**EXPT 6 – DOM and DOM Tree Manipulation**

**CODE**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>To-Do List</title>

<style>

body {

font-family: Arial, sans-serif;

}

ul {

list-style-type: none;

padding: 0;

}

li {

margin-bottom: 5px;

}

.completed {

text-decoration: line-through;

}

</style>

</head>

<body>

<h1>To-Do List</h1>

<input type="text" id="taskInput" placeholder="Enter task">

<button onclick="addTask()">Add Task</button>

<ul id="taskList"></ul>

<script>

function addTask() {

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

var taskText = taskInput.value.trim();

if (taskText === "") {

alert("Please enter a task!");

return;

}

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

var checkBox = document.createElement("input");

checkBox.type = "checkbox";

checkBox.addEventListener("change", toggleCompleted);

var taskLabel = document.createElement("span");

taskLabel.textContent = taskText;

var editButton = document.createElement("button");

editButton.textContent = "Edit";

editButton.addEventListener("click", editTask);

var deleteButton = document.createElement("button");

deleteButton.textContent = "Delete";

deleteButton.addEventListener("click", deleteTask);

listItem.appendChild(checkBox);

listItem.appendChild(taskLabel);

listItem.appendChild(editButton);

listItem.appendChild(deleteButton);

document.getElementById("taskList").appendChild(listItem);

taskInput.value = "";

}

function toggleCompleted(event) {

var taskLabel = event.target.nextSibling;

if (event.target.checked) {

taskLabel.classList.add("completed");

} else {

taskLabel.classList.remove("completed");

}

}

function deleteTask(event) {

event.target.parentNode.remove();

}

function editTask(event) {

var listItem = event.target.parentNode;

var taskLabel = listItem.querySelector("span");

var updatedTask = prompt("Edit task:", taskLabel.textContent);

if (updatedTask !== null && updatedTask.trim() !== "") {

taskLabel.textContent = updatedTask.trim();

}

}

</script>

</body>

</html>

**OUTPUT**

  





 