

Time: 2h

Name:.....

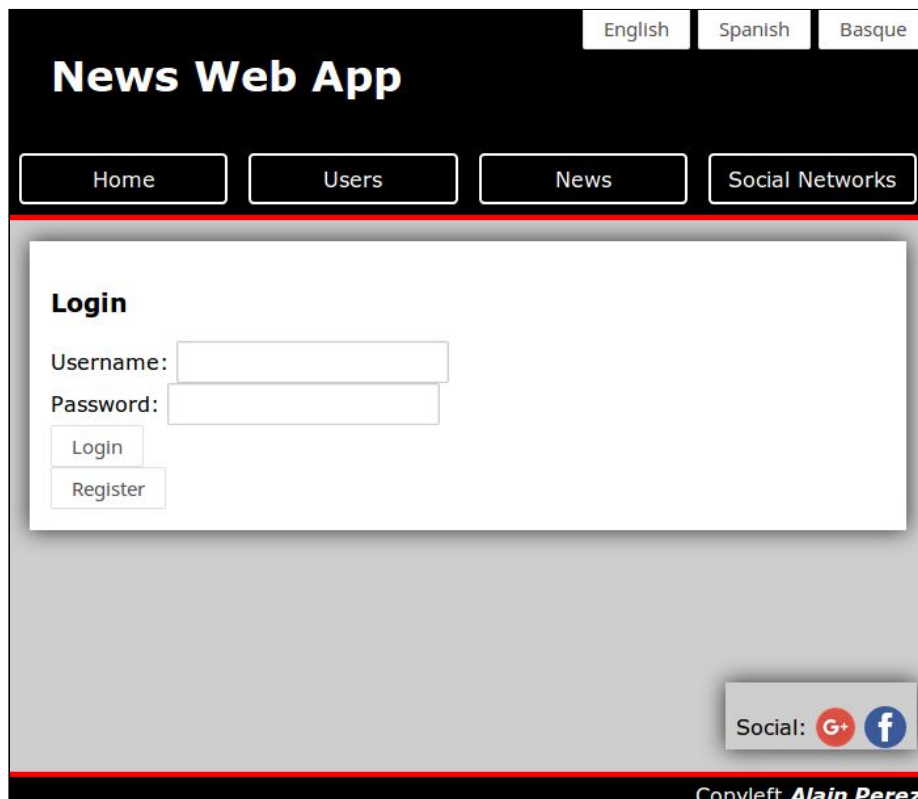
You will receive a zip file with all the needed content. Execute the SQL file to create the **social** table. Copy exam\_style.css file to your css folder and add it to your code.

The objective of this exam is to add the "Social" content type to the exercise done in the exam. You must use the patterns you learned in class (DAO, Facade, JavaBean...).

Draw also your MVC design of what you have done.

The code must support localization, so don't add text manually in the view. Nevertheless, adding the resource strings for Multilanguage is only 0.5/10 points, so do not waste time in this task at the beginning.

When you are finished you will need to upload the entire eclipse project in a zip file.



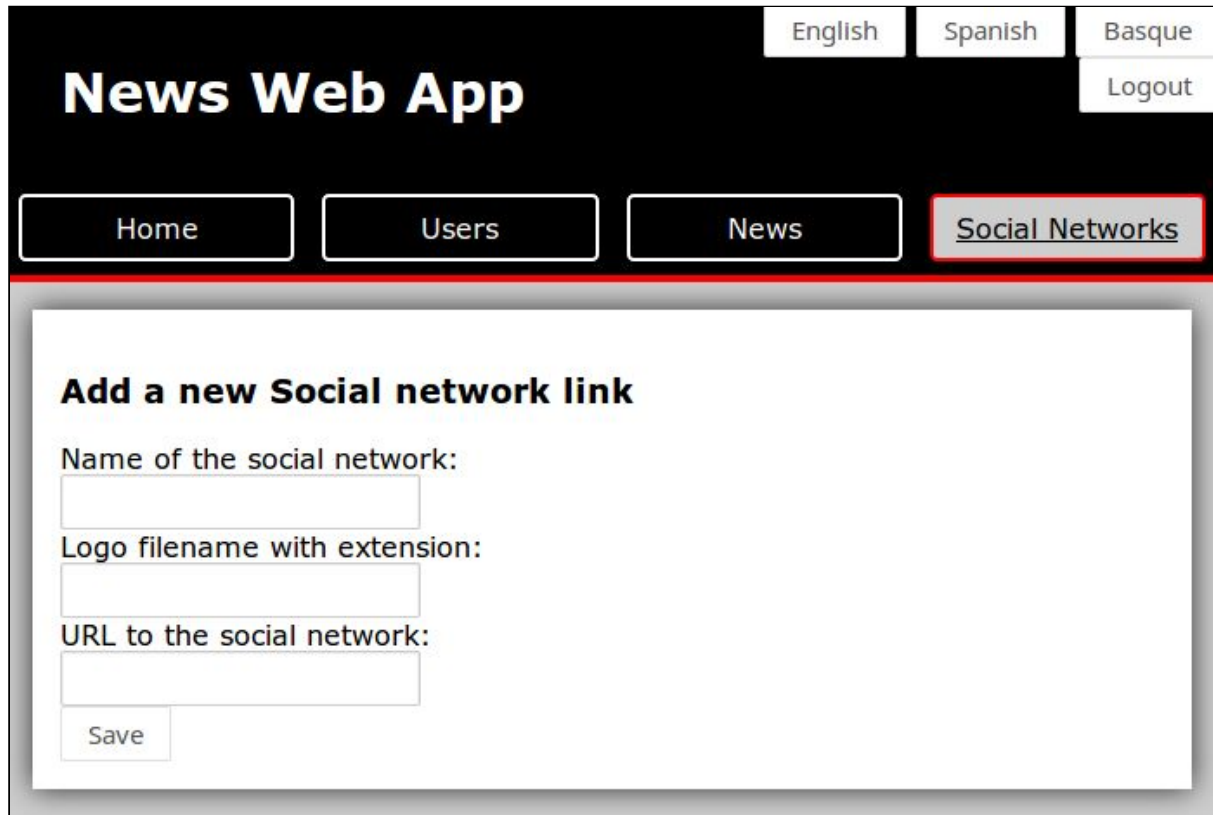
The screenshot shows a web application titled "News Web App". At the top right, there are language selection buttons for "English", "Spanish", and "Basque". Below the title, there is a navigation bar with four buttons: "Home", "Users", "News", and "Social Networks". The main content area features a "Login" section with input fields for "Username:" and "Password:", and two buttons labeled "Login" and "Register". In the bottom right corner, there is a "Social:" section with icons for Google+ and Facebook. The footer text reads "Copyright Alain Perez".

## Exercise 1 - Creation (5pt)

Add a **Social Networks** link in the header.

When it is clicked, a Form must appear in order to create social “elements”. The form must have 3 fields:

- **Name (socialName):** The name of the social network. (Goolge plus, Twitter, Facebook...)
- **Logo (logoUrl):** the URL to the logo of the social network in your project. (gplus.png, twitter.png, facebook.svg...).
- **URL (socialUrl):** the URL to the social network (<https://plus.google.com>, <https://twitter.com>, <https://facebook.com> ...)



The screenshot shows a web application titled "News Web App". At the top right, there are language selection buttons for "English", "Spanish", and "Basque", along with a "Logout" button. Below the title, there is a navigation bar with four buttons: "Home", "Users", "News", and "Social Networks". The "Social Networks" button is highlighted with a red border. Below the navigation bar, a form titled "Add a new Social network link" is displayed. The form contains three input fields: "Name of the social network:", "Logo filename with extension:", and "URL to the social network:". A "Save" button is located at the bottom left of the form.

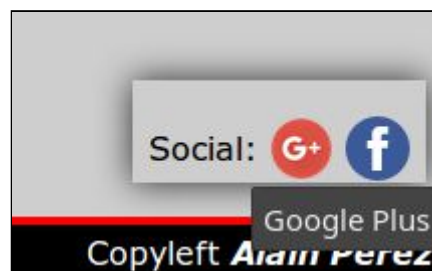
## Exercise 2 - Social Section (2pt)

Use an existing **template** or create a new one to show all social network links. Every time a user logs in, or every time a social network **controller** is called, all social networks must be loaded (think about the best scope for the variable!).

The social link must send us to the Social network. When we put our mouse over the socialNetwork div, the name of the social network should appear.

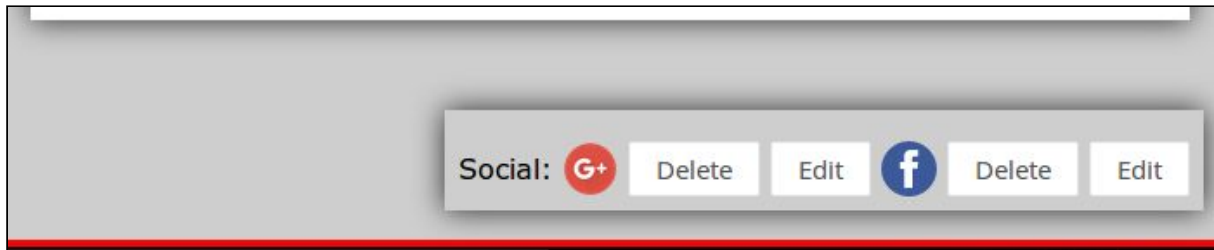
The css is prepared to work with this html:

```
<section id="social">
  <span>Social Networks:</span>
  <div id="socialNetwork"...>
    <a ...><img .../></a>
    <form...>
  </div>
  <div id="socialNetwork"...>
    <a ...><img .../></a>
    <form...>
  </div>
  ...
</section>
```

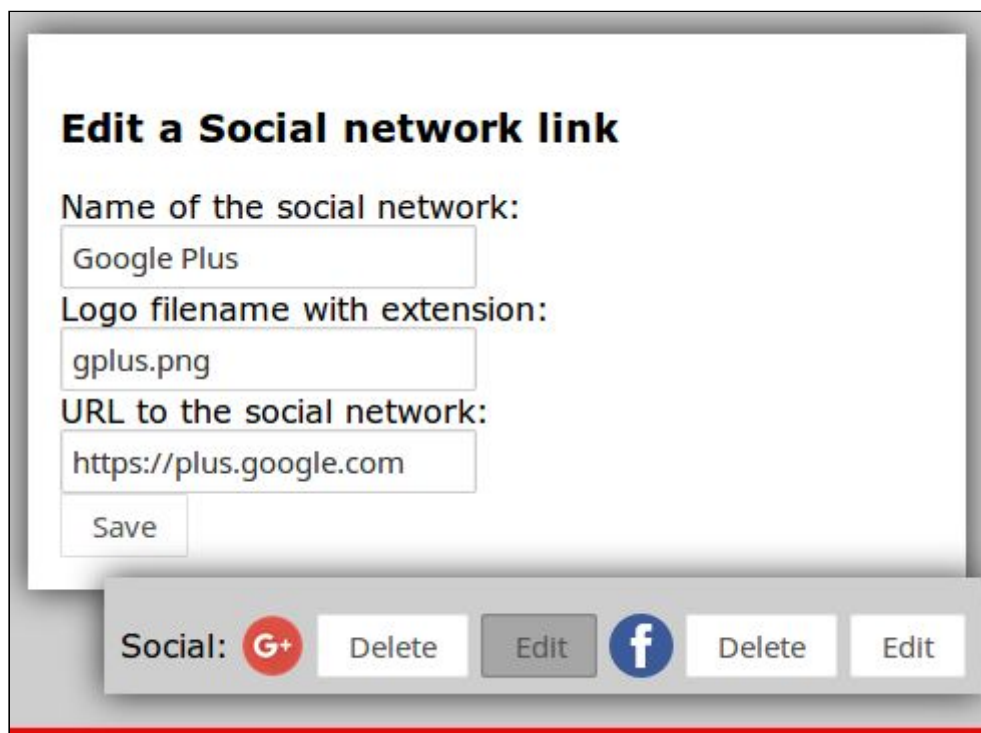


## Exercise 3 - Social Section (2pt)

Create Edit&Delete buttons in the social section on the right of each link.



The edit button must take you to the edit form, The form must be pre-populated with the old data.



The screenshot shows a form titled "Edit a Social network link". It contains three input fields: "Name of the social network:" with the value "Google Plus", "Logo filename with extension:" with the value "gplus.png", and "URL to the social network:" with the value "https://plus.google.com". There is a "Save" button at the bottom of the form. Below the form, there is a social section with two links. The first link is for Google Plus, with a red 'G+' logo. The second link is for Facebook, with a blue 'f' logo. Each link has a 'Delete' button and an 'Edit' button to its right.

The delete button should delete just the selected social element.

## Exercise 4 - Extra stuff (1pt)

Only logged users should be able to create/edit/delete the social elements. So take it into account in the controller. Moreover, only logged users should see the edit&delete buttons in the social section. (0.5pt)

Add the Multilanguage strings for each language. If you don't know Basque, add any text in other language in the Basque resource file. (0.5pt)