Lab Assignment:6

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T1

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Shopping List</title>

<style>

body {

font-family: Arial, sans-serif;

}

.container {

max-width: 400px;

margin: 0 auto;

padding: 20px;

border: 1px solid #ccc;

border-radius: 5px;

background-color: #f9f9f9;

}

input[type="text"], input[type="number"], input[type="date"] {

width: calc(70% - 10px);

padding: 8px;

margin-bottom: 10px;

border: 1px solid #ccc;

border-radius: 3px;

}

select {

width: calc(70% - 10px);

padding: 8px;

margin-bottom: 10px;

border: 1px solid #ccc;

border-radius: 3px;

}

button {

padding: 8px 15px;

border: none;

border-radius: 3px;

background-color: #4CAF50;

color: white;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

ul {

list-style-type: none;

padding: 0;

}

li {

margin-bottom: 5px;

}

</style>

</head>

<body>

<div class="container">

<h1>Shopping List</h1>

<input type="text" id="itemName" placeholder="Item Name">

<input type="number" id="itemQuantity" placeholder="Quantity">

<select id="quantityUnit">

<option value="kilogram">kg</option>

<option value="Litre">Litre</option>

<option value="mililitre">mililitre</option>

<option value="gram">gram</option>

<option value="None">None</option>

</select>

<input type="number" id="itemPrice" placeholder="Price">

<input type="text" id="itemCategory" placeholder="Category">

<input type="date" id="itemDate">

<button onclick="controller.addItem()">Add</button>

<ul id="itemList"></ul>

</div>

<script>

var model = {

shoppingList: [],

totalItems: 0,

addItemToList: function(name, quantity, unit, price, category, date) {

this.shoppingList.push({

id: ++this.totalItems,

name: name,

quantity: quantity + " " + unit,

price: price,

category: category,

date: date

});

},

getShoppingList: function() {

return this.shoppingList;

}

};

var view = {

render: function() {

var itemList = document.getElementById("itemList");

itemList.innerHTML = "";

var items = model.getShoppingList();

items.forEach(function(item) {

var li = document.createElement("li");

li.textContent = "Item " + item.id + ": " + item.name + " (Quantity: " + item.quantity + ", Price: $" + item.price + ", Category: " + item.category + ", Date: " + item.date + ")";

itemList.appendChild(li);

});

}

};

var controller = {

addItem: function() {

var itemNameInput = document.getElementById("itemName");

var itemQuantityInput = document.getElementById("itemQuantity");

var quantityUnitInput = document.getElementById("quantityUnit");

var itemPriceInput = document.getElementById("itemPrice");

var itemCategoryInput = document.getElementById("itemCategory");

var itemDateInput = document.getElementById("itemDate");

var itemName = itemNameInput.value;

var itemQuantity = itemQuantityInput.value;

var quantityUnit = quantityUnitInput.value;

var itemPrice = itemPriceInput.value;

var itemCategory = itemCategoryInput.value;

var itemDate = itemDateInput.value;

if (itemName === "" || itemQuantity === "" || quantityUnit === "" || itemPrice === "" || itemCategory === "" || itemDate === "") return;

model.addItemToList(itemName, itemQuantity, quantityUnit, itemPrice, itemCategory, itemDate);

view.render();

itemNameInput.value = "";

itemQuantityInput.value = "";

itemPriceInput.value = "";

itemCategoryInput.value = "";

itemDateInput.value = "";

}

};

</script>

</body>

</html>









