Web Development



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Status & Members List

Save Status Message

 If the user types something into the edit field, and presses 'change' - then the text entered will appear just above the email.



Current User Class

```
public class User extends Model
{
  public String firstName;
 public String lastName;
 public String email;
 public String password;
  public User(String firstName, String lastName, String email, String password)
    this.firstName = firstName;
    this.lastName = lastName;
    this.email = email;
    this.password = password;
  }
  public static User findByEmail(String email)
  {
    return find("email", email).first();
  }
  public boolean checkPassword(String password)
    return this.password.equals(password);
}
```

Change 1

 Create a new member in the 'User' class to store the text - we will call it 'statusMessage'

```
public class User extends Model
{
    //...
    public String statusMessage;
    //...
}
```



 Introduce a 'route' that maps the pressing of the change button to a method called 'changeText' in the HomeProfile controller:

POST

/profile/changestatus

Profile.changeStatus

Change 3

- Replace the changeText method in the HomeProfile class with the following method which:
 - determines who is currently logged in
 - reads the details about that user from the database into the user object
 - replaces the current status with the new status the user has just entered
 - saves this to the database
 - prints a log message
 - redraw the view

```
public static void changeStatus(String profiletext)
{
   String userId = session.get("logged_in_userid");
   User user = User.findById(Long.parseLong(userId));
   user.statusText = profiletext;
   user.save();
   Logger.info("Status changed to " + profiletext);
   index();
  }
```

Change 4	Home Members Profile Logout Homer Simpson's Profile (homer@simpson.com)			
	Choose File No file chosen upload	Status READY AND WAITING!		
			Enter Status GOING OUT!	
<div class="ui colun
<h2 class=" smal<br="" ui=""><div class="ui gre</td><td>nn form segment"> 1 header"> Statu een block label"></div></div>	s			
\${user.statu <hr/> <form action="/pro
<h3 class=" in<br="" ui=""><textarea class="</td"><td>usText} ofile/changestatu overted teal bloc ="ui field" name=</td><td>s" method="p k header">En "profiletext</td><td>ost"> iter Status :"> </td></textarea></form>	usText} ofile/changestatu overted teal bloc ="ui field" name=	s" method="p k header">En "profiletext	ost"> iter Status :">	
<pre><input class="ul blue button" name="submit" type="submit" value="Change"/></pre>				

views/Profile/index.html

Display Members List



```
public class Members extends Controller
{
    public static void index()
    {
        render();
    }
    public static void follow (String name)
    {
        Logger.info("Following " + name);
        index();
    }
}
```

```
    List is 'hard
coded'. i.e.
never changes.
```

Reading Members from Database

- Ask User class to 'findAll' members
- Returns a list of all members in database
- Pass this to the view



Rendering the list in the View

```
<div class="ui list">
    #{list items:users, as:'user'}
    <div class="item">
        <i class="item">
            <i class="right triangle icon"></i> ${user.firstName} ${user.lastName} </a>
    </div>
    #{/list}
</div>
```

- Write a loop in HTML!
- Not really, the loop is written in the play templating language
- Close in syntax and semantics to the java 'foreach' loop
- However, remains challenging to read and interpret

"for all of the user objects in the users list, visit each one and call it 'user'. With each of these user objects, create a element to contain the user's first name and last name"

Home	Members	Profile	Logout
Spa	eBook'	s Men	ıbers
 Hom 	er Simpson		
Marg	ge Simpson		
	<div cl<="" td=""><td>ass="ui</td><td>list"></td></div>	ass="ui	list">
	#{lis	st items:	users, as:'user'}
	<01	iv class= <i class="<br">div></i>	"item"> "right triangle icon"> \${user.firstName} \${user.lastName}
	#{/li 	.st}	

• Now, would like to reintroduce 'follow' link...

Home	Members	Profile	Logout			
Space Hom Marg	SpaceBook's Members Homer Simpson (follow) Marge Simpson (follow)					

Follow Link

<pre><div class="ui list"></div></pre>
#{list items:users, as:'user'}
<div class="item"></div>
<i class="right triangle icon"></i> \${user.firstName} \${user.lastName} (follow)
#{/list}

GET	/members/iollow/{id}	Members.tollow

```
public static void follow(Long id)
{
   Logger.info("Following " + id);
   index();
}
```

Follow Database Lookup

```
public static void follow(Long id)
{
   User userToFollow = User.findById(id);
   Logger.info("Following " + userToFollow.firstName);
   index();
}
```

- Use the id to search the database
- Get the user object from the database
- Log this to the console to make sure it works



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