 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology
Subject: Introduction to Web Technology	Tutorial 9
Shashank Bagda	Enrolment No: 92100133020

Code:

Index.html

```

<!DOCTYPE html>
<html>
  <head>
    <title>Bill Management System</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
  </head>

  <body style="background-color: black;">


    <div class=" bg-dark text-white p-2">
      <h1 class="display-4 text-center">Bill Management System</h1>
    </div>

    <div class="container-fluid">
      <div class="row content bg-danger">
        <div class="col-sm-4 bg-success text-center text-white p-sm-0">
          <form class="was-validation pl-sm-2 bg-primary">
            <div class="form-row pr-2">
              <label for="fruit-name" class="col-sm-4 text-left fruit-input">Item Name : </label>
              <input type="text" class='col-sm-7 mb-sm-2 form-control' id="fruit-name" name="fruit-
name" placeholder="Item name" required>
            </div>

            <div class="form-row pr-2">
              <label for="fruit-price" class="col-sm-4 text-left fruit-input">Item Price : </label>
              <input type="number" class="col-sm-7 mb-sm-2 form-control" id="fruit-price" name="fruit-
price" required>
            </div>

            <div class="form-row pr-2 form-group">
              <label for="fruit-quantity" class="col-sm-4 text-left fruit-input">Quantity : </label>
              <input type="number" class="col-sm-7 mb-sm-2 form-control" id="fruit-quantity"
name="fruit-quantity" required>
            </div>

```

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```

    <div class="container">
      <button type="submit" class="btn btn-success" id="add-btn">Add</button> <br><br>
      <button type="button" class="btn btn-danger mb-sm-2" id="fruit-basket">View Item
Basket</button>
      <button type="button" class="btn btn-warning mb-sm-2" id="total-price">View Total
Price</button>
    </div>
  </form>

  <div class="total bg-info hidden" id="total-div">

    </div>
  </div>

  <div class="col-sm-8 container-fluid hidden" id="list">

    </div>
  </div>

</div>

<script src="script.js"></script>
</body>
</html>

```

```


Script.js
const addButton = document.getElementById('add-btn');
const list = document.getElementById('list');
const fruitInput = document.getElementById('fruit-name');
const priceInput = document.getElementById('fruit-price');
const quantityInput = document.getElementById('fruit-quantity');
const totalPrice = document.getElementById('total-price');
const fruitBasket = document.getElementById('fruit-basket');
const totalDiv = document.getElementById('total-div');

const fruitList = [];
let total = 0;

const state = {};

addButton.addEventListener('click', (e)=> {
  e.preventDefault();

```

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```

const fruitName = capitalize(fruitInput.value);
const fruitPrice = priceInput.value;
const fruitQuantity = quantityInput.value;
if(fruitName !== "" && !fruitList.includes(fruitName)) {

    state[`${fruitName}`] = {
        price: `${fruitPrice}`,
        quantity: `${fruitQuantity}`
    };

    fruitList.push(fruitName);


    renderList();

    total += parseFloat(fruitPrice) * parseInt(fruitQuantity);
    fruitInput.value = "";
    quantityInput.value = '1';
    priceInput.value = "";
    renderTotal();
}
});

list.addEventListener('click', (e)=>{
    const element = e.target;
    if(element.classList[0] === 'button') {
        const elementNode = element.parentElement;
        const elementDataName = element.dataset.name;
        let elementDataPrice = parseFloat(element.dataset.price);
        let elementDataQuantity = parseInt(element.dataset.quantity);
        total = total - (parseFloat(elementDataPrice) * parseInt(elementDataQuantity));
        elementNode.remove();
        if(fruitList.includes(elementDataName))
        {
            const index = fruitList.indexOf(elementDataName);
            fruitList.splice(index,1);
            delete state[`${elementDataName}`];
        }

        renderList();
        renderTotal();
    }
});

```

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```

totalPrice.addEventListener('click', () => {

    totalDiv.classList.toggle('hidden');
    renderTotal();

})

fruitBasket.addEventListener('click', () => {
    list.classList.toggle('hidden');
})

const renderList = () => {
    list.innerHTML = "";


    //console.log(quantityInput.value);
    // Setting the items in alphabetical order
    fruitList.sort();
    fruitList.forEach((fruit) => {

        itemHtml = `
            <div class="mt-sm-3 bg-light alert flexview">
                <p class="large">${fruit}</p>
                <button type="button" class="button col-sm-2 remove-btn" data-name="${fruit}" data-
price="${state[`${fruit}`].price}" data-quantity="${state[`${fruit}`].quantity}">Remove</button>
            </div>`;
        list.insertAdjacentHTML('beforeend', itemHtml);
    })
}

const renderTotal = () => {
    totalDiv.innerHTML = "";
    //const html = `Total : <span>${total}</span>`;
    const html = `<p class="display-4">Total: <span>${total}</span></p>`;
    totalDiv.insertAdjacentHTML('afterbegin', html);
}

const capitalize = (string) => {
    return string.charAt(0).toUpperCase() + string.slice(1);
}

```

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Style.css

```

body, html {
  height: 100%;
  background-color: #1c1c1c;
  color: #fff;
}

.flexview {
  display: flex;
}

.flexview p {
  flex: 1;
  margin-top: 0.5rem;
  margin-bottom: 0.5rem;
  padding-left: 10px;
}


.content {
  height: 85vh;
}

.fruit-input {
  margin: 0.5rem 0 0.5rem 0;
  background-color: #2b2b2b;
  border: 1px solid #4d4d4d;
  color: #fff;
}

.fruit-input:focus {
  outline: none;
  border: 1px solid #fff;
}

.remove-btn {
  border: none;
  background-color: #f54242;
  color: #fff;
}

```

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```
.remove-btn:hover {
  background-color: #c63232;
  color: #fff;
}
```

```
.large {
  font-size: 1.2rem;
}
```

```
form {
  height: 60vh;
  padding-top: 70px;
}
```

```
.total {
  height: 25vh;
  justify-content: center;
  padding-top: 10%;
}
```

```
.hidden {
  display: none;
}
```