Course:	**INFO-3168** – JavaScript 2
Professor:	Marcelo Hespanhol
Project:	Project 2
Due Date:	Saturday, Aug 17, 2024, at 11:59 PM
Submitting:	FOL Submission Folders, Project 2
Weight:	20% of the final grade

Document Last Update: Wednesday, June 26, 2024

Note: You can work alone on this project or in a group of **2** students. **Either way**, you MUST be assigned to a group in FOL to see the submission folder (you can be the only student in a group). Go to FOL, menu Communications / Groups. You have until **July 29th** to join a group. After that, you will automatically be put alone in a group.

Overview:

The objective is to create a fully functional front-end app. Although the focus will be on the **JavaScript** and **HTML** part of the project, you are expected to create a good user interface (UI) and provide a great user experience (UX), which will require the use of **CSS** as well.

On FOL you can find a video explaining more details about the project and an example of the working app.

Important: take this instruction as a minimum requirement. Feel free to improve over this lab. Just make sure your lab still follows the rubric that will be used to grade it.

Description:

For this project, let's assume you were hired by a company to develop their app. The client has a list of the requirements of what the app must do, but how to create the app is mostly on you.

BACKGROUND:

One Free Pizza is a company looking to give back to the community. Its owner wants to give free pizzas to everyone that puts their order in a web app.

Here is what the client is expecting for their app:

- The app will have **3 pages** and all pages must have a menu that allows navigating between them. The pages are:
    - **Home**
      This is the home page of the project. It will contain only a simple text explaining the initiative.
    - **Get Your Pizza**
      This page is where the customers should go to send their orders.
    - **Orders**
      This page will list all orders sent to the app (yes, all orders are public).
- For submitting an order, people must fill in a form with the following fields:
    - **Style:** people can choose one of the available styles: Hawaiian, Pepperoni, Canadian, Supreme, Cheese, or Margherita.
    - **Crust:** people can choose one of the available options for the crust: Original Crust, Thin Crust, or Gluten-Free Crust.
    - **Extra Cheese:** people can choose whether they want to add extra cheese to their pizza or not.
    - **Name:** the name of the person that is ordering the pizza.
    - **Address:** the address where the pizza will be delivered to.
- The client doesn't want to receive incomplete orders. All fields are required and must be validated before submitting an order.
- The client has another team managing their database. Both services will be integrated using **REST API**, which was already developed by the other team. Your job is to send and get data from that API.

    - The documentation for the integration is available on their website: https://main.d23u253yebcoo5.amplifyapp.com/one-free-pizza
    - Submitting the order must send it to the API.
    - For the orders list, you must retrieve all the orders from the API and display them on the page.
    - For each delivered order, they want to have an option to remove the order. That should remove the order from the page and from the database. (API)
- They are also worried about the UI/UX.
    - The app must have a good interface and look nice.
    - Also, they want the user to be aware when the app is processing something, so it is important to show messages like “Loading” or “Sending” when necessary.

REQUIREMENTS:

Most of the development choices used in this app will be up to you, but there is a list of requirements you must follow for this project.

- **Your app MUST be developed using JavaScript:** after all, you are expected to demonstrate what you have learned during the classes.
- **It MUST be a web app:** it will be tested using Google Chrome.
- You can choose any technic discussed throughout the semester to develop your app, including classes, promises, closures, etc. They are not required though.
- You can use any styling method you prefer: CSS, Bootstrap, Tailwind, and so on. The important here is that the app looks professional.

Take a look at the rubrics available in FOL to be aware of what I will be looking for in your project while evaluating it. Any extra functionality is welcome!

SUBMISSION:

Submit the **zip** file containing your project to the appropriate folder in FOL by the deadline. Only one submission per group is necessary.

Do NOT submit the files without compressing them into a single zip file.

EVALUATION:

1. You are expected to properly submit your assignment by the deadline specified in this document. In doing so, this project will be evaluated based on this requirement, your delivered code, and the final functionality of your app on a browser. A detailed rubric is attached to this lab's submission folder in FOL.
2. The wrong submission will result in 0 marks awarded for this assignment.
3. Late submission will be penalized according to the following criteria:

Until 24 hours late	30% deduction
Until 48 hours late	40% deduction
Until 72 hours late	50% deduction
After 72 hours late	**Grade of 0**

Important Notes:

- If any corrections or changes to the instructions are necessary, they will be posted to FOL, and you will be notified. It is your responsibility to check the site periodically for changes to the assignment.
- Submit your own work and keep it to yourself! Submitting work from another source, or done by another student, is considered cheating and will be penalized by a grade of 0 for all shared projects. This will also be reported to the college, and a more severe penalty may be applied.
- Do not leave this assignment to the last minute. If you have any issues at the last minute, your professor may not have enough time to read and answer your questions. Not receiving a reply from the professor will NOT be an acceptable excuse to not deliver the project on time.