CPRG256

LAB ASSIGNMENT 4 INTRODUCTION TO JAVASCRIPT

On your computer, create a directory titled ‘cprg256/lab4’.

Café Europa has take-out and small dine-in location. If customers can order online and choose a convenient time for pick up.

Use HTML 5, CSS and JavaScript to create a web application for ‘Café Europa’. The application will do the following:

The Customer will enter their contact information

They must choose a time if they pick up the order

Calculate the cost of the order and display it on the page.

Page Requirements:

* Textboxes for: Name (first and last) and contact Phone number.
* Choose a time to pick up their order
* Choose from the following food items and quantity: (Note: Default quantity should be zero)

Neapolitan Style Pizza:

* + Margherita: $12.00
  + Quattro Formaggi: $12.50
  + Capricciosa: $13.00

Sandwich Choices:

* + - * Schnitzel: $8.50
      * Mixed Grill $9.50
      * Big Beef on a Bun $10.00

Bevarages:

Coffee: $2.00

Latte: $2.50

Soft drink: $1.75

* The web page will include the following features:
  + Include the current date at the top of the Page. Use ‘onLoad’ or ‘window.onload’ to create the ‘Date’ object and display it on the page
  + Include a background image or pattern.
  + Place a ‘thumbnail’ picture beside each type of pizza and sandwich. When the user ‘hovers’ over the picture a larger picture of that item will be displayed. E.g. if the ‘thumbnail’ picture is 75 pixels, the larger picture will be up to 125 pixels.

Functionality:

Use HTML5 inputs and ‘patterns’ to ensure that the ‘Name’ only contain alphabetic, spaces and hyphens in the name. Create a pattern to validate the Phone Number. Use ‘input type="datetime-local" to choose the pick-up time. All these elements are required and will display an error if left blank.

Use CSS to manage the presentation of the page.

Your web app will use a JavaScript function to calculate the total cost of the order and print to the screen the customer’s name, contact phone, pick-up time, the details of the order and the final cost.

Order details to be displayed on the web page. See example below.

e.g.

Davis Mills

403-111-4444

1 Margherita $12.00

1 Capricciosa $13.00

2 Mixed Grill $19.00

2 Coffee $4.00

Total Cost: $48.00

When you have completed this, demonstrate it to your instructor.

Zip your ‘cprg256/lab4’ directory and upload it to the Brightspace site under Assignments/Lab Assignment4.