Exercise: Objects and JSON, DOM Events

Problems for in-class lab for the "JavaScript Fundamentals" course @ SoftUni. Submit your solutions in the SoftUni judge system at https://judge.softuni.bg/Contests/1485

1. Shopping Cart

You will be given some products that you should be able to add to your cart. Each product will have a name, picture and a price. When the button "Add to cart" is clicked, add the current product in the textarea in the following format: "Added {name} for {money} to the cart". Each button can be clicked as much as you want. When the button "Buy" is pressed, you need to calculate the total money that you need to pay for the products that are currently in your cart. Print the result in the **textarea** in the following format: "You bought {list} for {totalPrice}.". The list should contain only the unique elements. The list should be the products, separated by a ", ". The total price should be rounded to the second decimal point.

Examples



2. Furniture

You will be given some furniture as an array of objects. Each object will have a name, a price and a decoration factor. When clicking on "Generate", add to the div with id furniture-list a div element with class furniture for each piece of furniture with checkbox, name, price and decoration factor (code example below). Then when the "Buy" button is clicked, get all checkboxes that are marked and show in the **result textbox** the **names** of the piece of furniture that **were checked**, separated by a space(" ") in the format: "Bought furniture: {furniture1} {furniture2}...". On the next line, print the total price in format: "Total price: {totalPrice}" (formatted to the second decimal). And finally, print the average decoration factor in the format: "Average decoration factor: {decFactor}"









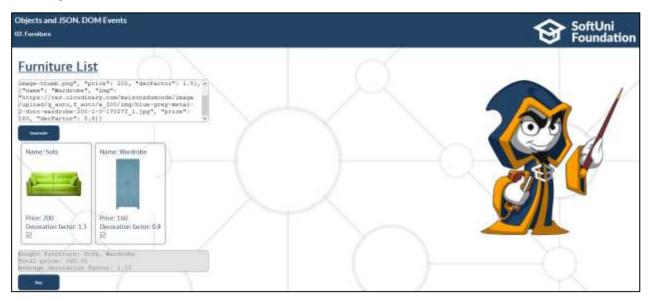








Examples



```
<div class="furniture">
  Name: Wardrobe
  <img src="https://res.cloudinary.com/maisonsdumonde/image/upload/q aut...200/img
   /blue-grey-metal-2-door-wardrobe-200-1-0-170273 1.jpg">
  Price: 160
  Cop>Decoration factor: 0.8
  <input type="checkbox">
  </div>
```

3. Forum

You will be given a registration form containing the following: username, password, email, checkboxes for 4 different topics: science, cooking, art, sports. When the form is submitted, a user must be registered and displayed in the table below. There will be a search box that should receive a string to search for in each row. When the button "Search" is clicked, display only the rows that include that searched string. (set visibility:visible for the matched and visibility:hidden for the others)

Hint

Use the preventDefault function to stop the page from reloading when you click the button











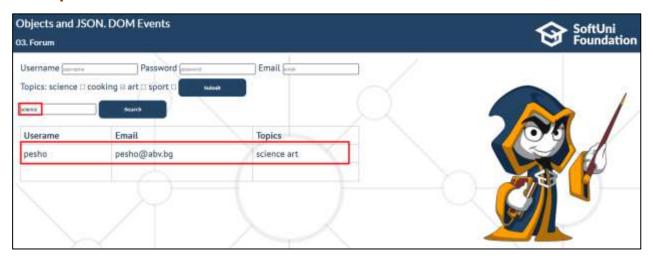


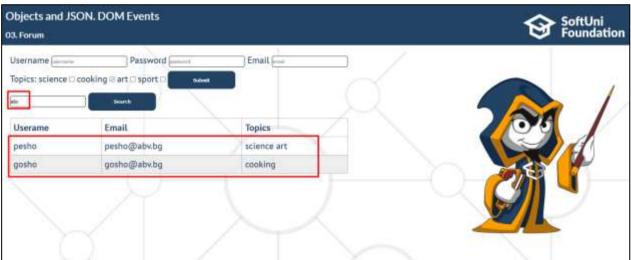






Examples





4. Salesman

You will be given an array of objects in textarea, each object containing a name of a product, quantity and a price. When the button "Load" is clicked, add the product in some storage variable. If the product already exists, add the quantity and update the price. After a successful product addition display in the log the following message: "Successfully added {productQuantity} {productName}.

Price: {currentPrice}". Then, you will also be given another textarea that will contain an object with name and quantity. When the button "Buy" is clicked, check for that product in the storage and if you have enough quantity; if you can complete the order, remove the quantity of that product from the storage and add the money profited from that order to a profit variable. If the order cannot be completed, display a message "Cannot complete order." in the log, otherwise display this message: "{quantity} {productName} sold for {orderMoney}.". When the button "End Day" is clicked, display in the result textbox the profit for the day in the format: "Profit: {profit}." (formatted to the second decimal). You should also not be able to click any buttons anymore.

Note: the messages in the log should be each on a separate line.











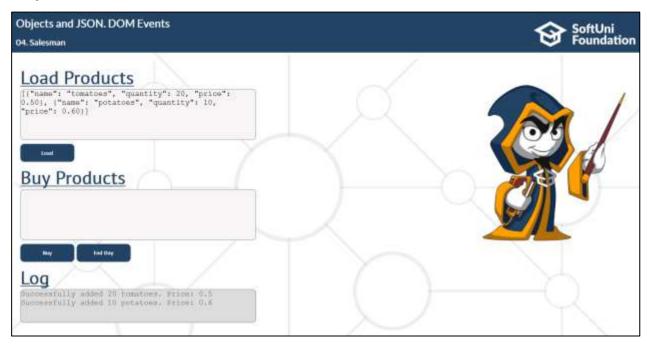




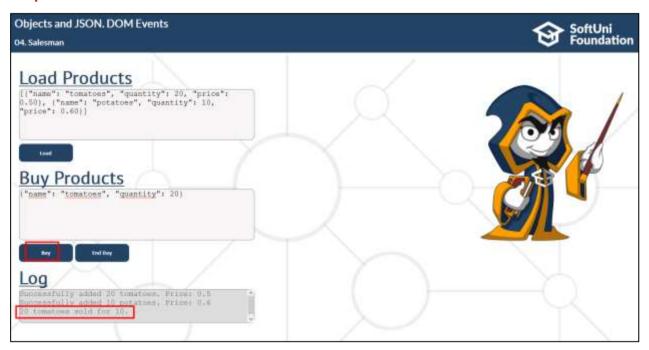


Examples

Step 1



Step 2





















Step 3

