EXPT 6 – DOM and DOM Tree Manipulation

CODE

```html
<!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;
```
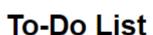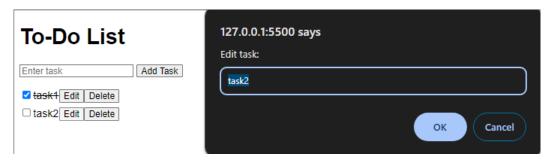
```javascript
  }
  var listItem = document.createElement("li");
  var checkBox = document.createElement("input");
  checkBox.type = "checkbox";
  checkBox.addEventListener("change", toggleCompleted);
  var taskLabel = document.createElement("span");
  taskLabel.textContent = taskText;
  var editButton = 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>
```
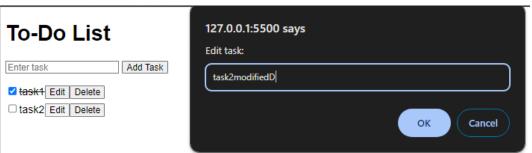
OUTPUT