Dynamic Web Authoring – COM 353

Nested Looping and Validation

Task 0 – Get Informed

Revise the lecture notes

Understand the class examples

Use the following online tutorials to reinforce your learning:

http://wps.aw.com/aw_webwizard/234/60015.cw/index.html

http://www.javascriptworld.com

http://www.w3schools.com/JS/default.asp

Task 1

Explain the following html example. What will be displayed in a web browser?

```
<!DOCTYPE html>


<html>
<head><title>multiplication table</title>
</head>
<body>

<table border="3" cellpadding = "6">
<script language="javascript">
for (j=1; j<=3; j++) {

    document.write('<tr>');
    for (i=1; i<=5; i++) {
        document.write('<td align="right">',i*j,'</td>');
    }
    document.write("</tr>\n");
}
</script>
</table>
</body>
```

```
</html>
```

Modify the script above to be able to search '9' from the table created.

Task 2

Create a web page for a car insurance candidate classification.

When a visitor inputs first name, surname, age and marital status, the web site will provide information on his/her insurance class according to the rules below:

   i.   if the age is above 30 (include 30) and married, the car insurance is 'class 1';

  ii.   if the age is above 30 (include 30) and single, the car insurance is 'class 2';

 iii.   if the age is below 30 and married, the car insurance is 'class 3'; and

 iv.   if the age is below 30, single, the car insurance is 'class 4'.

Task 3

Improve the script above to validate:

   i.   Visitor fills in reasonable names, such as only contains characters (a-z and A-Z);

  ii.   Visitor fills in a reasonable age for the insurance checking, for example, the age can only contain digits and must be 17 and above.

Task 4 – Update the Learning Log

In learning log, summarise the learning activities and the techniques you used, also provide the links to the html files that you developed in the above tasks.