CPS630-W21, Lab 1 – Web Applications (Lab sessions: Jan 26 & Jan 29) **Due: Feb 1st, 2021, 11:59pm**

Objectives

- Making a Team of 3
- Part1: Reviewing the common requirements to build a normal web-page using HTML5 and CSS
- Part2: Reviewing features to select, handle events, and modifying elements via DOM and JavaScript

Part1 Instructions: [2 Mark]

1-Create files with these names "lab1-Part1-Team#.html", and "lab1-Part1-Team#.cs", add your code at each step to the relevant file.
2-Create a web-page that consists of text box at the top of the page with two drop-down lists (see step 3 below). The title of the page is "Electronics-Center".
3-The "Type" list at the right of the page contains choices: "LapTop", "NoteBook", "Tablet", and "CellPhone". And the "Action" list at the left of the page contains choices: "Archive", "Edit", "Delete", and "Collection". The drop-down list items should have numeric values starting with 0.
4-Create a table of electronic devices and then add images of your 3 favorite devices in it (with proper sizes comparing to the size of the table). Add the images in a column at the left of the table. Next to each device image (at the left of the image column) add a radio button.
5-Create 5 other columns at the right of the image column in that table with these titles (title of each column is at the top of the table): 1) "Name" which is the name of the device, 2) "Company" which is the name of its producer, 3) "Year" which is the year of its production, 4) "Type" which is its type, and 5) "Actions" which is a list of action buttons (see step 6 below).
6-At the row of each image and at the right end of the table, under the Action column, add a list of 4 action buttons beside each other. The action buttons in each row are a series of <button> containers with a dummy link (now) that can get commands to apply on each image.
7-While some of the styling has been provided by this time, you can add additional CSS styling to the page above (e.g.: you can add an image on each of the action buttons).

Part 2 Instructions: [2 Mark]

Use the Web-page you designed and developed in part1, now name it "Lab1-Part2-Team##.html" and apply the following instructions on it:
1-jQuery provides two fading commands: fadeIn() and fadeOut(). With fadeOut() it reduces the clarity of the element to almost nothing and hides the element completely, so there will be more space for other elements to re-position, while with fadeIn() it brings the clarity back to the element and relocate it in its position.

a) Try to add fadeIn() and fadeout() commands for each image in Part1using the radio buttons next to it (add another radio button beside the one you already made in part1). Set the radio buttons to toggle between fadeIn() and fadeOut() using different colors, numbers or text on them. For example by clicking on radio button1 the relevant image is invisible and by clicking the radio button2 the image is visible again.
b) Try to add fadeIn() and fadeout() commands for each image information (the information beside each image) using another set of two radio buttons.

2-jQuery provides the strong feature of animation (see the class examples using HTML, CSS, and JavaScript commands). Can you add any animation (for small size items) in your Lab1-Part2 page above?

Note- Test your created pages above using a browser on your computer.
Note- Feel free to improve your created pages above (changing the number of input items and the form of layout).
Note- The web-pages you have created in the labs so far, will be improved and linked during the next labs.

Deliverables & Marking Schema

- Students are required to go through the instructions above, discuss their solution via team work, and finally submit their solution through D2L. Only ONE submission is required for each team.
- Teams are also required to indicate their work to the TA, asking their questions and getting directions from the TA during the lab. Leaving the lab without discussing the results with the TA, means no mark for that lab.
- The TA will mark assignments by monitoring your work during the lab and running the final submission.
- The marks for each lab contains two parts: 1) Attendance mark for each member (during the lab time) [1 Mark], 2) Solution marks only for attended members. [total 5 Marks]