

Web technologies

Exercise Set 4

1. Implement a search functionality in a list of items containing a given string by use of jQuery *traversing* (<https://api.jquery.com/category/traversing/>) as follows:
 - Create an **ul** list with the name **items** and an **input** with the name **searchphrase**.
 - After typing a string of at least three characters into **searchphrase**, the background for items containing this string should be set to yellow, while the text of the other items should be set to light grey.

You can earn 2 bonus points by applying the yellow background not to the whole matching list item, but to the matching fragment only.

[2+2p]

2. Implement a B.S. Generator analogous to the one available at <https://www.atrinxnet.com/bs-generator.html>, in which you should:
 - utilize the jQuery capabilities;
 - store the list of words as variable(s) of the script, and then add them to the displayed list elements with jQuery/JS code (specifically, the words should not repeat in the page source twice, unlike the reference example).

[2p]

3. Create a gallery of photo thumbnails (e.g. 4×4) and a text field **log**. Then add the following functionalities:
 - After clicking on a thumbnail, it should be marked by setting a border (e.g. red); additionally, set its 'variable' **marked** to **true** using the **data** function.
 - Add button(s) for marking and unmarking all thumbnails.
 - Add a button for adding the names or IDs of marked photos to **log**. Ensure the **data** function is utilized.

Utilize the full power of jQuery capabilities to handle events, manipulate the DOM, modify style sheet or displayed text, etc.

[3p]

4. Using the modal window demo at <http://jqueryui.com/demos/dialog/#modal-form>, implement an analogous setup with:
 - A list of items with columns: first name, last name, town, post code, birth date.
 - A functionality of adding an item analogous to the example, in which the date should be entered with a calendar widget (see <http://jqueryui.com/demos/datepicker/>) and appear in the DD-MM-YYYY format.
 - A functionality of deleting any item via a link appearing next to it, which pops up a confirmation modal window (with 'yes' and 'no' buttons, see <http://jqueryui.com/demos/dialog/#modal-confirmation>).

[3p]

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