Web Technology

Lab Assignment –

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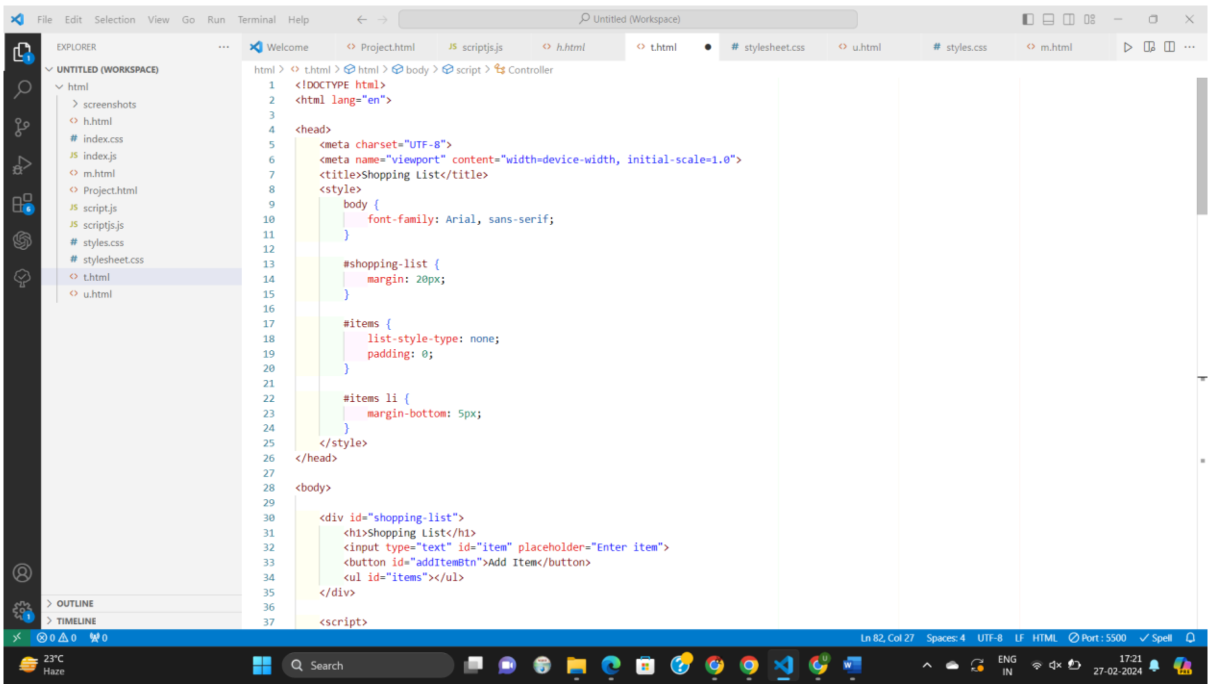
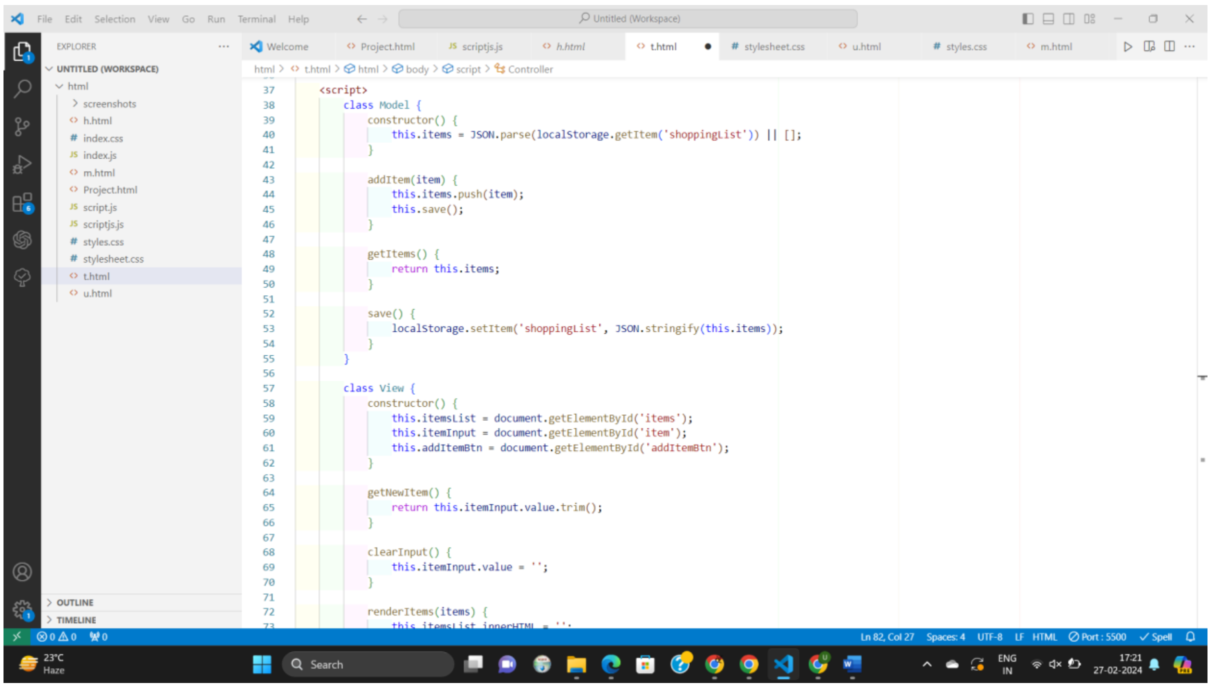
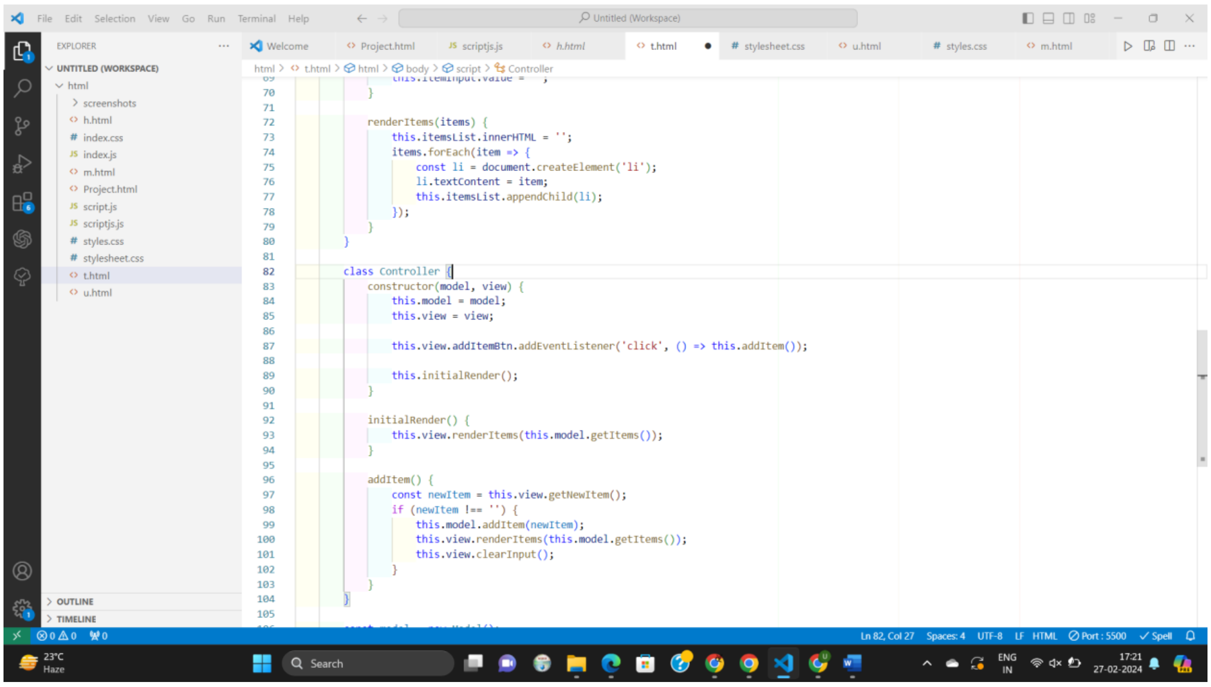
Branch :- CSE

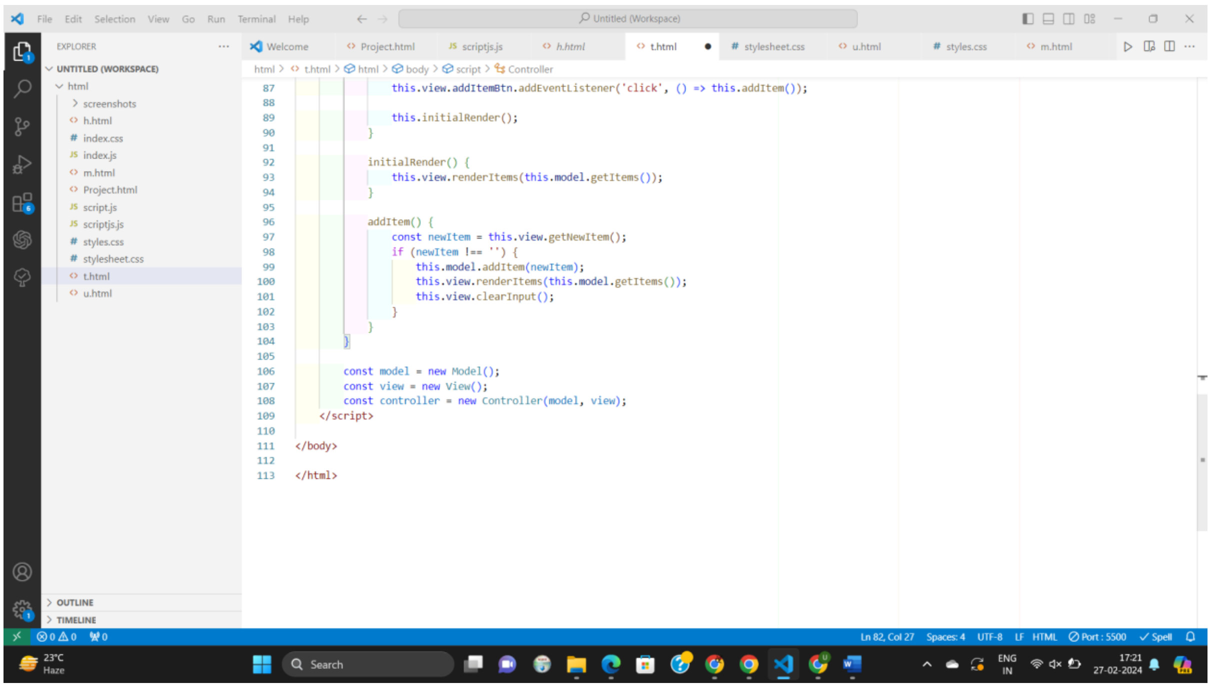
Task 1)



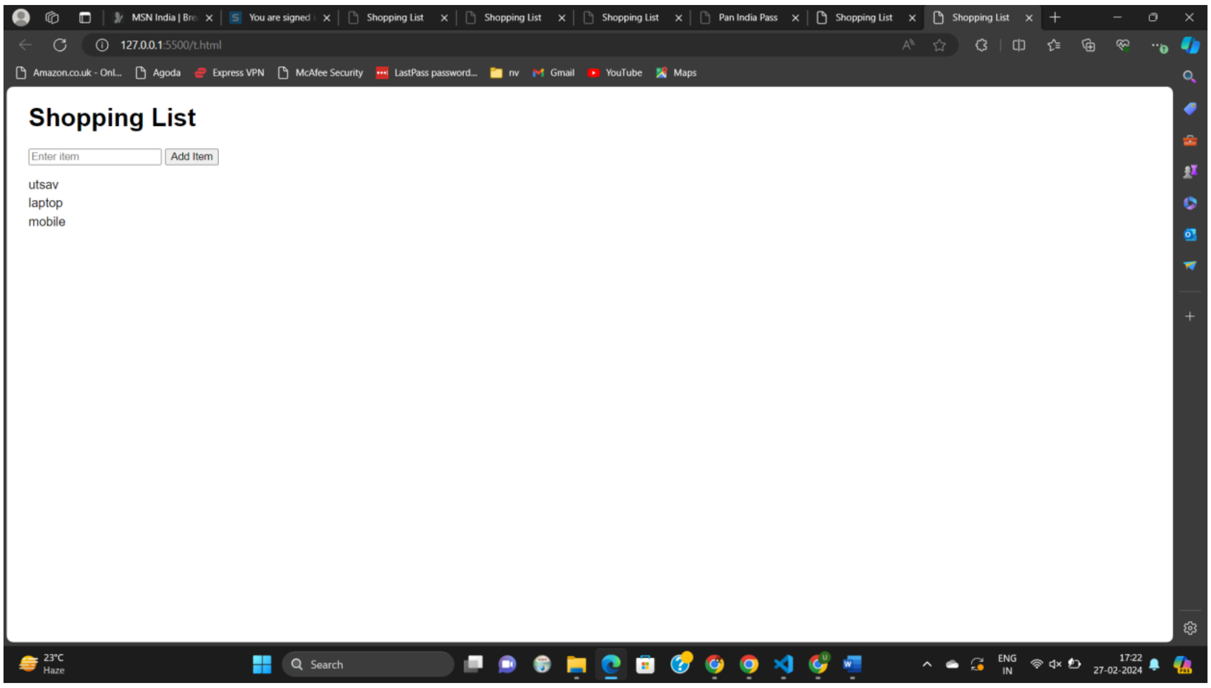
```html
<!DOCTYPE html>
<html lang="en">

<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;
        }

        #shopping-list {
            margin: 20px;
        }

        #items {
            list-style-type: none;
            padding: 0;
        }

        #items li {
            margin-bottom: 5px;
        }
    </style>
</head>

<body>

    <div id="shopping-list">
        <h1>Shopping List</h1>
        <input type="text" id="item" placeholder="Enter item">
        <button id="addItemBtn">Add Item</button>
        <ul id="items"></ul>
    </div>

    <script>
```


```
<script>
    class Model {
        constructor() {
            this.items = JSON.parse(localStorage.getItem('shoppingList')) || [];
        }

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

        getItems() {
            return this.items;
        }

        save() {
            localStorage.setItem('shoppingList', JSON.stringify(this.items));
        }
    }

    class View {
        constructor() {
            this.itemsList = document.getElementById('items');
            this.itemInput = document.getElementById('item');
            this.addItemBtn = document.getElementById('addItemBtn');
        }

        getNewItem() {
            return this.itemInput.value.trim();
        }

        clearInput() {
            this.itemInput.value = '';
        }

        renderItems(items) {
```


```
        }

        renderItems(items) {
            this.itemsList.innerHTML = '';
            items.forEach(item => {
                const li = document.createElement('li');
                li.textContent = item;
                this.itemsList.appendChild(li);
            });
        }
    }

    class Controller {
        constructor(model, view) {
            this.model = model;
            this.view = view;

            this.view.addItemBtn.addEventListener('click', () => this.addItem());

            this.initialRender();
        }

        initialRender() {
            this.view.renderItems(this.model.getItems());
        }

        addItem() {
            const newItem = this.view.getNewItem();
            if (newItem !== '') {
                this.model.addItem(newItem);
                this.view.renderItems(this.model.getItems());
                this.view.clearInput();
            }
        }
    }
```



```
                this.view.addItemBtn.addEventListener('click', () => this.addItem());

                this.initialRender();
            }

            initialRender() {
                this.view.renderItems(this.model.getItems());
            }

            addItem() {
                const newItem = this.view.getNewItem();
                if (newItem !== '') {
                    this.model.addItem(newItem);
                    this.view.renderItems(this.model.getItems());
                    this.view.clearInput();
                }
            }
        }

        const model = new Model();
        const view = new View();
        const controller = new Controller(model, view);
    </script>

</body>

</html>
```



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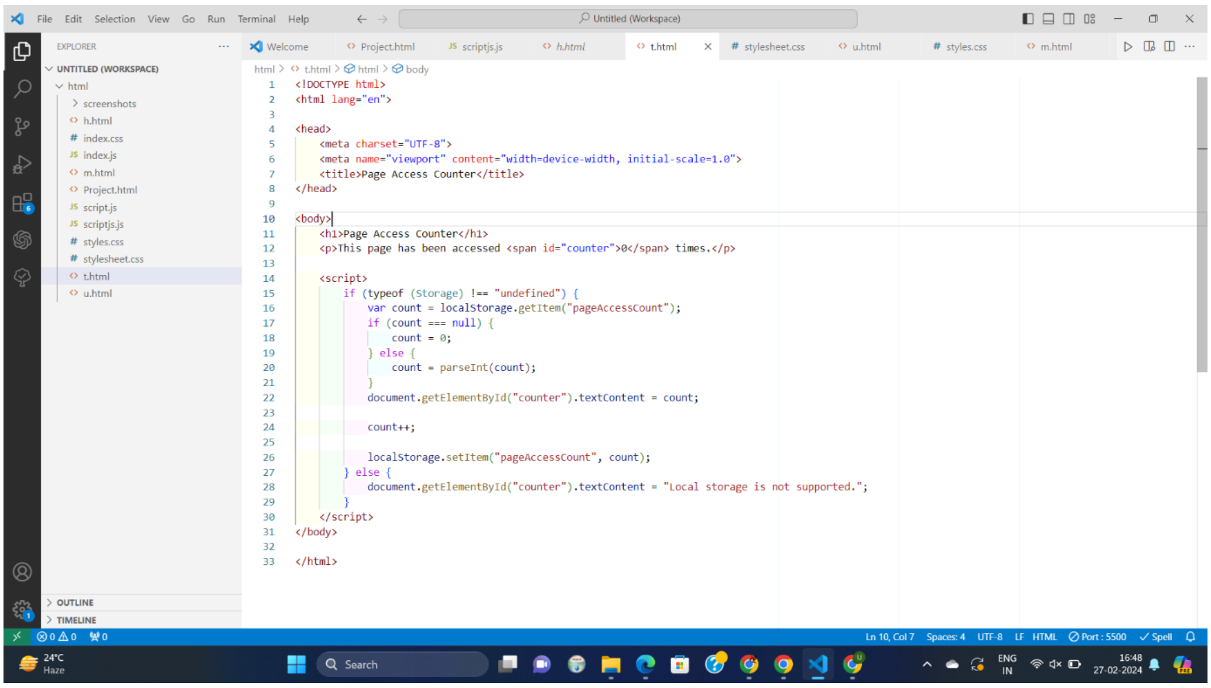
Shopping List

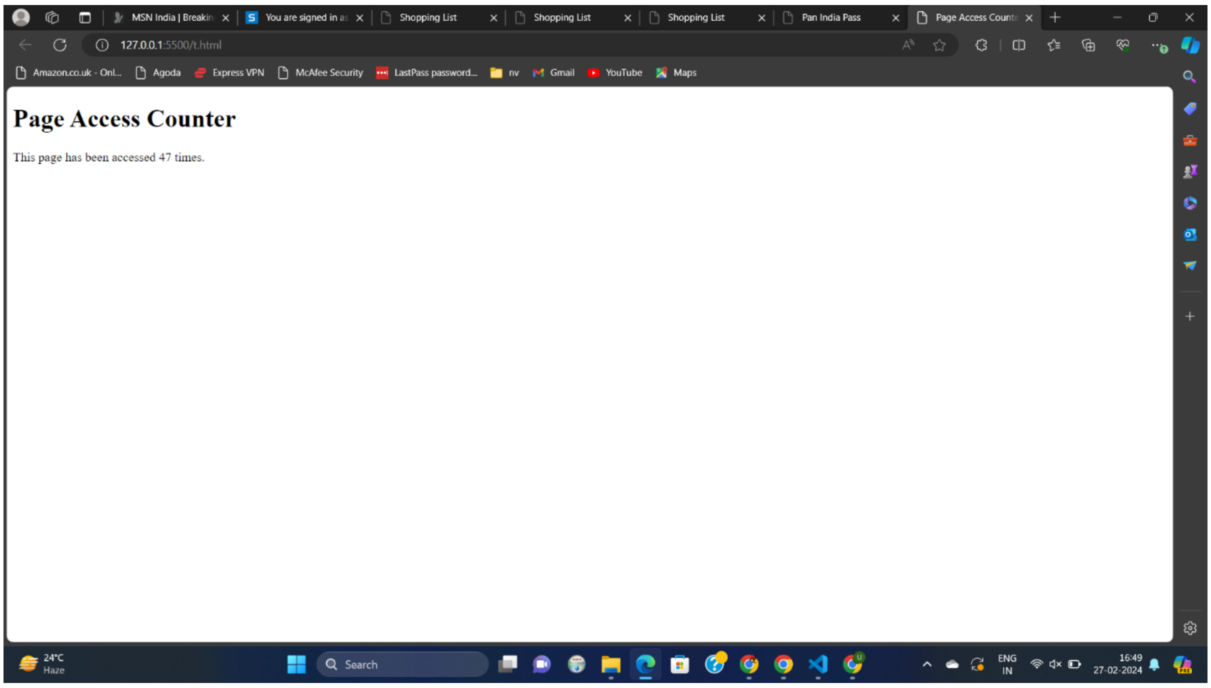
Enter item | Add Item

utsav
laptop
mobile

Task 2)



```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Page Access Counter</title>
</head>

<body>
    <h1>Page Access Counter</h1>
    <p>This page has been accessed <span id="counter">0</span> times.</p>

    <script>
        if (typeof (Storage) !== "undefined") {
            var count = localStorage.getItem("pageAccessCount");
            if (count === null) {
                count = 0;
            } else {
                count = parseInt(count);
            }
            document.getElementById("counter").textContent = count;

            count++;

            localStorage.setItem("pageAccessCount", count);
        } else {
            document.getElementById("counter").textContent = "Local storage is not supported.";
        }
    </script>
</body>

</html>
```



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Page Access Counter

This page has been accessed 47 times.