IDV201
Brief: Coffee Shop
Term 2, 2015

Overview:

You have been contracted to write a website for a coffee shop. The shop has a home page with some jQuery and JavaScript functionality as well as an order page, which will allow you to create coffee orders by specifying how much espresso, milk, sugar etc. goes into the coffee. Based on the ingredients on the page, your JavaScript will be able to determine the name for each coffee, and its price.

Functionality:

1. Your coffee website should have two pages:
    A home page and
    An order page.
2. The home page should contain:
    a. A description of your coffee shop
    b. A slide-show of images, written in JavaScript and/or jQuery (You must create this slide show yourself. Don't just use a plug-in)
    c. Information (hidden by default) which is revealed when a user hovers over the div containing the information.
3. The order page must include a form which allows the user to:
    a. Create a new order (an order is a collection of coffees purchased together.)
    b. Switch the current order.
    c. Add a new coffee to the current order.
4. A coffee is made up of the following components:
    a. Size (short, tall, grande)
    b. Number of shots of espresso|
    c. Type of milk (low-fat or full-cream)
    d. Amount of milk (0 parts, 1 part, 2 parts)
    e. Spoons of sugar (0, 1, 2)
    f. Extras (Cream, chocolate syrup etc.)
5. When a coffee is added to an order, its name should display on screen.
6. The name is determined by its ingredients. You must write some JavaScript which will figure out the name of a coffee using the following table:

Ingredient	Name
No milk	Americano
1 Part full-cream milk	Latte
2 Parts full-cream milk	Cappuccino
1 Part low-fat milk	Skinny Latte
2 Parts low-fat milk	Skinny Cappuccino
1 Espresso	Single
2 Espresso	Double
3 Espresso	Triple
0 Sugar	Bitter

1 Sugar	Sweet
2 Sugar	Very Sweet
With Cream	Wild
With Chocolate Syrup	Choc
With Caramel Syrup	Caramel
With Whiskey	Irish

7. The full name of the coffee includes all the names of its ingredients. For example, the name of a tall coffee with 1 part low-fat milk, 2 espresso, 1 sugar and cream is a "Double Tall Sweet Irish Latte." This is the name that should appear on screen as part of the order.

8. You need to determine the price of all coffees too, based on the following table:

Ingredient	Price
Short Size	R11
Tall Size	R13
Grande Size	R15
Full-cream milk	R3 per part
Low-fat milk	R2 per part
Espresso	R4 per shot
Sugar	R1 per spoon
With Cream	R3 extra
With Chocolate Syrup	R4 extra
With Caramel Syrup	R4 extra
With Whiskey	R12 extra

9. Each order should also have a price (the combined total of all coffees that make up the order.)

10. When a new coffee is added to the order, the price of the order should update accordingly.

You need to be able to demonstrate that you used the following in your code:

1. Some jQuery/JavaScript for your slide show.
2. Some jQuery/JavaScript to show/hide information.
3. Objects, representing coffees.
4. Objects, representing orders.
5. Arrays, to store your orders and coffees.
6. Loops, to do calculations.
7. If statements and variables to determine names.
8. Anything extra you added by yourself.