5Course:	**INFO3114**
Professor:	**Oscar Lara**
Project:	**Midterm**
Due Date:	**Tuesday, June 16th, 2020 8:00 pm**
Submitting:	**Submit your zipped files/solution to midterm-practical submission folder**

How will my lab be marked?

Possible marks are displayed at the beginning of each requirement, for a total of 10.

This is an open book exam, you are welcome to use any provided material as reference only, copy/paste from my code will grant you zero marks. Use your own functions, variable names, and logic, you are welcome to reuse my "AJAX" call function, you just need to rename it.

Submission folder will be closed by 8:00 p.m. you need to upload your solution before 8:00 p.m.

Midterm Description

1. Use your lab 2 as a start point or create a single "html" file from scratch.

2. (1 marks) On page load initialize (or create if you are starting from scratch) "beerProducts" array with all data from the beer API (parsed as JavaScript object after AJAX call). Do not call the beer API again (no marks granted if called more than once).

3. (2 marks) Render an html table on screen displaying first 50 elements of the array as follows (see screenshot as well):

   a. Display 4 columns on table: Index, Name, Image and Type (this is a button that will display an alert message, see step 5)

4. (1 mark) Add CSS style (background colour, margin, padding, etc.) to each element on the screen. i.e. label, column, table, etc.

5. (1 mark) When pressing "Show Type" button on last column, display beerProducts, "type" property for selected index, using a javascript alert window, i.e.:

6. (1 mark) Your images (all of them) size must be 150 px by 150 px.

Screenshot (Example).

Show next 50 elements in the array

Index:	Name:	Image:	Type:
0	Mad Jack Mixer		Show Type
1	Mad Jack Hard Root Beer		Show Type
2	Keystone Ice		Show Type
3	Mad Jack		Show Type
4	Rickards Radler		Show Type
5	Belgian Moon		Show Type

7. (2 marks) Add a button at the top of the page allowing to display next 50 elements from the array, every time the button is pressed you should render the next 50 elements. (no marks granted if you make another ajax call to the API for this, you must use initial load populated array)

8. (2 marks) While pressing button (step 7), if you have reached the end of the array display the first 50 elements again. (no marks granted if you make another ajax call to the API for this, you must use initial load populated array)

Notes: (Do not try the API link with chrome it won't work)
API Url: https://rsd05guo67.execute-api.us-east-2.amazonaws.com/default/beerstore
API key: 32isbi7Lug22v8CKogygf5b2EZwpdFhS2OotvWem

If you are using "var request = new XMLHttpRequest();" as shown in our lectures, you just need to add the following after request.open:
"request.setRequestHeader('x-api-key', '32isbi7Lug22v8CKogygf5b2EZwpdFhS2OotvWem');"

Screenshot from provided example:

```
//Open a conection using URL
request.open("GET", url);
request.setRequestHeader('x-api-key', '32isbi7Lug22v8CKogygf5b2EZwpdFhS2OotvWem');
```

Important Notes:

Some images are broken, that is normal, however NOT all of them are broken, see screenshot for an example.

You will lose 2 marks if you do not zip your file as indicated, use zip extension only.

You will lose 1 mark if no CSS is added to your implementation.

Fanshawe College policy will be followed in case or cheating or plagiarism.

If your implementation throws any errors on the console, you will receive zero marks.

If you page does not load or does not work as indicated NO marks will be granted.

Include a README.txt file on your zip file if you need me to follow any instructions.