**CM1605 Web Technology**

**Tutorial 7**

The aim of this tutorial is to practice JavaScript control structures, functions and repetition and use of HTML forms.

This is an individual exercise. You may use any text editor (Notepad, Notepad ++) to create the HTML pages and any Browser application (chrome, IE, firefox etc) to run the web pages.

Note: **Use proper indentation, comments and proper naming conventions for variable naming where applicable**.

Use the tutorialstartuo.html file to complete the below tasks.

**Task 1**

1. Copy the functions getRadioValue, getSelectedValue and getSelectedText from the lecture notes and place these in your script tag.
2. Add an event handler onchange to your select, so that when the selected option changes, the function CheckOptions(this.form) is called.
3. Create the function called CheckOptions(formRef) as follows
   1. Read the value of the selected option (phone camera options), and if it contains the String “triplecam”, replace the current 3 images, with the phone with triple camera images.

(Hint: change the src attributes)

* 1. Read the chosen phone color from the radio button on the form, and save it in the chosenPhone variable.
  2. Add a call to the function displayPhone (chosenPhone) at the end of the CheckOptionsfunction.

1. Create the function displayPhone ( phone ) as follows:
   1. The phone variable will contain the colour chosen by the user so simply create a switch case so that if the phone chosen is the “white” one, the innerHTML of the div with the id order should be equal to the product div of the white phone. We need to add the id=“product1” to the first product for this, “product2” for the second, etc to facilitate this task.
   2. If no phone was chosen, this order div should be empty
2. Add an eventHandler onReset to the form, so that when the form is reset, the function resetOrder is called. Create the function resetOrder () as follows:
   1. The images displayed will be the ones without triple camera – Empty the order div.

**Task 2**

1. Replacing onReset event added in Task1 with add event listeners
   1. Remove the onReset event attribute from the form
   2. Add the below even listener at the end of the JavaScript

document.forms[0].addEventListener(“reset”, resetOrder);

Note: You have to remove the “on” prefix in the event and you call the same function (resetOrder) without brackets.

1. Replace onChange event of drop down list
   1. Remove onChange event attribute of the drop down list and add an eventListener in similar way as in previous example.

document.getElementById(“cameraOptions”).addEventListener(“change”,function() { checkOptions(this.form) });

1. Add onChange event for radio buttons
   1. Include ids for 3 radio buttons as same name like value

<input type="radio" name="colour" value="white” id =“white”>

* 1. Add following event Listener at the end of javaScript code.
  2. Addressing radio button with value white

document.getElementById(“white”).addEventListener(“click”,function() { displayPhone(this.value) });

* 1. Add two eventListeners two remaining radio buttons in similar way as above

***Note: Now that you have separated the JavaScript code entirely from the HTML***