



## Assignment 5 (NF)

Due: Mon 17.11.2014; 16:00h (1 Week)

### Task 1: JavaScript, DOM und HTML

This week you are asked to implement a small application with JavaScript which should allow the user to search a text for a given term.

Your submission should meet the following requirements:

- There is a text field (`<textarea>`) in which the user can enter a text. This text will be used to look for the search term.
- There is another text field (`<input />`) in which the search term is entered.
- Clicking a button will trigger the search:
  - If one of the text fields is empty, the user should be notified accordingly.
  - If the search does not return any results, i.e. the search term does not appear in the text, the user is notified accordingly.
  - In all other cases, the entire text is shown. The search terms are clearly highlighted inside the output.

### Notes:

- You can use `str.replace(searchvalue, newvalue)` to search and replace a string inside another string.
- You are likely to encounter a few problems if you use `str.replace`. If you do:
  - Document what the problem is.
  - Identify what kind of problem it is.
  - Perform a google search with the exact error message that is shown in the debugging console.
  - Attempt to solve the problem according to the solution you found on line.
  - Document this entire process and make it part of your submission!
- Please make sure to comment your code to facilitate fast correction of your submission.
- Incomplete submissions are welcome. In that case, please make sure to include a `Readme.txt` file in which you tell us, what parts are not working.