="row">
      <div class="column">
        <div class="ui medium image">
          
        </div>
      </div>
      <div class="column">
        <h2> Messages </h2>
        <ul>
          <li>homer says..."What time is dinner?"</li>
          <li>lisa says..."Where is my saxaphone?"</li>
          <li>homer says..."Where are you?"</li>
        </ul>
      </div>
    </div>
  </section>
</section>
```

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