

Web Technology Lab – 06

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```
<!DOCTYPE html>
<html>
<head>
  <title>Simple Shopping List</title>
</head>
<body>

<h2>Shopping List</h2>

<input type="text" id="itemInput" placeholder="Add new item">
<button onclick="addItem()">Add Item</button>

<ul id="shoppingList"></ul>

<script>
  function addItem() {
    var input = document.getElementById('itemInput');
    var item = input.value;
    if (item) {
      var li = document.createElement('li');
      li.textContent = item;
      document.getElementById('shoppingList').appendChild(li);
      input.value = ''; // Clear input field
    } else {
      alert('Please enter an item.');
```

Shopping List

- Toothbrush
- Toothpaste
- Shampoo

Now,

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping List MVC</title>
</head>
<body>

<h2>Shopping List</h2>

<input type="text" id="itemInput" placeholder="Add new item">
<button>Add Item</button>

<ul id="shoppingList"></ul>

<script>
  class ShoppingListModel {
    constructor() {
      this.items = [];
    }

    addItem(item) {
      this.items.push(item);
    }

    getItems() {
      return this.items;
    }
  }

  class ShoppingListView {
```

```

    constructor() {
        this.itemInput = document.getElementById('itemInput');
        this.addButton = document.querySelector('button');
        this.shoppingList = document.getElementById('shoppingList');
    }

    bindAddItem(handler) {
        this.addButton.addEventListener('click', () => {
            const item = this.itemInput.value.trim();
            if (item !== '') {
                handler(item);
                this.itemInput.value = '';
            } else {
                alert('Please enter an item.');
```

```
// Initialize MVC
document.addEventListener('DOMContentLoaded', function() {
  const model = new ShoppingListModel();
  const view = new ShoppingListView();
  const controller = new ShoppingListController(model, view);
});
</script>

</body>
</html>
```

Shopping List

Biscuits

- Surf Excel
- Toothpaste
- Toothbrush