

JS Advanced: Exam 15 July 2018

Problem 4. Online Shop (DOM)

Write a JavaScript program that provides the logic for the given user interface of an online shop's inventory:

Online Shop Inventory

Product details:

BGN Qty.

Inventory:

Capacity: (maximum capacity is 150 items.)

Price: BGN

Each order you create should consist of product's **name**, **price** and **quantity**. When the **submit** button is **clicked** the current **product** must be **added** to the inventory and the visualization (**product field**, **price field**, **quantity field** and **submit button**) should be **reset** to the **initial values**. The **submit button** should be **disabled** if the **product field** is **empty**.

Also there is a small **capacity field**, which shows how many items are there currently in the inventory. The inventory can store **up to 150 items**. Therefore, you should keep track of its capacity and when **150 items** are **reached**, the capacity field should **become red** and it should display **"full"**, also the **submit button**, the **product field**, **price field** and **quantity field** should be **disabled** by adding to them the property **"disabled"**. In order to change the colour of the capacity field, you should simply **change** its **CSS class** to **"fullCapacity"**. See the picture below:

Online Shop Inventory

Product details:

Enter product 1 BGN 1 Qty.

Inventory:

Product: Jeans Price: 25 Quantity: 50
Product: T-shirt Price: 10 Quantity: 100

Capacity: **full** (maximum capacity is 150 items.)

Price: 35 BGN

Output

- You should **only** submit the **solution.js** file

Use the following **index.html** and the **solution.js** for the user interface implementation:

index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <title>Online Shop</title>
  <style>
    .wrapper {
      margin: auto;
      width: 53%;
      border: 3px solid rgb(26, 26, 26);
      background-color: rgb(250, 250, 250);
      padding: 10px;
    }

    #header {
      font-family: "Trebuchet MS", Helvetica, sans-serif;
      font-size: 300%;
      font-weight: bold;
      color: rgb(26, 26, 26);
      text-align: center;
      padding: 10px;
    }
  </style>
</head>
```

```

li {
    list-style-type: none;
}

.block {
    display: inline-block;
    margin-left: 165px;
}

.field {
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    font-size: 25px;
    color: rgb(26, 26, 26);
}

.custom-select {
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    font-size: 20px;
    background-color: rgb(255, 255, 255);
    color: rgb(26, 26, 26);
    border: 1px solid rgb(26, 26, 26);
    padding: 2px;
    margin-top: 10px;
    width: 200px;
}

.input1 {
    width: 40px;
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    font-size: 20px;
    border: 1px solid rgb(26, 26, 26);
    background-color: #ffffff;
    color: rgb(26, 26, 26);
    padding: 2px;
}

#capacity {
    width: 40px;
    font-size: 20px;
    padding: 2px;
    font-family: "Trebuchet MS", Helvetica, sans-serif;
}

#sum {
    width: 80px;
    font-size: 20px;
    padding: 2px;
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    margin: 10px 10px;
}

.fullCapacity {
    width: 40px;
    font-size: 20px;
    padding: 2px;
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    color: rgb(250, 0, 0);
    border: 1px solid #f07777b2;
    background-color: #f78989bb;
}

.display {
    font-family: "Trebuchet MS", Helvetica, sans-serif;
    font-size: 15px;
    border: 1px solid rgb(26, 26, 26);
    padding: 2px;
    background-color: #ffffff;
    color: rgb(26, 26, 26);
    margin-top: 5px;
}

```

```

        width: 100%;
        height: 300px;
    }

    .text {
        font-family: "Trebuchet MS", Helvetica, sans-serif;
        font-size: 20px;
        color: rgb(26, 26, 26);
        margin-right: 10px;
    }

    .button:enabled {
        font-family: "Trebuchet MS", Helvetica, sans-serif;
        font-size: 20px;
        cursor: pointer;
        border: 1px solid rgb(26, 26, 26);
        padding: 5px 15px;
        margin: 3px;
        border-radius: 8px;
    }

    .button:disabled {
        background: rgb(248, 248, 248);
        cursor: pointer;
        color: rgb(216, 216, 216);
        font-size: 20px;
        padding: 5px 15px;
        font-family: "Trebuchet MS", Helvetica, sans-serif;
        margin: 3px;
        border: 1px solid rgb(26, 26, 26);
        border-radius: 8px;
    }
}
</style>
<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

</head>

<body>
<div class="wrapper">
</div>
<script src="solution.js"></script>
<script>onlineShop('.wrapper')</script>
</body>

```

solution.js

```

function onlineShop(selector) {
    let form = `<div id="header">Online Shop Inventory</div>
<div class="block">
    <label class="field">Product details:</label>
    <br>
    <input placeholder="Enter product" class="custom-select">
    <input class="input1" id="price" type="number" min="1" max="999999" value="1"><label
class="text">BGN</label>
    <input class="input1" id="quantity" type="number" min="1" value="1"><label
class="text">Qty.</label>
    <button id="submit" class="button" disabled>Submit</button>
    <br><br>
    <label class="field">Inventory:</label>
    <br>
    <ul class="display">
    </ul>
    <br>
    <label class="field">Capacity:</label><input id="capacity" readonly>

```

```
<label class="field">(maximum capacity is 150 items.)</label>
<br>
<label class="field">Price:</label><input id="sum" readonly>
<label class="field">BGN</label>
</div>`;
$(selector).html(form);
// Write your code here
}
```