

# Web Technology Assignment - lab 6

Name- Lavanya Singh

Roll no.- 22IT3023

## Simple Prototype

Q1. <!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");

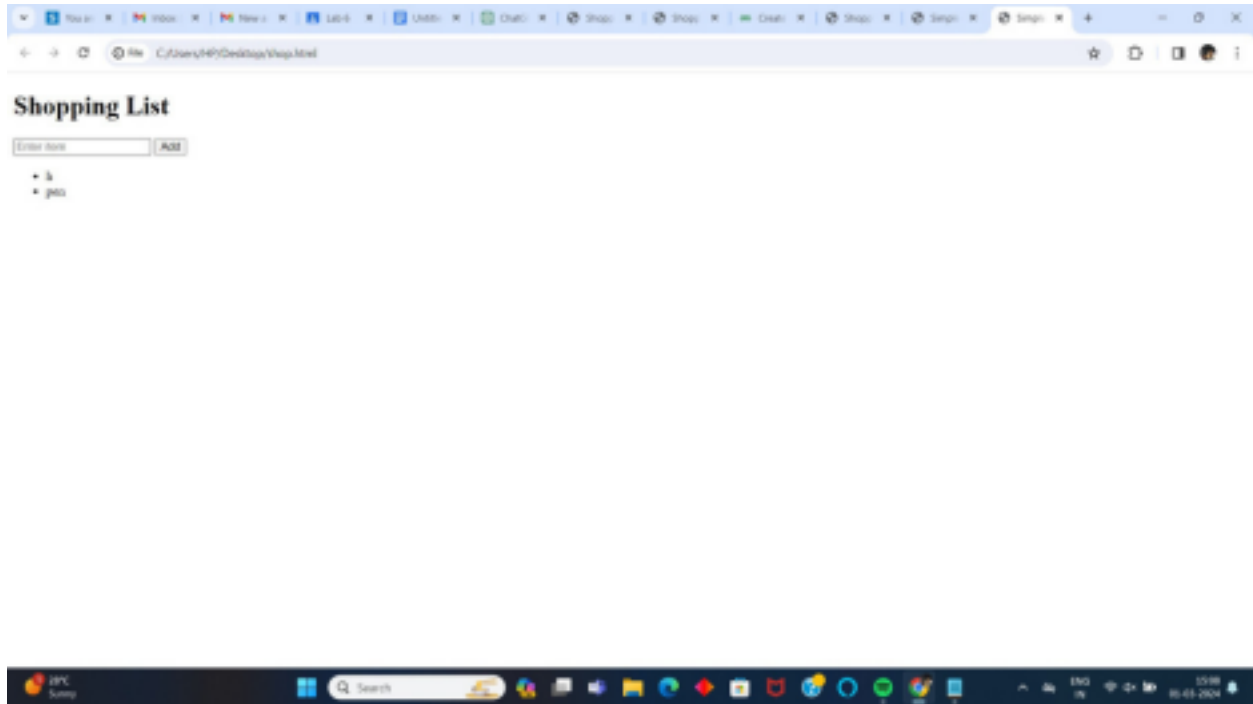
li.appendChild(document.createTextNode(item));

itemList.appendChild(li);

```

input.value = "";
}
</script>
</body>
</html>

```



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);
    });
  }
};
```

```
model.addItem(item);
input.value = "";
}
};
```



Shopping List

Enter item

Add

- pen
- bottle