

Problem Set 2 – JavaScript

Problem 2a (10pts.)

JavaScript is a case-sensitive language: keywords and variables are case sensitive, HTML is not. The question is whether the HTML handlers for JavaScript are case sensitive or not. Please consider the following notation and answer which one will work correctly?

Example1: `<body onLoad="alert('Page Loaded');">`

Example2: `<body onload="alert('Page Loaded');">`

Answer: Only the first one Only the second one Both None of them

Graded: all or nothing (harsh grading, but compensated by "DL" points)

Explanation: onload is an HTML attribute that allows to associate a JavaScript action with an event. HTML attributes are not case sensitive. Both will work since the command syntax inside ""'s is correct in both cases.

Problem 2b (10pts.)

Explain briefly how is it possible to check if the particular Web page was loaded inside a frame system? How can one prevent loading a page into a frame set in a JavaScript enabled Web browser? Answer by showing a very short fragment of JavaScript + HTML code that does this kind of prevention.

```
if (window.location!=window.top.location)
    window.top.location = window.location;
```

```
// 5 points for checking the condition, 5 points for reloading,
// -2.5 per minor problem, -1 for use of deprecated feature (leanint in JavaScript)
// Note: use of window.document.location is deprecated and receives partial credit
// Purpose: tests if you did the second homework assignment, and if by yourself
```

Problem 2c (15pts.)

Please provide the fragment of JavaScript code that sets the selection in the provided choice list to "A" and unchecks the check box?

```
<form name="exam1">
  <select name="gradE">
    <option value="A" /><option value="B" /><option value="C" selected="selected" />
  </select>
  <input type="checkbox" name="DL" value="DL" checked="checked" />
</form>
```

Answer: (just a fragment of JavaScript code)

```
// the correct answer for changing selection:
```

```
document.exam1.gradE.selectedIndex=0;
```

```
// However, some Web browsers will also allow you to do it by changing value:
```

```
document.exam1.gradE.value= "A";
```

```
// the correct answer for unchecking the checkbox: (you can use false, 0, null)
```

```
document.exam1.gradE.DL.checked = false;
```

```
// 7.5 points for each correct action for the two requested actions.
```

```
// in case of some problems within action -2.5 points per problem until 7.5.
```

```
// -15 points for HTML code that produces a new form, that was not asked for.
```

```
// Purpose: tests if you did the third homework assignment, and if by yourself
```


