Middleware GSD (WS 2017) – Exercise 9

Submitted: 10. Jan.2018

Educational Objective:

Node.js Basics

Task 1 (Node.js Programming Language):

Please implement a Node.js function that checks for any string if

1. All 5 letters 'f', 'u', 'l', 'd', and 'a' are included (in any sequence) and
2. The string 'fulda' is a substring of the given string.

If 1 holds (but 2 does not), return 1.
If both 1 and 2 hold, return 2.
Otherwise return 0.

Examples:

```
checkFulda("somefxuxdxlxamm") -> 1
checkFulda("someOtherValue") -> 0
checkFulda("xyfuldaping") -> 2
checkFulda("somefxuxdxlxammfuldav") -> 2
```

Task 2 (File Handling and Forms in Node.js):

i.   Modify task 2 from sheet 1 so that now when you click the 'Calculate' button your Node.js program will not only calculate the total amount but also a write a record with the net amount, the tax rate, the currency, the date of the request and the browser type used in the request to a file!

ii. Add another button and a currency drop-down menu to your HTML form to show all records for a given currency (you may search the tax records file sequentially).