COMP-3077
Web Data Management

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School of Computer Science
https://cs.uwindsor.ca

Assignment #1

Due date: submit by Friday Jan 19 on Brightspace

Instructions:

- **5 points for complete work**. This assignment should be done individually.

- Late submission is subjected to a **10% per late day** penalty.

- You need to take screenshots (screen prints) for some parts of the questions.

- On "MyWeb", in public_html folder, create a folder named COMP-3077-W24, a subfolder in COMP-3077-W24 named assignments, and a subfolder named assignment1 in assignments folder.

- To do so, you need to login on https://myweb.cs.uwindsor.ca and use the "file manager" under your "account section". Click on "System Info & Files" and create the folders.

- You should upload the files *assignment1.html, convertusdtocad.html*, *form.html,* and *successfully_submitted.html*, inside assignment1 folder.

- **Submit the links for all of files on assignment 1 page in Brightspace.**

- In assignment1 folder create 2 subfolders, "pictures" folder that stores the screenshots, and "js" to store the JavaScript files. You will be uploading all screenshots into pictures folder and the file *currency_convert.js* into js folder.

- In *assignment1.html*, you will answer question1 with its subquestions. Format each question, the question parts, and the answers using different level of html headings, all screenshots must be stored in pictures folder and captioned.

- A skeleton html file for answering question 1 is given below.

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```
<!DOCTYPE html>

<html>

        <head>

        </head>

        <body>

                <h1> Question 1: Follow the instructions in the … </h1>

                <h2> Take a screenshot for the created database <h2>

                <h3> THE ANSWER SHOULD BE WRITTEN HERE <h3>

                <img src="pictures/screenshot1.jpg" alt=" this screenshot
                describes the created database..."> <center> Figure1: creating
                the database</center> <img>

        </body>

</html>
```

Questions:

1. Follow the instructions in the "Orientation" slides.

    a. Take a screenshot for the created database as the one in slide "MySQL in MyWeb".

    b. Take a screenshot of the created table in slide "Create users table".

    c. Take a screenshot for the result of inserting record in slide "Insert into users table".

    d. Take a screenshot for the result of querying a record in slide "Query users table".

2. Write HTML/JavaScript web page called *convertusdtocad.html* in assignment1 folder, that has the following items:

    a. Two text items labeled as "USD Dollar" and "CAD Dollar", the first (USD dollars) is enabled with id="usd", while the latter is disabled with id="cad"

    b. One button is named "convert".

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    c. **Functionality**: when the user clicks on the button, a JavaScript function named "convert" will be called to convert the value is entered in the "usd" item to the "cad" item using the current/daily conversion rate. The JavaScript function must be written in a file named *currency_convert.js*.

3. Create *form.html* and *successfully_submitted.html* files in assignment1 folder, in *form.html* you will be creating the form that is shown in Figure 1 below. The form is redirected to *successfully_submitted.html* once you submit the form using the POST method. All fields must be required. For id, if you choose "Yes", a file field must appear in the form. If you choose "No", the file field must be removed. <u>For now, you don't need to implement the file field to upload any files.</u>

4. Use the function JavaScript `document.getElementById()` to show the file field. You may use internal or external JavaScript function.

5. **Note**: the "name" attribute of both radio buttons should be the same. This is because they are part of the same radio group, and you want to allow only one option to be selected at a time.

6. The HTML file *successfully_submitted.html* should only have one line: "The form data has been successfully submitted".

First Name: | First Name:
Last Name: | Last Name:
Email: | Email:
ID: ◉ Yes ○ No | ID: ○ Yes ◉ No
Choose File No file chosen | Submit
Submit |

Figure 1: HTML form