

Lab 4: PHP and files

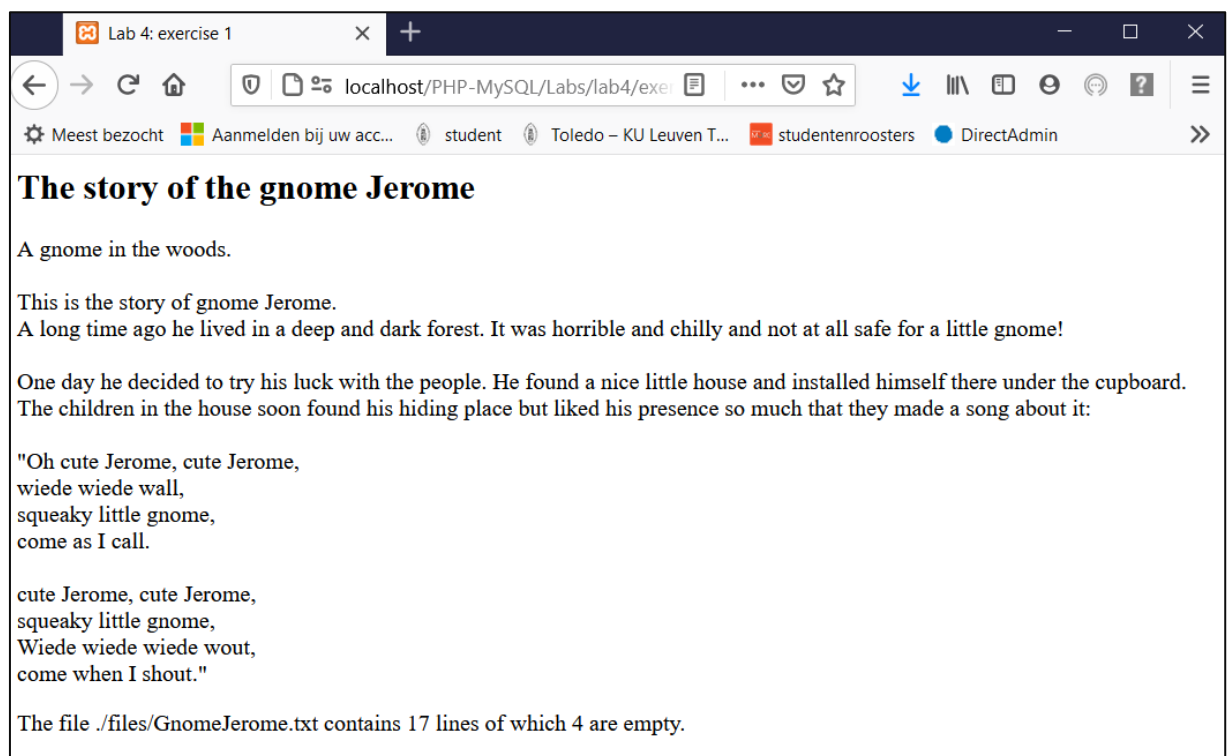
Exercise 1:

At the start files you will find a text file: "GnomeJerome.txt".

Develop a webpage in which you display this text file on the screen with the same number of lines. Also indicate how many lines the text file contains and how many of those lines are empty.

Catch errors and prevent HTML injection!

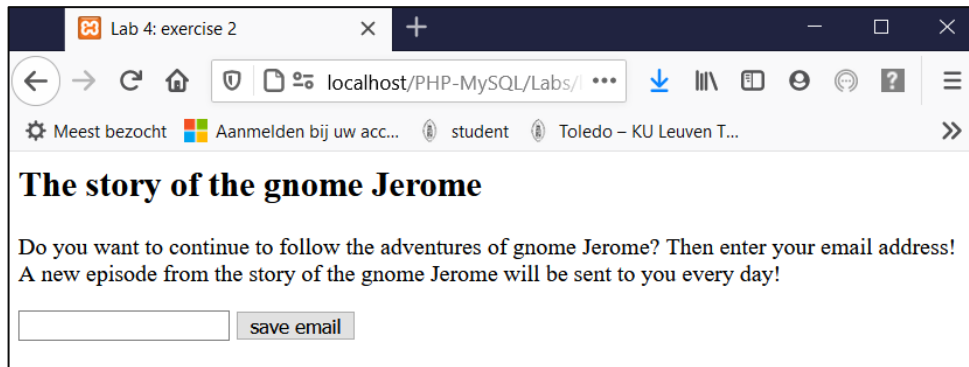
The web page looks like this:



Exercise 2:

Develop a webpage with a form on which interested surfers can leave their email address. Save those email addresses in a file. Make sure that each new address is added at the top and that each address is on a separate line.

Make sure you catch errors and prevent HTML injection! Also make sure that only valid email addresses can be entered.



Exercise 3:

Repeat exercise 2 and add an "admin module" button.



A pushing the button 'admin module' leads you to a new page where you see a list of all email addresses. Here you can delete or change the email addresses in the file:



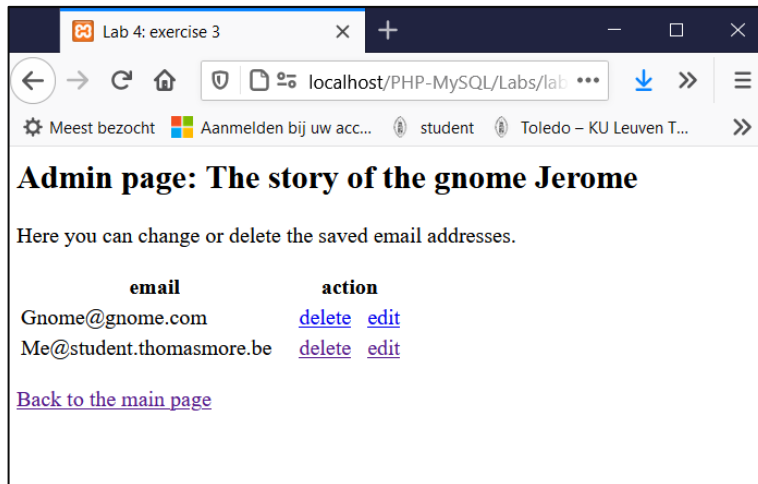
Clicking the link “delete” behind the email address of fan, removes that email address from the file and results in the screen below:



Clicking the link “edit” behind the email address of Me results in:



After adjusting the email address and pressing the "submit change" button, the new email address is saved in the file and displayed on the screen:



Exercise 4:

Develop a webpage where the user can enter a quote. This quote must be saved in a file.

Each time the user navigates to the quotes website, a random quote must appear on the screen from the saved quotes (file). (see figures 1 and 2)

In addition to adding quotes, the user must also be able to delete and modify existing quotes (administrator part of the website).

Catch errors and prevent HTML injection!

Figure 1: as long as the quotes file has not yet been created:

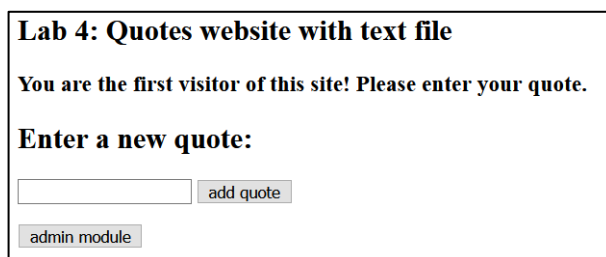
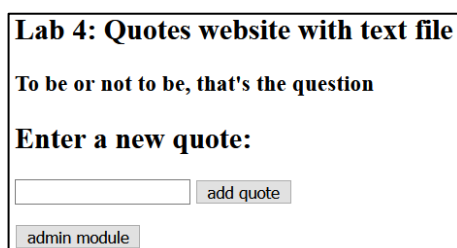


Figure 2: as soon as at least one quote was entered:



After clicking the button "admin module":

Lab 4: Quotes website with text file

Je pense, donc je suis

Enter a new quote:

To be or not to be, that's the question [delete](#) [edit](#)

less is more [delete](#) [edit](#)

Alea iacta est [delete](#) [edit](#)

Je pense, donc je suis [delete](#) [edit](#)

After clicking the link "delete" next to "Alea iacta est":

Lab 4: Quotes website with text file

To be or not to be, that's the question

Enter a new quote:

After clicking the "admin module" button again:

Lab 4: Quotes website with text file

less is more

Enter a new quote:

To be or not to be, that's the question [delete](#) [edit](#)

less is more [delete](#) [edit](#)

Je pense, donc je suis [delete](#) [edit](#)

After clicking the link "edit" next to "less is more":

Lab 4: Quotes website with text file

less is more

Enter a new quote:

To be or not to be, that's the question [delete](#) [edit](#)

less is more [delete](#) [edit](#)

Je pense, donc je suis [delete](#) [edit](#)

Make a change and press "submit change":

Lab 4: Quotes website with text file

less is more

Enter a new quote:

add quote

To be or not to be, that's the question [delete](#) [edit](#)

less is more [delete](#) [edit](#)

Je pense, donc je suis [delete](#) [edit](#)

submit change

Results in:

Lab 4: Quotes website with text file

Je pense, donc je suis

Enter a new quote:

add quote

admin module

Pushing the button "admin module" again results in:

Lab 4: Quotes website with text file

Je pense, donc je suis

Enter a new quote:

add quote

To be or not to be, that's the question [delete](#) [edit](#)

Less Is More, he said [delete](#) [edit](#)

Je pense, donc je suis [delete](#) [edit](#)

Exercise 5:

Adjust the previous exercise so that the quotes are written to an xml file with the following structure:

```
<quotes>


  <quote>
    <description>put here the quote text</description>
    <picto>put here the path to the quote's icon/picture</picto>
  </quote>

  <quote>
  ...
  </quote>

</quotes>
```

When the page is reloaded, not only a quote but also the corresponding icon is displayed:

Lab 4: Quotes website with XML file

carpe diem



Enter a new quote:

quote text:

pictogram:

And after pressing the "admin module" button, both the text and the icon can be modified:

Lab 4: Quotes website with XML file

It's raining cats and dogs


Enter a new quote:

quote text:

pictogram:

quote	pictogram	action
To be or not to be, that's the question!!!	./picto/thumb_toBe.jpg	delete edit
carpe diem	./picto/thumb_carpe.jpg	delete edit
de appel valt niet ver van de boom	./picto/thumb_appel.jpg	delete edit
It's raining cats and dogs	./picto/thumb_catsAndDogs.jpg	delete edit