

OLA 3: HTML & CSS & JavaScript

Due date: 11:59pm Feb/24th/2023 (Friday)

You are working for a large supermarket and the boss need you to create a web cash register system.

Step 1: Create your JavaScript file. (70 points)

Please create your JavaScript file, name it as cash.js. Please remember the extension should be .js. And then add the following three parts to your javascript file.

1. Create a cashRegister object.

- ★ Create a new object called **cashRegister** with **two properties**, and **one method**.
- ★ The first property is **total**, it should be initialized to 0.
- ★ The second property is **item**, it should be initialized to 0.
- ★ The method is called **add** with **one parameter** itemCost.
- ★ Inside the add method, add itemCost to this.total by using +=. So that you can add items cost together by calling the method add:
 - ☆ cashRegister.add(0.98)
 - ☆ cashRegister.add(1.23)

2: Create a scan function.

- ★ Create a function called scan with **no parameters**.
- ★ Ask the user to enter the total items number by using **prompt**, and save the entered number to cashRegister.item.
- ★ Then use a for loop to prompt the user to enter the cost for each item.
- ★ You need to add each item cost to the total by calling the method add.
- ★ Note that the variables you receive from prompt is a string, not a number. You can use parseFloat/parseInt to convert the string cost to float/int cost, eg:
 - ☆ cashRegister.add(parseFloat(cost));

3: Create a print function.

<https://lecture.yangxinmtsu.repl.co/4410/OLA3.html>

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- ★ Create a function called print with **no parameters**.
- ★ Please use if/else statement to print out the results by using **confirm**.
 - ☆ If cashRegister.total equal to 0, then you need to print out "Please enter your items cost first".
 - ☆ Else you need to print out the total items cost by using cashRegister.total.

Step 2: Create your HTML file. (15 points)

Please create your HTML file, name it as cash.html. Please remember the extension should be .html. And then add the following parts to your HTML file.

1. Create a basic structure HTML

```
Declaration line.
<html></html>
<head></head>
<title></title>
<body></body>
```

2. Link JavaScript file to HTML file by using <script> </script>

3. Create a button scan

- ★ Please create a button called Scan your item by using <button></button> tags.
- ★ When you click this button, the function **scan()** you create in cash.js file will be called.

4. Create a button print

- ★ Please create a button called Total by using <button></button> tags.
- ★ When you click this button, the function **print()** you create in cash.js file will be called.

5. You can add a heading title at the top of your page, eg: "Welcome to use my cash Register!"

6. You can use <div></div> block tags to create container for your webpage.

Step 3: Create your CSS file. (15 points)

- ★ Please create your CSS file, name it as cash.css. Please remember the extension should be .css.
- ★ Design your own CSS style.
- ★ Link your CSS file to HTML file by using <link></link>

Step 4: Please submit your OLA3 in replit!

Grading

There are 100 points in total. Here is the grading scale:

Part	Points
HTML	15 Points
CSS	15 Points
JavaScript	70 Points

If you have any question, email me at Xin.Yang@mtsu.edu or stop by my office at KOM301G.

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