HOMEWORK #3

Apollo is an independent coffee delivery company that specializes in making the finest coffee out of the highest quality ingredients. The company wants to develop an online ordering system so that their customers can order from their laptops (rather than via the phone). This is where you come in! Using your knowledge, you will develop the online ordering system for *Apollo*

The Interfaces

You are asked to design five interfaces for the system.

1. **Administration Forms:** The staff at *Apollo* must be able to add new coffees to the menu whenever they come up with new creations so they need a simple form to make the process of adding data to the database straightforward. Note that each coffee is charged with its type. For example, the price of the small size latte and the price of the tall size are not the same. For this reason, when each new type of coffee is registered into the database, it is necessary to determine the price for its different sizes. You should design the pages accordingly

2. **Customer Account Form:** Each customer needs to have a **unique customer number** to order coffees. To get this number they must create an account with *Apollo*. There are three parts to the customer account form:
    a. A form to fill in the customer details (Sign-up page)
    b. A control for e-mail validation
    c. A confirmation page or alert messages advising that the account has been created

3. **Customer Login Form:** Each customer should login to the system in order to give their orders.

4. **Customer Order Form:** The customers may list all the types of coffee and make their orders. All customer's information should be represented at top of this form. There are five parts to the order form:
    a. A form to indication how many coffees they wish to order
    b. A form where they can indicate what type of coffees they wish to order
    c. A confirmation page that summarizes the order and allows for entry delivery date/time (now, in 35 minutes, tomorrow)
    d. An order confirmation page, with delivery details
    e. A final "thank you" page with the order number displayed (You should generate the order number)

5. **Current Orders:** In this final section you will create a script which will display the most recent 10 orders that *Apollo* has received.

Tasks

1. Create the database on MySQL / PostgreSQL / SQL Server 20XX or an equivalent NoSQL database/ Firebase.
2. Insert data (coffee, customer, order etc.) into the database
3. Create web pages using HTML, CSS, JS
4. Pass information from a HTML form to a script for processing and interact with a database through scripting
5. You are free to design the web pages. I am very eager to see your own original designs.
6. Publish your web site via Github
7. Gather all the JS, CSS, Html, server-side script files and images you use for the web site in **one folder**. Name this folder with your student number. Zip your folder and upload it to the system.