

# Web Development

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Produced  
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# Assignment 2

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## Specification & Grading Guidelines

# Assignment 2 Specification

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- 15 Spacebook 'Stories'
- Deadline TBD

## Story 1

- Lab 09 introduced a 'data.yml' file in the conf directory containing initial user data loaded at startup
- Extend this data to include the full homer clan (and friends). Note, the number of spaces (4) before each field is significant.

```
User(homer):  
  firstName: Homer  
  lastName: Simpson  
  email: homer@simpson.com  
  password: secret
```

```
User(marge):  
  firstName: marge  
  lastName: Simpson  
  email: marge@simpson.com  
  password: secret
```

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## ***Story 2***

- Extend the User Model to include the following new fields:
  - Age
  - Nationality
- These fields must be filled in when a user registers.

## ***Story 3***

- For the new fields accepted in Story 2, display them on the users Home Profile page.
- In addition, on the users 'Public' profile (then one a friend can see), display just the 'Nationality' field

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## ***Story 4***

- Provide a way for a user, once logged in, to change some of their profile information. You could take two approaches to this:
  - Provide some extra fields on the home profile which could all be changed when the 'changeText' button is pressed.
  - Provide a link on the home profile - say 'edit details' - which takes you to a new page where you can edit the details.

## Story 5

- The Members page now shows a list of all members - including the currently logged in member. This clearly makes no sense and we should try to remove the current member from the list.
- HINT: This is the Members controller index method:

```
public static void index()
{
    List<User> users = User.findAll();
    render(users);
}
```

- The challenge is to remove the current user from the users list before we send it to the view. Objects can be deleted from a list using the remove method:

```
user.remove(someUser);
```

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## ***Story 6***

- In the members page - show each users name + their current status message.

## ***Story 7***

- If a user attempts to use a url (say <http://localhost:9000/home>) without being logged in, then the app immediately display the start screen..



### ***Story 8***

- Turn the list of messages on the home page into a table - with two columns. One column for the message text, one for the senders name

### ***Story 9***

- In the messages table on the home page (story 8), make the senders name into a link to the senders profile. In this way users can easily navigate from a message directly to the sender, and perhaps leave a message.

### ***Story 10***

- Change the Message structure such that it will have a 'Subject' field. Make appropriate changes in the UI to support this new field

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### ***Story 11***

- Deploy the application to [heroku.com](https://heroku.com)

### ***Story 12***

- Show a small version of the users picture in the friends and messages lists on the users home page.

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### ***Story 13***

- In the home page, allow the user to list all messages sorted by:
  - by Date message sent
  - by Sender Name
  - by Conversation, including messages sent and received
- Examples on next slides

# Sorted by Date Sent...

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

## SpaceBook: Home page for Homer Simpson

### Friends (3)

- ▶ [Marge Simpson](#) ([drop](#))
- ▶ [Lisa Simpson](#) ([drop](#))
- ▶ [Bart Simpson](#) ([drop](#))

### Messages

- ▶ Marge says... Where are You off to?
- ▶ Lisa says... Why are you not at work?
- ▶ Marge says... Why are you going to the pub?
- ▶ Marge says... Dont be late!
- ▶ Lisa says... Explain Yourself?

[BY DATE](#) [BY USER](#) [BY CONVERSATION](#)

- Buttons select ordering

# Sorted by Sender Name

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

## SpaceBook: Home page for Homer Simpson

### Friends (3)

- ▶ [Marge Simpson](#) ([drop](#))
- ▶ [Lisa Simpson](#) ([drop](#))
- ▶ [Bart Simpson](#) ([drop](#))

### Messages

- ▶ Lisa says... Why are you not at work?
- ▶ Lisa says... Explain Yourself?
- ▶ Marge says... Where are You off to?
- ▶ Marge says... Why are you going to the pub?
- ▶ Marge says... Dont be late!

[BY DATE](#) [BY USER](#) [BY CONVERSATION](#)

- Buttons select ordering

# Sorted by Conversation...

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

## SpaceBook: Home page for Homer Simpson

### Friends (3)

- ▶ [Marge Simpson](#) ( [drop](#) )
- ▶ [Lisa Simpson](#) ( [drop](#) )
- ▶ [Bart Simpson](#) ( [drop](#) )

### Messages

- ▶ Marge says... Where are You off to?
- ▶ Homer says... Im off to the pub?
- ▶ Marge says... Why are you going to the pub?
- ▶ Homer says... Doh!
- ▶ Marge says... Dont be late!

- ▶ Lisa says... Why are you not at work?
- ▶ Lisa says... Explain Yourself?
- ▶ Homer says... I am working!?

[BY DATE](#) [BY USER](#) [BY CONVERSATION](#)

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## ***Story 14***

- Introduce a new View called 'Leaderboard', which will show all users ordered as follows:
  - By most 'social' (most fiends)
  - By most 'talkative' (most messages sent)
- Examples on next slides

# Most Social...

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

## Social Leaderboard

- 1 Homer Simpson (inbox-5, outbox-3 friends-3)
- 2 Lisa Simpson (inbox-2, outbox-2 friends-2)
- 3 Marge Simpson (inbox-2, outbox-4 friends-2)
- 4 Bart Simpson (inbox-0, outbox-0 friends-1)
- 5 Maggie Simpson (inbox-0, outbox-0 friends-0)

[MOST SOCIAL](#) [MOST TALKATIVE](#)

- Buttons select ordering



# Most Talkative...

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

## Social Leaderboard

- 1 Marge Simpson (inbox-2, outbox-4 friends-2)
- 2 Homer Simpson (inbox-5, outbox-3 friends-3)
- 3 Lisa Simpson (inbox-2, outbox-2 friends-2)
- 4 Bart Simpson (inbox-0, outbox-0 friends-1)
- 5 Maggie Simpson (inbox-0, outbox-0 friends-0)

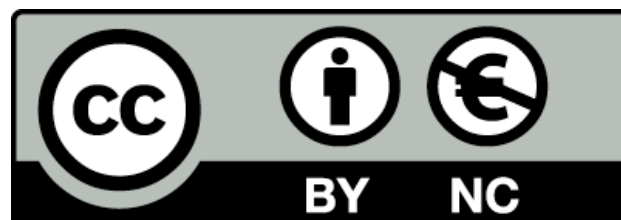
[MOST SOCIAL](#) [MOST TALKATIVE](#)

- Buttons select ordering

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## ***Story 15***

- Preload on launch:
  - Users
  - Messages
  - Friendships
  - Images



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