

**WEB TECH**  
**ASSIGNMENT 6**

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**By Using Simple Prototype:**

```
1. <!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
<title>Simple Shopping List</title>
</head>
<body>
<h1>Shopping List</h1>
<input type="text" id="itemInput" placeholder="Enter item">
<button onclick="addItem()">Add</button>
<ul id="itemList"></ul>

<script>
function addItem() {
var input = document.getElementById("itemInput");
var item = input.value;
if (item === '') return;
var itemList = document.getElementById("itemList");
var li = document.createElement("li");

li.appendChild(document.createTextNode(item));
itemList.appendChild(li);
input.value = '';
}
</script>
</body>
</html>
```

## Shopping List

- Egg
- Chips
- Lays

## 2. BY USING MVC PROTOTYPE

```
<!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;
```

```
}
```

```
h1 {
```

```
text-align: center;
```

```
}
```

```
input[type="text"] {
```

```
padding: 8px;
```

```
width: 60%;
```

```
margin: 10px auto;
display: block;
border: 1px solid #ccc;
border-radius: 5px;
}
button {
padding: 8px 16px;
background-color: #007bff;
color: #fff;
border: none;
border-radius: 5px;
cursor: pointer;
}
button:hover {
background-color: #0056b3;
}
ul {
list-style-type: none;
padding: 0;
margin: 20px auto;
width: 60%;

background-color: #fff;
border-radius: 5px;
box-shadow: 0 2px 5px rgba(0,0,0,0.1);
}
li {
padding: 10px;
border-bottom: 1px solid #ccc;
}
</style>
```

```
</head>

<body>

<h1>Shopping List</h1>

<input type="text" id="itemInput" placeholder="Enter item">

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

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

```
<script>

var model = {

  items: [],

  addItem: function(item) {

    this.items.push(item);

    view.render();

  },

  getItems: function() {

    return this.items;

  }

};

var view = {

  render: function() {

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

    itemList.innerHTML = "";

    var items = model.getItems();

    items.forEach(function(item) {

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

      li.textContent = item;

      itemList.appendChild(li);

    });

  }

};
```

```
var controller = {  
  addItem: function() {  
    var input = document.getElementById("itemInput");  
    var item = input.value.trim();  
    if (item === "") return;  
    model.addItem(item);  
    input.value = "";  
  }  
};  
  
window.onload = function() {  
  view.render();  
};  
</script>  
</body>  
</html>
```

