

PY 4

This is a Prove Yourself (PY). It allows you to showcase all of the topics that you have learned so far. You can use any of the previous projects (website and curriculum) that you have completed to help complete this PY.

The Sensei can give hints and minimal help because the goal of a PY is to have the student showcase their own unique solution to the problem. JS 13 – 17 is a good reference point for this PY.



Situation: A new restaurant group has just launched their dining facility called “**Round Trip Cuisine**”. The food that is found at the dining facility is a collection of cultural and region cuisine.

The group wants to find a way to broadcast their food.

Solution: They are asking you to make a website that shows the items on the menu that can be ordered by customers. The website is composed of two parts.

The first part is the information that is always visible. This information is

1. Item number
2. Name of cuisine
3. Type of food
4. Price of cuisine

The second part is the information that **only shows** up when the user **hovers over** an item. The pop up information is

1. Brief description
2. **Image of food** – URL link on the internet. You can find these yourself and use them

When the user puts the mouse cursor over to an item on the menu, the following will happen

1. the pop up information will appear
2. the background image of the HTML element with id “**bTag**” changes to the image of the food. This “**Image of food**” part from above

The menu is composed of different categories and each category has different food items. The categories and their food items are listed below and you can set the price of each food item.

America

1. hamburger
2. tacos
3. chicken soup

European

1. pizza
2. French fries
3. Steak

Asia

1. Soup
2. Rice, meat, salad
3. Fried fish

Africa

1. Ntaba
2. Injera
3. Potjiekos

Mediterranean

1. Gyro
2. Kabob
3. Salad

JS Challenge A

1. Use JS 13 – 17 to turn the MP3 Player into the restaurant website. The code **can't be transferred over exactly** since the problem statement is different.
2. Create a class definition called **FoodItem**. How many private attributes are there? There should be 6. Why?
3. There are 5 categories and each category has 3 items. This means that there are a total of 15 items → 15 objects must be created

HTML Challenge B

Notice that there are 5 Categories. Create 5 paragraph tags.

1. The first paragraph tag has id of “**America**” to match the first category
2. The second paragraph tag has id of “**European**” to match the second category and continue

HTML Challenge C

1. Make another paragraph tag and give it an id of “**currInv**”, which stands for current inventory
2. Next, attach an **onclick** event to it. When we click on this paragraph tag, the JS function “**show_inv()**” is called.

JS Challenge C

4. Write the JS function definition called “**show_inv()**”, which stands for show inventory
5. Inside the JS function definition, link JS code with each HTML id of “**HTML Challenge**”.
6. Use **.innerHTML** to display how many food items are in that category.