

To-Do-List

HTML code:

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <title>To Do List</title>
8      <link
9        rel="stylesheet"
10       href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta2/css/all.min.css"
11       integrity="sha512-YWzhKL2whUzgiheMo8FwW8CKV4qpHQAeuVilg9FAn5VJUDwKZZxkJNuGM4Xkkluk94WCrwslk8ylwNGmY1EduTA=="
12       crossorigin="anonymous"
13       referrerpolicy="no-referrer"
14     />
15     <link rel="stylesheet" href="style.css" />
16   </head>
17   <body>
18     <form class="form">
19       <input
20         type="text"
21         class="input"
22         placeholder="Enter your task"
23         autocomplete="off"
24       />
25       <ul class="list">
26         <!-- <li>
27           Buy Milk <i class="fas fa-check-square"></i>
28           <i class="fas fa-trash"></i>
29         </li>
30         <li class="checked">
31           Call David <i class="fas fa-check-square"></i>
32           <i class="fas fa-trash"></i>
33         </li> -->
34       </ul>
35     </form>
36     <script src="index.js"></script>
37   </body>
```

CSS Style:

```
1  body{
2      margin: 0;
3      display: flex;
4      justify-content: center;
5      background-color: greenyellow;
6  }
7
8  .form{
9      position: absolute;
10     top: 30%;
11     box-shadow: 0 4px 8px rgba(0,0,0,.3);
12     width: 400px;
13     background-color: yellow;
14     border-radius: 10px;
15 }
16
17 .input{
18     width: 100%;
19     box-sizing: border-box;
20     padding: 20px;
21     border-radius: 10px 10px 0 0;
22     border: none;
23     font-size: 20px;
24     font-family: cursive;
25 }
26
27 .input::placeholder{
28     color: lightgray;
29 }
30
31 .list{
32     padding: 0;
33     margin: 0;
34 }
35
36 .list li{
37     list-style-type: none;
38     padding: 20px;
39     font-family: cursive;
40     border-top: dotted;
41     border-color: darkgray;
42     position: relative;
43 }
44
45 .list li .fa-trash{
46     color: red;
47     position: absolute;
48     right: 20px;
49     top: 50%;
50     transform: translateY(-50%);
51     cursor: pointer;
52 }
```

```
53     .list li .fa-check-square{
54         color: green;
55         position: absolute;
56         right: 40px;
57         top: 50%;
58         transform: translateY(-50%);
59         cursor: pointer;
60     }
61
62     .list li.checked {
63         color: darkgray;
64         text-decoration: line-through;
65     }
66
67     .list li.checked .fa-check-square{
68         color: darkgray;
69     }
```

JavaScript code:

```
1     const formEl = document.querySelector(".form");
2
3     const inputEl = document.querySelector(".input");
4
5     const ulEl = document.querySelector(".list");
6
7     let list = JSON.parse(localStorage.getItem("list"));
8     if (list) {
9         list.forEach((task) => {
10             toDoList(task);
11         });
12     }
13
14     formEl.addEventListener("submit", (event) => {
15         event.preventDefault();
16         toDoList();
17     });
18
```

```
19  ✓ function toDoList(task) {
20      let newTask = inputEl.value;
21      if (task) {
22          newTask = task.name;
23      }
24
25      const liEl = document.createElement("li");
26      if (task && task.checked) {
27          liEl.classList.add("checked");
28      }
29      liEl.innerText = newTask;
30      ulEl.appendChild(liEl);
31      inputEl.value = "";
32      const checkBtnEl = document.createElement("div");
33      checkBtnEl.innerHTML = `
34      <i class="fas fa-check-square">
35      `;
36      liEl.appendChild(checkBtnEl);
37      const trashBtnEl = document.createElement("div");
38      trashBtnEl.innerHTML = `
39      <i class="fas fa-trash"></i>
40      `;
41      liEl.appendChild(trashBtnEl);
42
43      checkBtnEl.addEventListener("click", () => {
44          liEl.classList.toggle("checked");
45          updateLocalStorage();
46      });
47
48      trashBtnEl.addEventListener("click", () => {
49          liEl.remove();
50          updateLocalStorage();
51      });
52      updateLocalStorage();
53  }
54
55  ✓ function updateLocalStorage() {
56      const liEls = document.querySelectorAll("li");
57      list = [];
58      liEls.forEach((liEl) => {
59          list.push({
60              name: liEl.innerText,
61              checked: liEl.classList.contains("checked"),
62          });
63      });
64      localStorage.setItem("list", JSON.stringify(list));
65  }
```
