

# Application Development & Modelling

BSc in Applied Computing

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Produced  
by

Eamonn de Leastar (edeleastar@wit.ie)

Department of Computing, Maths & Physics  
Waterford Institute of Technology

<http://www.wit.ie>

<http://elearning.wit.ie>



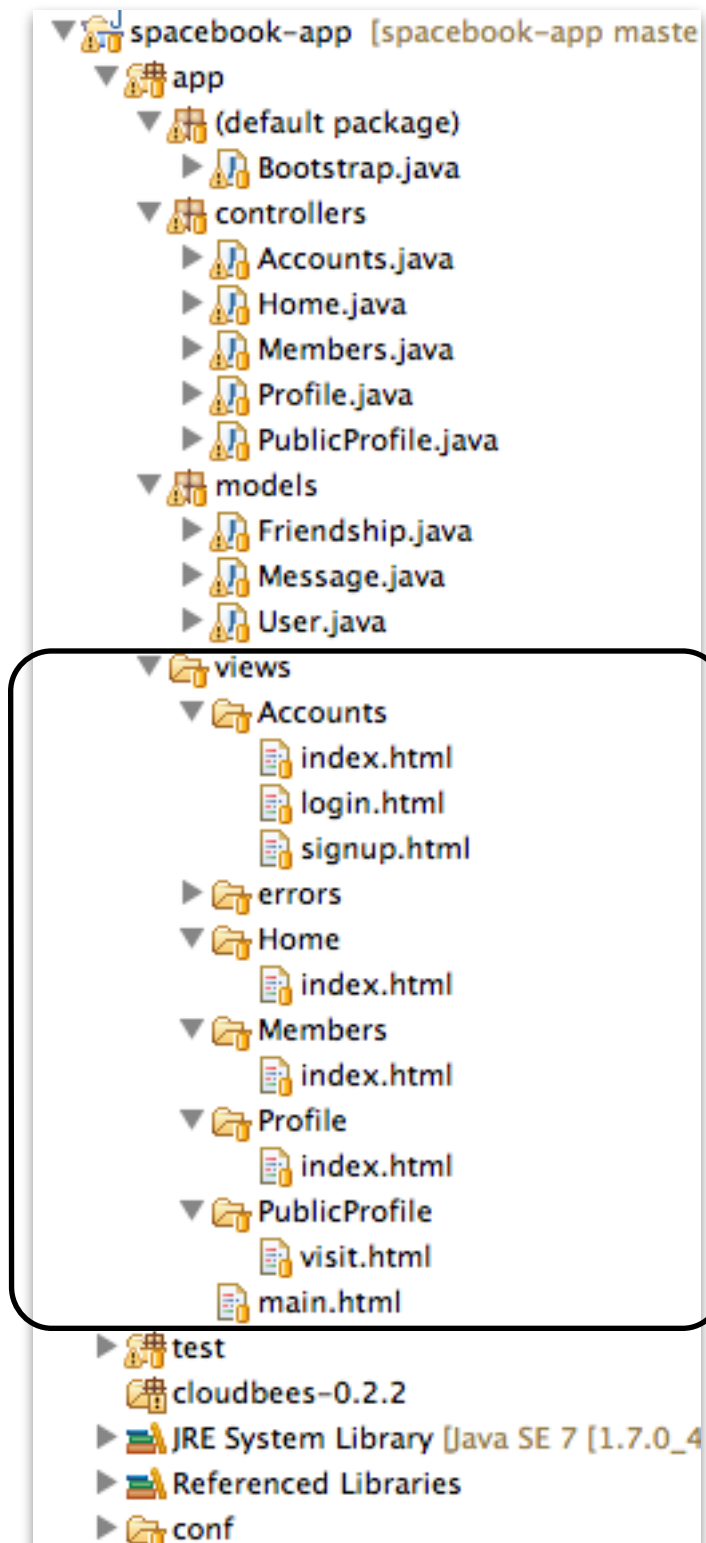
Waterford Institute of Technology  
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE



# Spacebook Views

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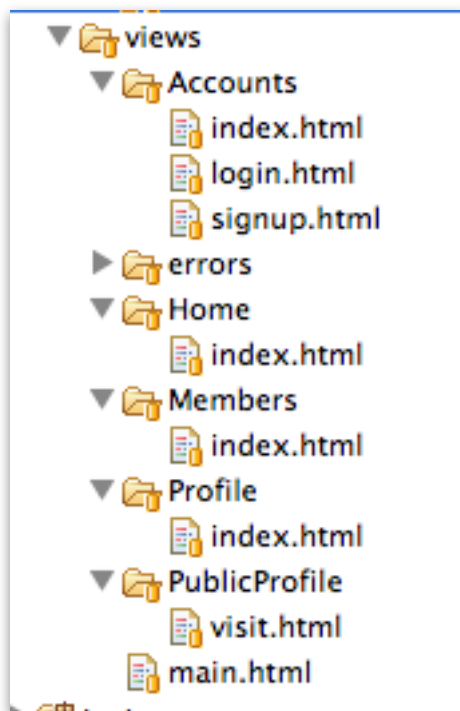
# Views



- Fragments of HTML pages
- Usually modelled on a 'template' - main.html in this project
- main.html defines a top level structure for a complete page
- Individual aspects of the main.html template are replaced as needed to deliver a complete 'view'
- Page fragments contain HTML + a simple template language

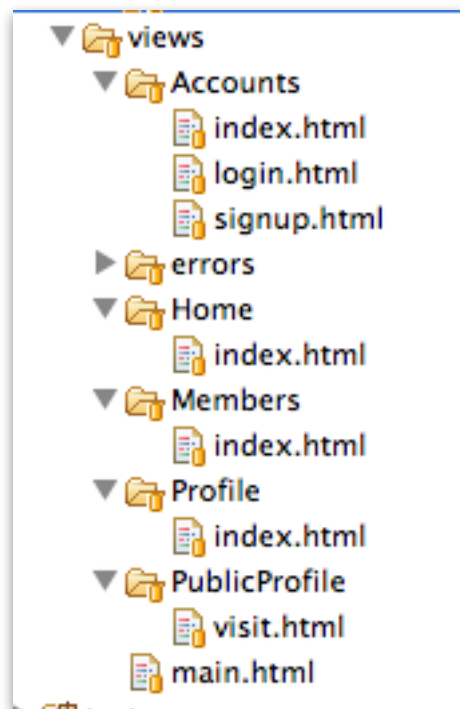
# main

---



```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>#{get 'title' /}</title>
  </head>
  <body>
    #{doLayout /}
  </body>
</html>
```

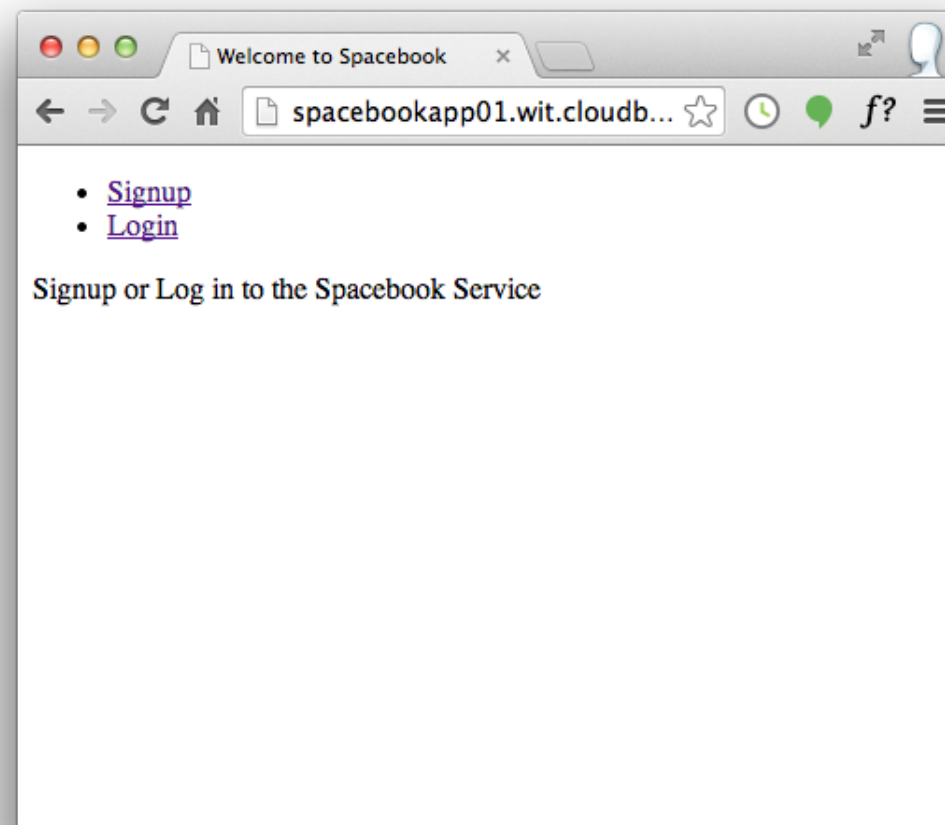
# Accounts/index

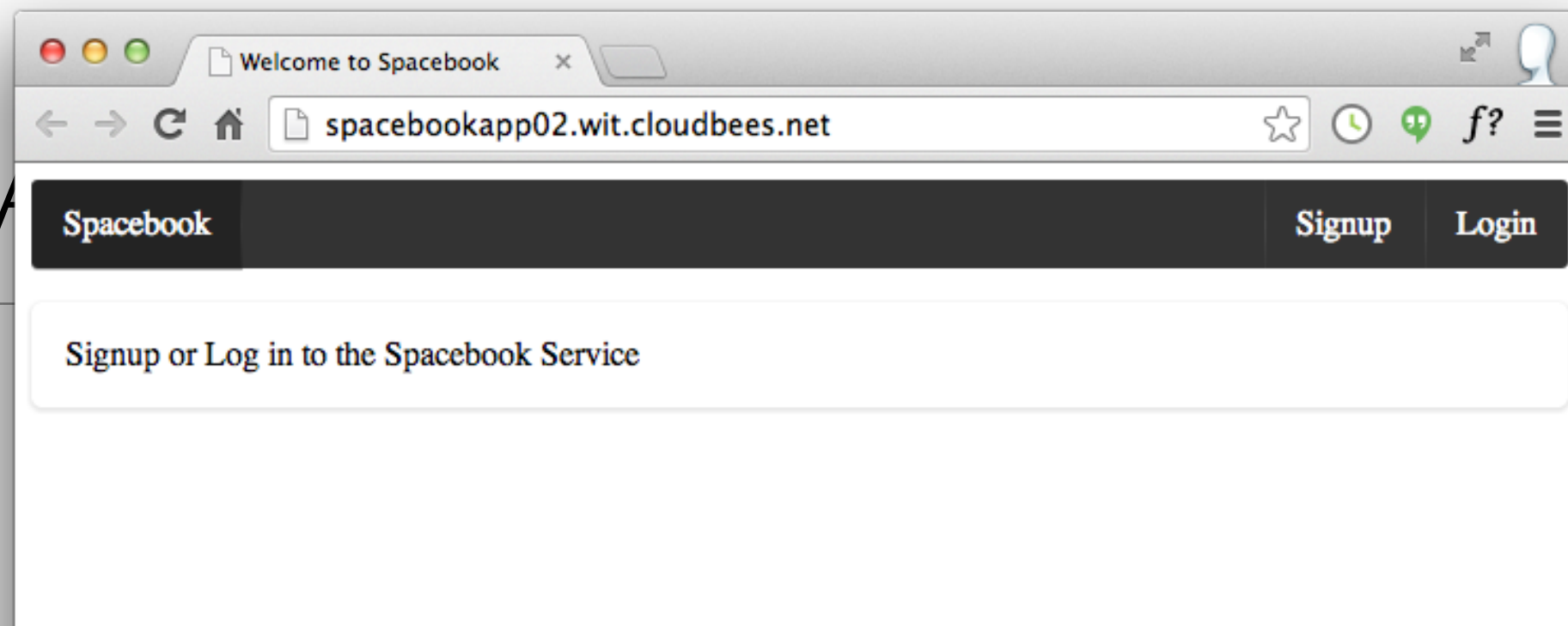


```
{extends 'main.html' /}
{set title:'Welcome to Spacebook' /}

<ul>
  <li> <a href="/signup"> Signup </a></li>
  <li> <a href="/login"> Login </a></li>
</ul>

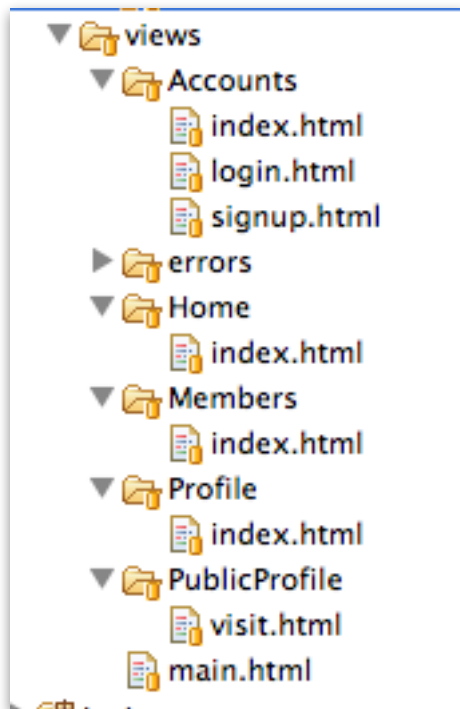
<p> Signup or Log in to the Spacebook Service </p>
```





```
#{extends 'main.html' /}  
#{set title:'Welcome to Spacebook' /}  
  
<nav class="ui inverted menu">  
  <header class="header item"> Spacebook </header>  
  <div class="right menu">  
    <a class="item" href="/signup"> Signup </a>  
    <a class="item" href="/login"> Login </a>  
  </div>  
</nav>  
  
<section class="ui raised segment">  
  <p> Signup or Log in to the Spacebook Service </p>  
</section>
```

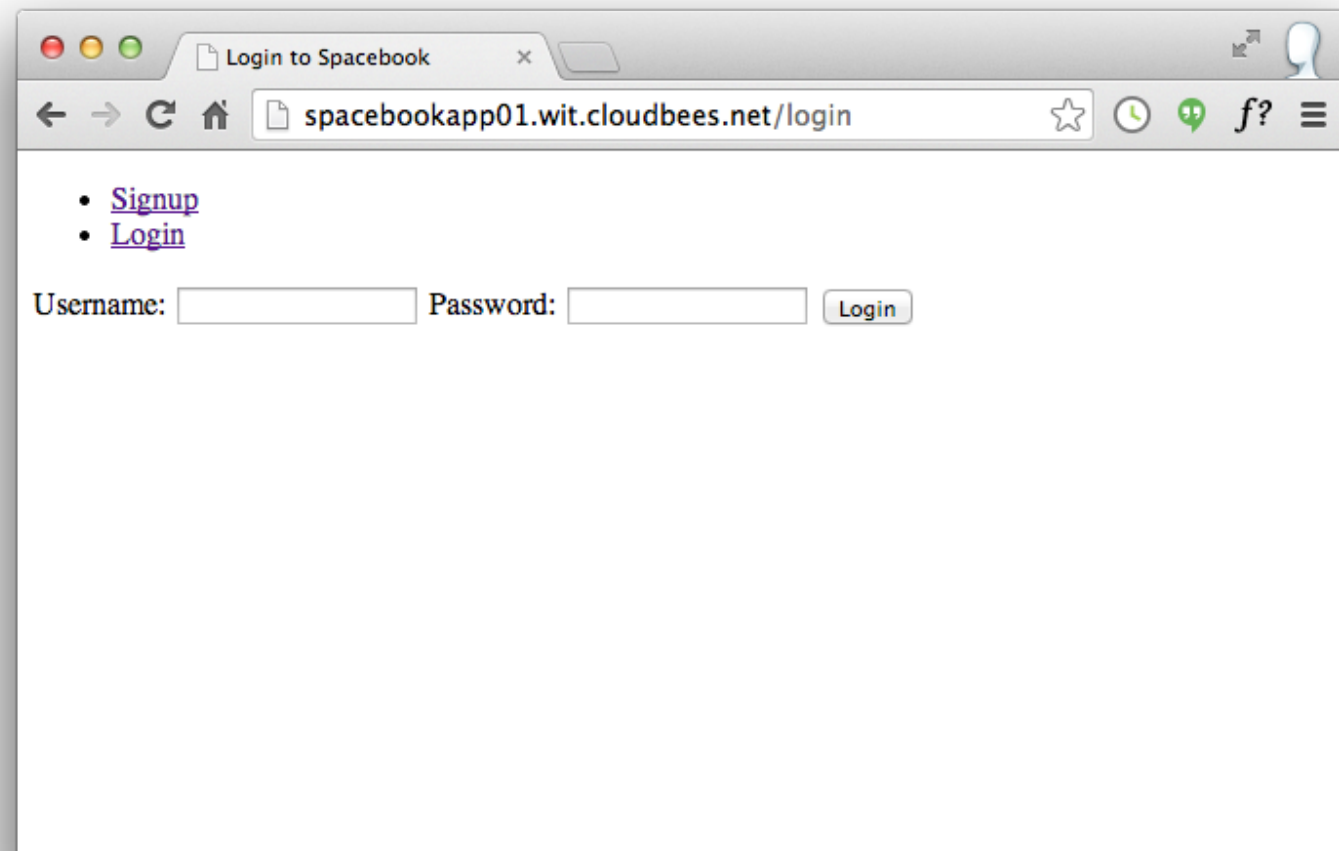
# Accounts/login

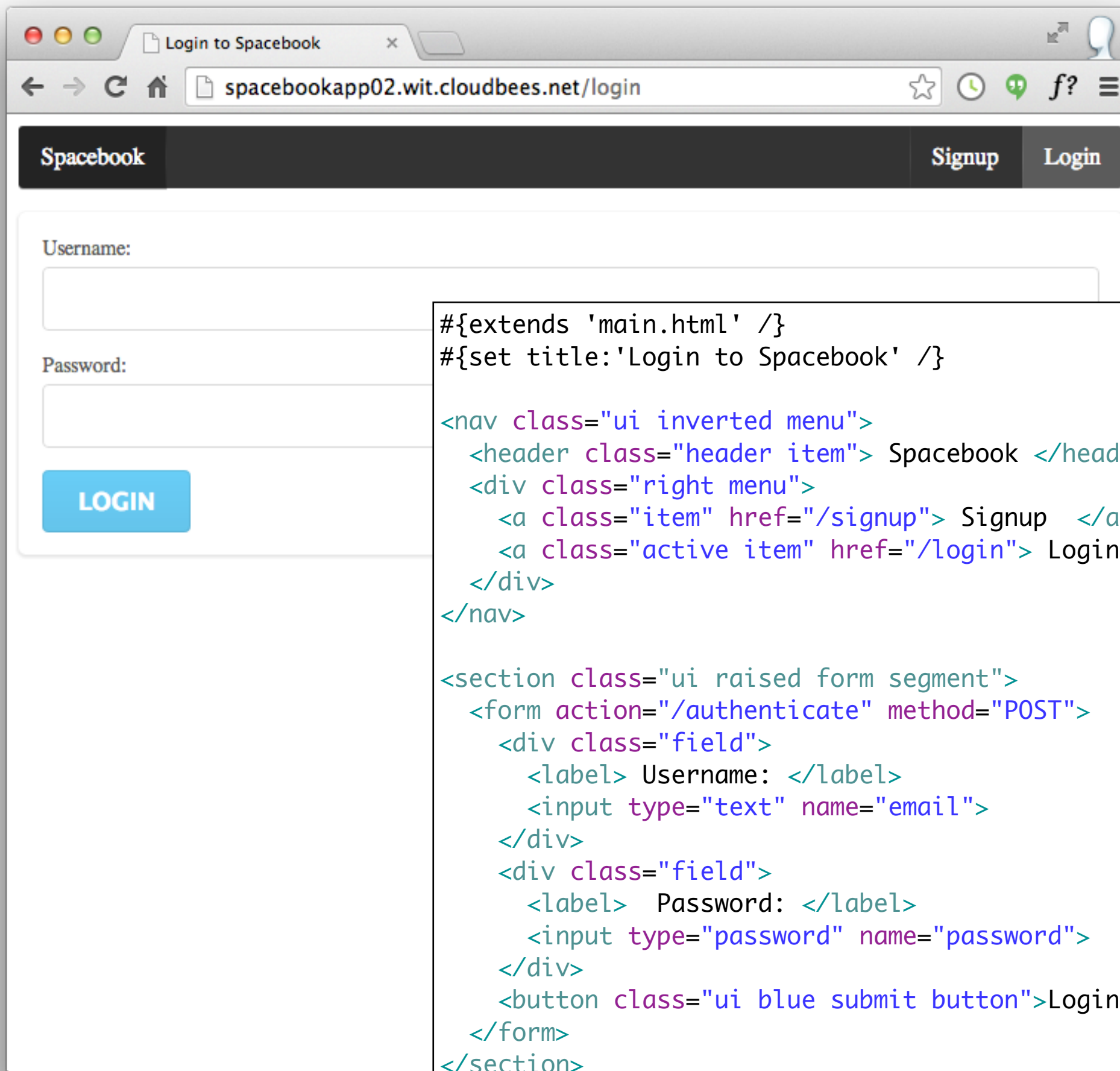


```
{extends 'main.html' /}
{set title:'Login to Spacebook' /}

<ul>
  <li> <a href="/signup"> Signup </a></li>
  <li class="active"> <a href="/login"> Login </a></li>
</ul>

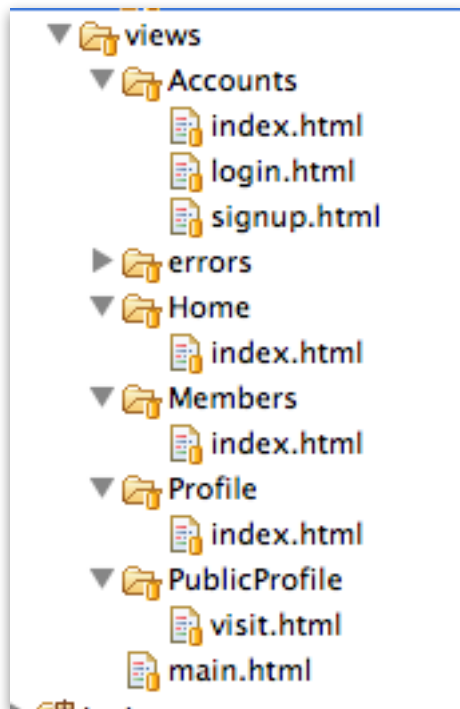
<form action="/authenticate" method="POST">
  <label> Username: </label>
  <input type="text" name="email">
  <label> Password: </label>
  <input type="password" name="password">
  <input type="submit" value="Login" />
</form>
```







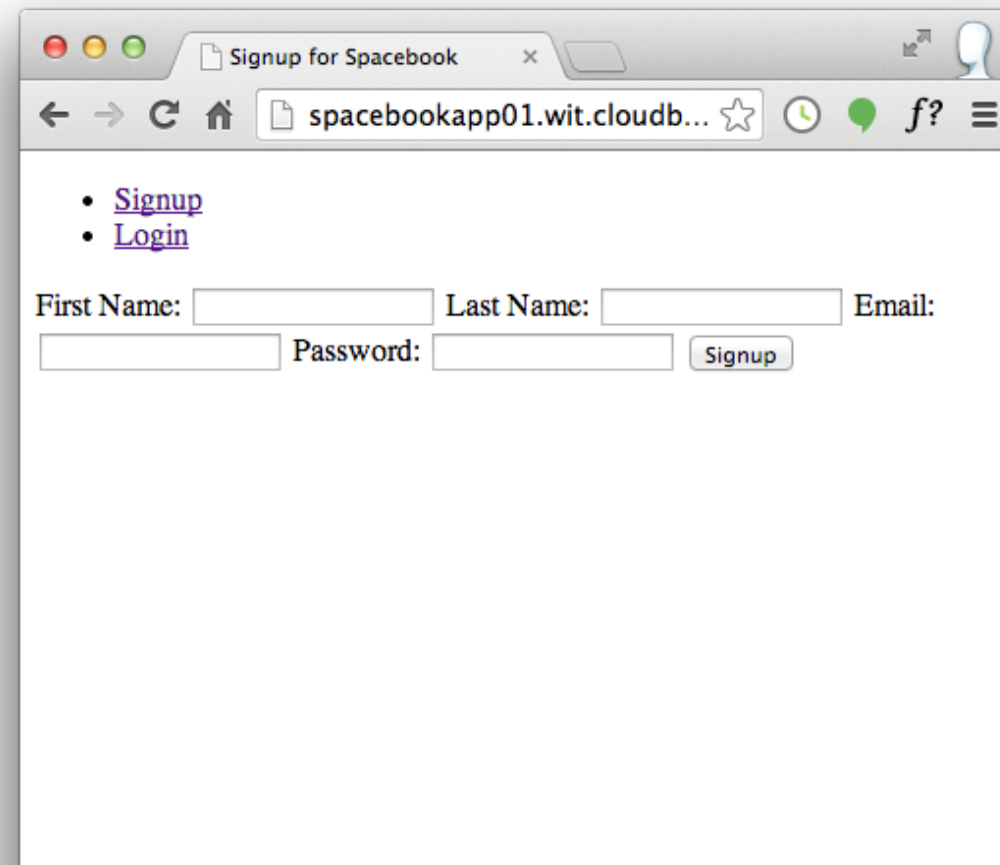
# Accounts/signup



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

<ul>
  <li class="active"> <a href="/signup"> Signup </a></li>
  <li> <a href="/login"> Login </a></li>
</ul>

<form action="/register" method="POST">
  <label> First Name: </label>
  <input type="text" name="firstName">
  <label> Last Name: </label>
  <input type="text" name="lastName">
  <label> Email: </label>
  <input type="text" name="email">
  <label> Password: </label>
  <input type="password" name="password">
  <input type="submit" value="Signup" />
</form>
```



Signup for Spacebook

spacebookapp02.wit.cloud

Spacebook

First Name

First Name

Email

Email

Password

SUBMIT

```

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

<nav class="ui inverted menu">
  <header class="header item"> Spacebook </header>
  <div class="right menu">
    <a class="active item" href="/signup"> Signup </a>
    <a class="item" href="/login"> Login </a>
  </div>
</nav>

<div class="ui raised form segment">
  <form action="/register" method="POST">
    <div class="two fields">
      <div class="field">
        <label>First Name</label>
        <input placeholder="First Name" type="text" name="firstName">
      </div>
      <div class="field">
        <label>Last Name</label>
        <input placeholder="Last Name" type="text" name="lastName">
      </div>
    </div>
    <div class="field">
      <label>Email</label>
      <input placeholder="Email" type="text" name="email">
    </div>
    <div class="field">
      <label>Password</label>
      <input type="password" name="password">
    </div>
    <button class="ui blue submit button">Submit</button>
  </form>
</div>

```

```

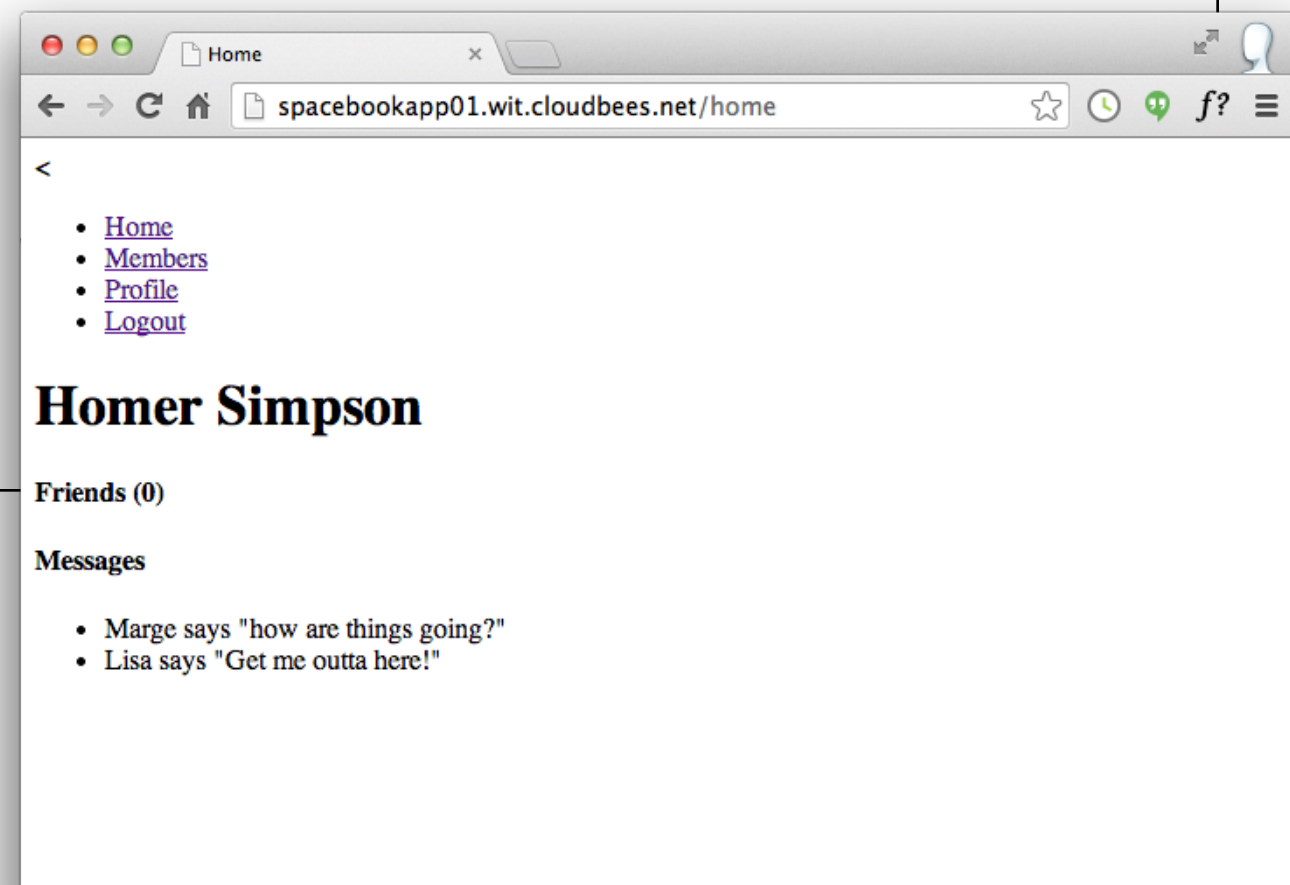
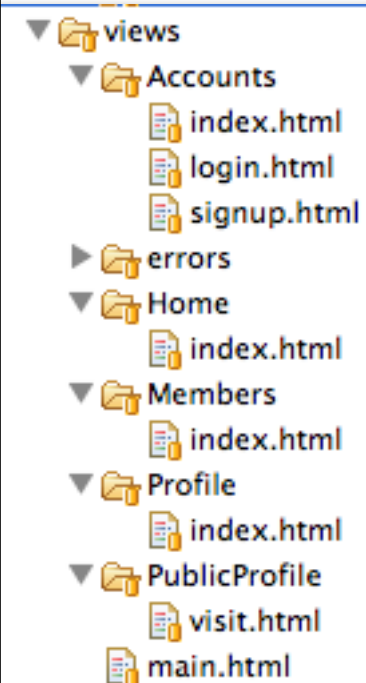
#{extends 'main.html' /}
#{set title:'Home' /}

<<ul>
  <li class="active"><a href="/home">Home</a></li>
  <li><a href="/members">Members</a></li>
  <li><a href="/profile">Profile</a></li>
  <li><a href="/logout">Logout</a></li>
</ul>

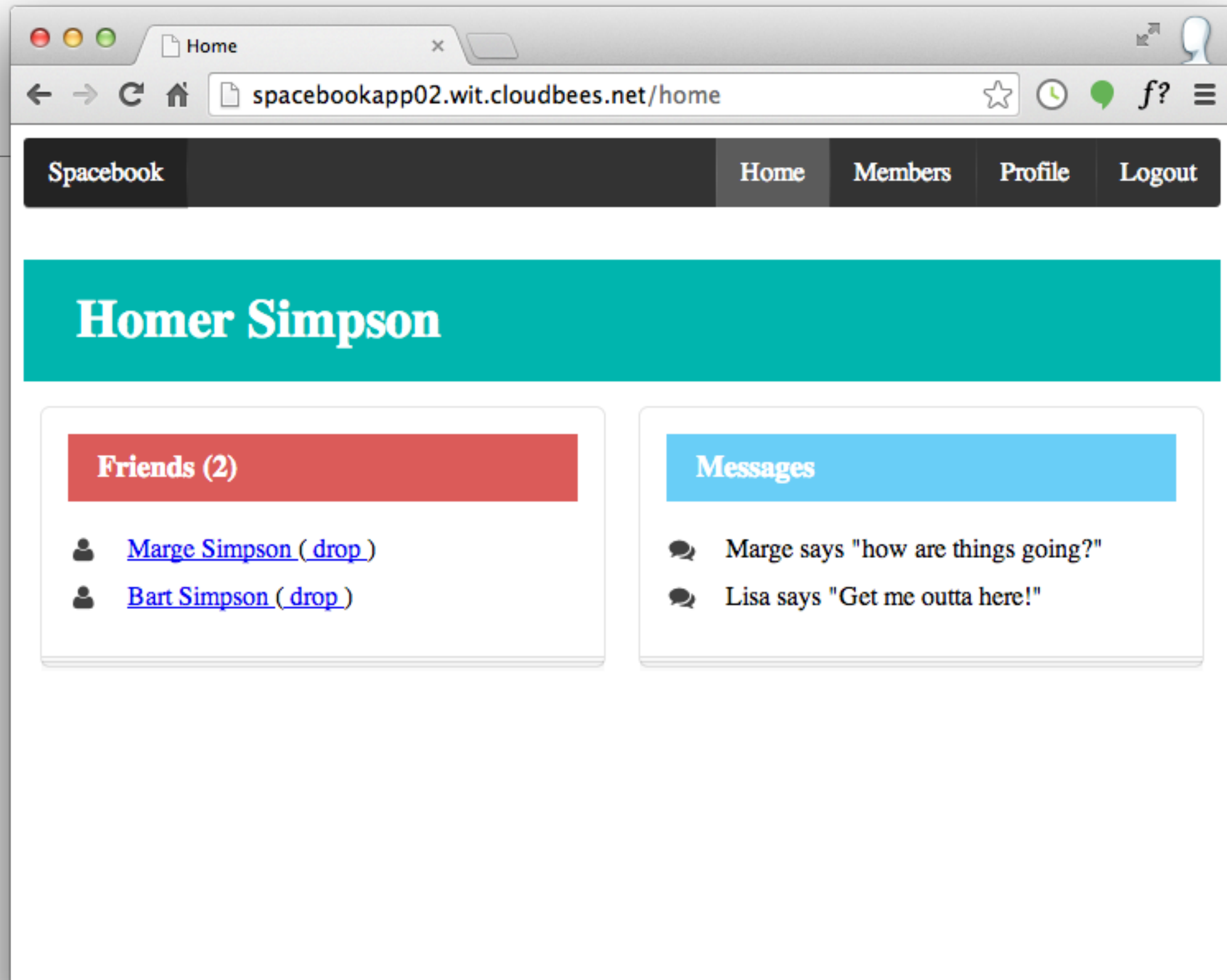
<h1>${user.firstName} ${user.lastName}</h1>
<h4>Friends (${user.friendships.size()})</h4>
<ul>
  #{list items:user.friendships, as:'friendship'}
    <li>
      <a href="/publicprofile/${friendship.targetUser.id}"> ${friendship.targetUser.firstName}
                                                ${friendship.targetUser.lastName}

      (<a href="/home/drop/${friendship.targetUser.id}"> drop </a>)
    </li>
  #{/list}
</ul>
<h4>Messages</h4>
#{if user.inbox.size() > 0}
  <ul>
    #{list items:user.inbox, as:'message'}
      <li> ${message.from.firstName} says
    #{/list}
  </ul>
#{/if}

```



# Home/index



```

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

<nav class="ui inverted menu">
  <header class="header item"> Spacebook </header>
  <div class="right menu">
    <a class="active item" href="/home">Home</a></li>
    <a class="item" href="/members">Members</a>
    <a class="item" href="/profile">Profile</a>
    <a class="item" href="/logout">Logout</a>
  </div>
</nav>

<h1 class="ui inverted teal block header">${user.firstName} ${user.lastName}</h1>
<section class="ui two column grid segment">
  <div class="row">
    <div class="ui column">
      <section class="ui stacked segment">
        <h4 class="ui inverted red block header">Friends (${user.friendships.size()})</h4>
        <div class="ui list">
          #{list items:user.friendships, as:'friendship'}
          <div class="ui item">
            <i class="user icon"></i>
            <a href="/publicprofile/${friendship.targetUser.id}">
              ${friendship.targetUser.firstName} ${friendship.targetUser.lastName} </a>
            (<a href="/home/drop/${friendship.targetUser.id}"> drop </a>)
          </div>
        </div>
        #{/list}
      </div>
    </div>
    <div class="column">
      <section class="ui stacked segment">
        <h4 class="ui inverted blue block header">Messages</h4>
        #{if user.inbox.size() ≥ 0}
        <div class="ui list">
          #{list items:user.inbox, as:'message'}
          <div class="item">
            <i class="chat icon"></i>
            ${message.from.firstName} says "${message.messageText}"
          </div>
        </div>
        #{/list}
      </div>
    </div>
  </div>
</section>

```

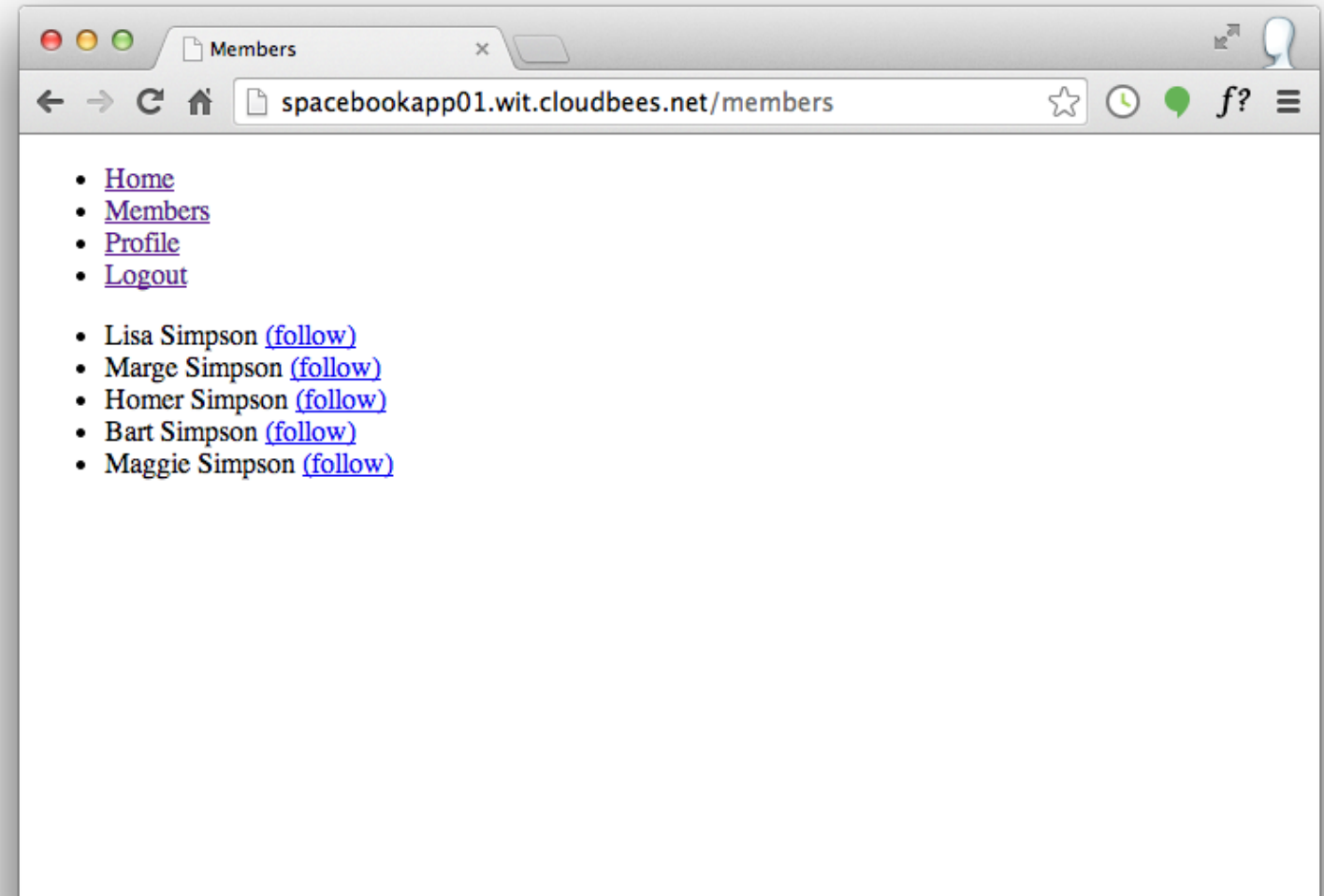
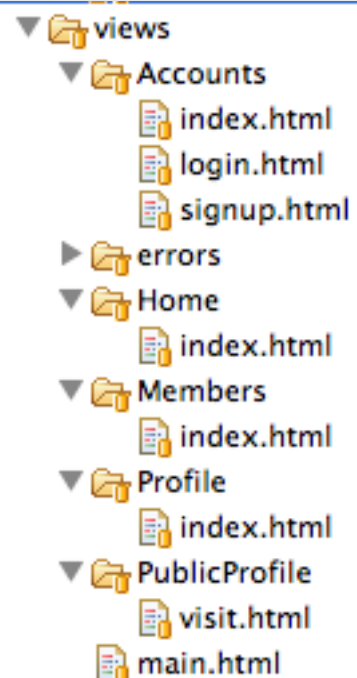
```

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

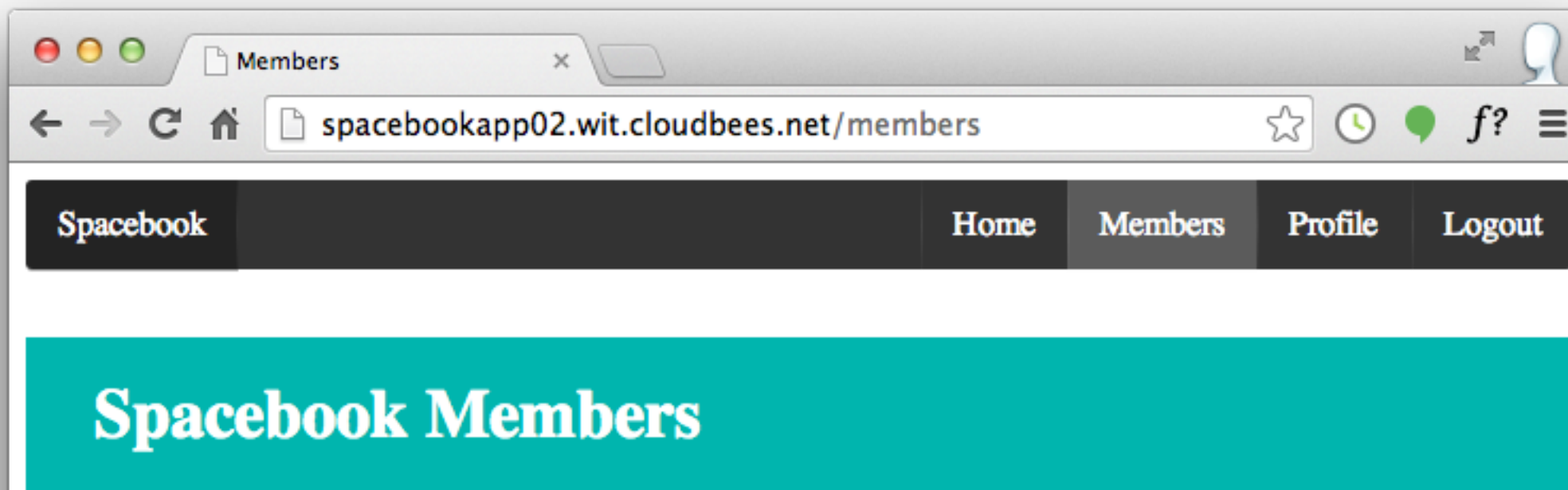
<ul>
  <li> <a href="/home">Home</a>      </li>
  <li class="active"> <a href="/members">Members</a> </li>
  <li> <a href="/profile">Profile</a> </li>
  <li> <a href="/logout">Logout</a>   </li>
</ul>





<ul>
  #{list items:users, as:'user'}
    <li>
      ${user.firstName} ${user.lastName} <a href="members/follow/${user.id}"> (follow) </a>
    </li>
  #{/list}
</ul>

```



# Members/index



-  Lisa Simpson ([follow](#))
-  Marge Simpson ([follow](#))
-  Homer Simpson ([follow](#))
-  Bart Simpson ([follow](#))
-  Maggie Simpson ([follow](#))

```

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

<nav class="ui inverted menu">
  <header class="header item"> Spacebook </header>
  <div class="right menu">
    <a class="item" href="/home">Home</a></li>
    <a class="active item" href="/members">Members</a>
    <a class="item" href="/profile">Profile</a>
    <a class="item" href="/logout">Logout</a>
  </div>
</nav>

<h1 class="ui inverted teal block header" >Spacebook Members</h1>
<section class="ui raised segment">
  <div class="ui list">
    #{list items:users, as:'user'}
    <div class="ui item">
      <i class="user icon"></i>
      ${user.firstName} ${user.lastName} <a href="members/follow/${user.id}"> (follow) </a>
    </div>
  </list>
</div>
</section>

```



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

```
<ul>
  <li><a href="/home">Home</a></li>
  <li><a href="/members">Members</a></li>
  <li class="active"><a href="/profile">Profile</a></li>
  <li><a href="/logout">Logout</a></li>
</ul>
```

```
<h1>${user.firstName} ${user.lastName}'s Profile</h1>
<p> (${user.email})</p>
```

```
<h3>Profile Image</h3>
```

```

```

```
<form action="/profile/uploadpicture/${user.id}" method="post" enctype="multipart/form-data">
```

```
  <label> Upload your file: </label>
```

```
  <input type="file" name="picture" />
```

```
  <input type="submit" name="submit" value="upload" />
</form>
```

```
<form action="/profile/changestatus" method="POST">
```

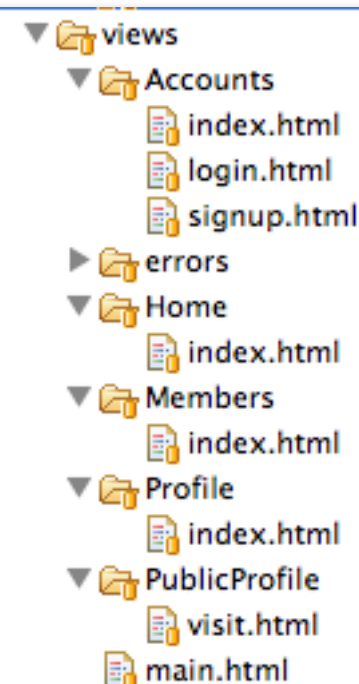
```
  <h3>Status Text</h3>
```

```
  <p> ${user.statusText} </p>
```

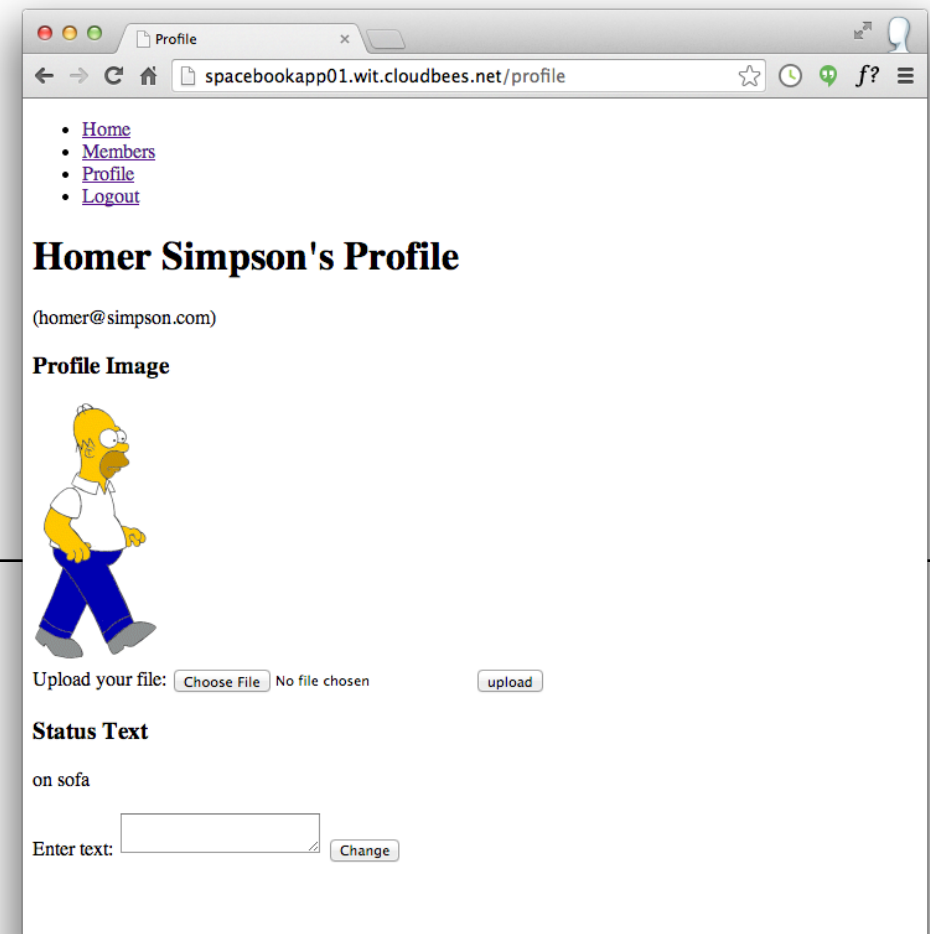
```
  <label> Enter text: </label>
```

```
  <textarea name="statusText"></textarea>
```

```
  <input type="submit" value="Change"/>
</form>
```



# Profile/index





Profile

←

→

↻

🏠

📄

spacebookapp02.wit.cloudbees.net/profile

☆

🕒

💬

f?

☰

Spacebook

Home

Members


Profile

Logout

Homer Simpson's Profile

homer@simpson.com

PROFILE IMAGE



Choose File No file chosen

UPLOAD

Status

on sofa

UPDATE

```

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

<nav class="ui inverted menu">
  <header class="header item"> Spacebook </header>
  <div class="right menu">
    <a class="item" href="/home">Home</a></li>
    <a class="item" href="/members">Members</a>
    <a class="active item" href="/profile">Profile</a>
    <a class="item" href="/logout">Logout</a>
  </div>
</nav>

<h1 class="ui inverted teal block header" >${user.firstName} ${user.lastName}'s Profile</h1>
<section class="ui two column grid segment">
  <div class="row">
    <div class="column">
      <section class="ui stacked segment">
        <h4 class="ui inverted red block header">${user.email}</h4>
        <div class="ui medium image">
          <label class="ui ribbon label">Profile Image</label>
          
        </div>
        <section class="ui raised form segment">
          <form action="/profile/uploadpicture/${user.id}" method="post" enctype="multipart/form-data">
            <div class="ui field">
              <input type="file" name="picture"> </input>
            </div>
            <button class="ui blue submit button"> Upload</button>
          </form>
        </section>
      </section>
    </div>
    <div class="column">
      <section class="ui stacked segment">
        <h4 class="ui inverted red block header"> Status</h4>
        <div class="ui message">
          <p> ${user.statusText} </p>
        </div>
        <section class="ui form segment">
          <form action="/profile/changestatus" method="POST">
            <div class="field">
              <textarea name="statusText"></textarea>
            </div>
            <button class="ui button teal submit labeled icon"><i class="icon edit"></i> Update </button>
          </form>
        </section>
      </section>
    </div>
  </div>
</section>

```

```

#{extends 'main.html' /}
#{set title:'Public Profile Page' /}

<h3>Your Friend ${user.firstName} ${user.lastName}'s Home Page</h3>

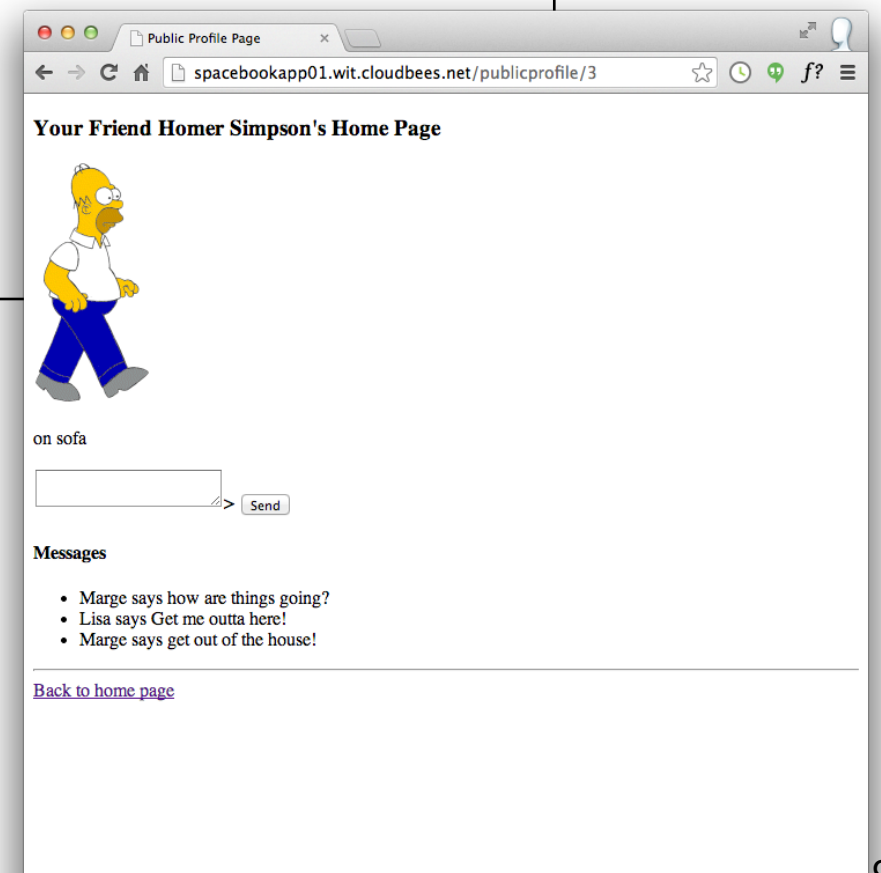
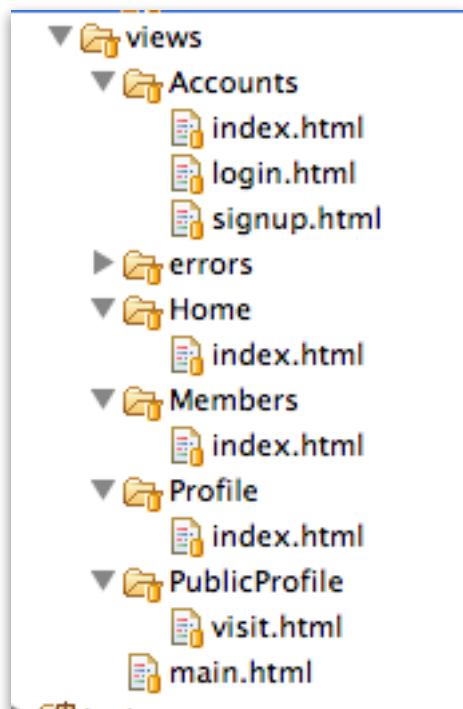
<p> ${user.statusText} </p>

<form action="/publicprofile/sendmessage/${user.id}" method="post">
  <textarea name="messageText"></textarea>
  <input type="submit" value="Send" />
</form>

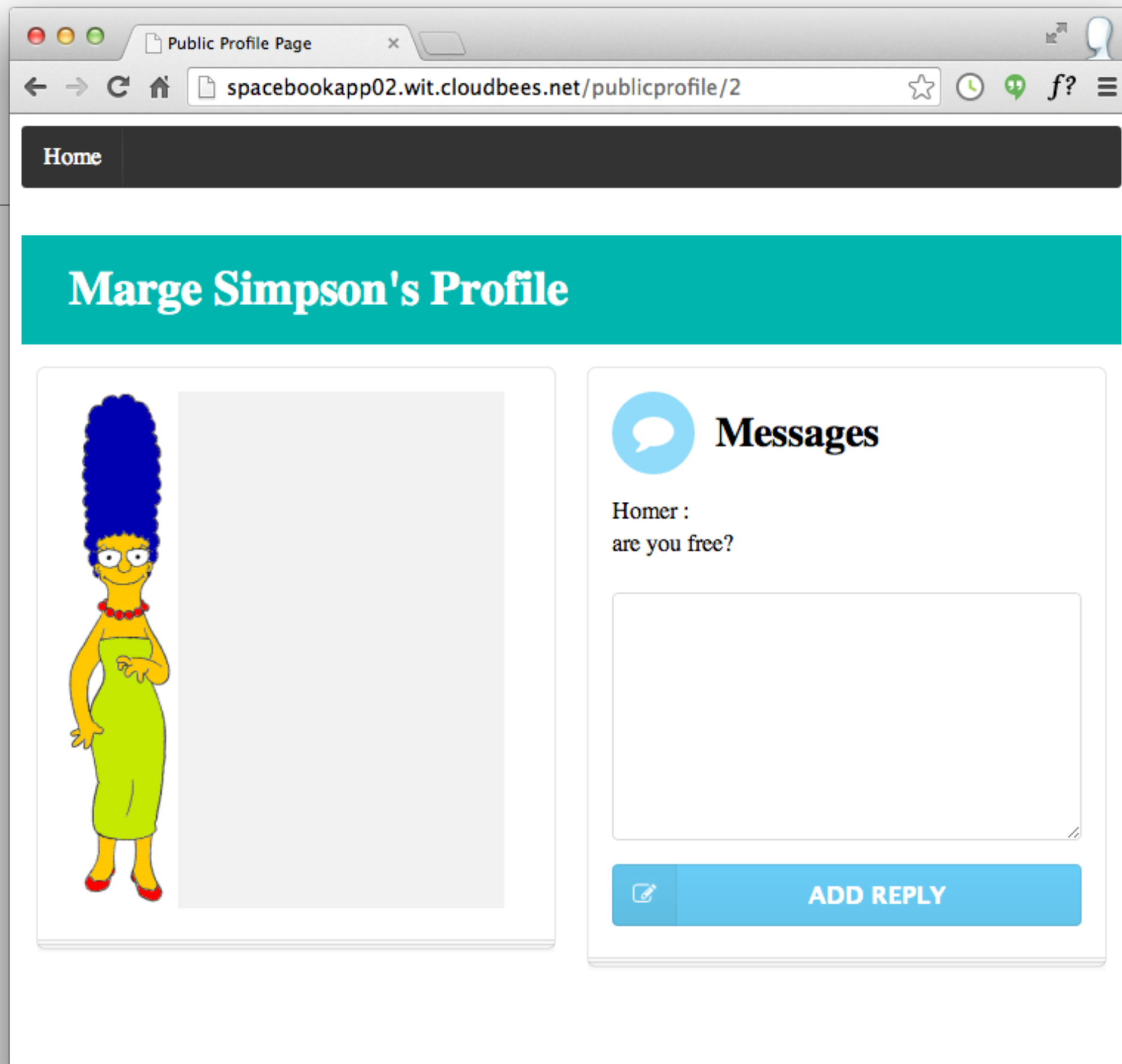
<h4>Messages</h4>
#{if user.inbox.size() > 0}
  <ul>
    #{list items:user.inbox, as:'message'}
    <li> ${message.from.firstName} says ${message.messageText} </li>
  #{/list}
  </ul>
#{/if}

<hr>
<a href="/home">Back to home page</a>

```



# PublicProfile/index



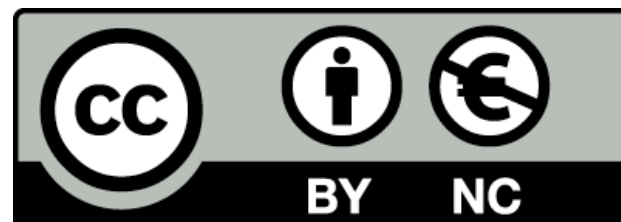
```

#{extends 'main.html' /}
#{set title:'Public Profile Page' /}

<nav class="ui inverted menu">
  <div class="left menu">
    <a class="item" href="/home">Home</a></li>
  </div>
</nav>

<h1 class="ui inverted teal block header" >${user.firstName} ${user.lastName}'s Profile</h1>
<section class="ui two column grid segment">
  <div class="row">
    <div class="column">
      <section class="ui stacked segment">
        <div class="ui medium image">
          
        </div>
      </section>
    </div>
    <div class="column">
      <div class="ui stacked segment">
        <h2 class="ui header">
          <i class="icon inverted circular blue comment"></i> Messages
        </h2>
        <div class="ui comments">
          <div class="comment">
            #{if user.inbox.size() > 0}
            #{list items:user.inbox, as:'message'}
            <div class="content">
              <a class="author"> ${message.from.firstName} : </a>
              <div class="text">
                ${message.messageText}
              </div>
            </div>
          </div>
          #{/list}
        </div>
        <form action="/publicprofile/sendmessage/${user.id}" class="ui reply form" method="post">
          <div class="field">
            <textarea name="messageText"></textarea>
          </div>
          <button class="ui fluid blue labeled submit icon button">
            <i class="icon edit"></i> Add Reply
          </button>
        </form>
      </div>
    </div>
  </div>
</div>
</section>

```



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