

W.T. LAB-08

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1. JavaScript Project on Todo List

Introduction: TODO List are the lists that we generally use to maintain our day to day tasks or list of everything that we have to do, with the most important tasks at the top of the list, and the least important tasks at the bottom. It is helpful in planning our daily schedules. We can add more tasks any time and delete a task which is completed.

2. The four major tasks that we can perform in a TODO list are:

- 1. Add tasks**
- 2. Update tasks**
- 3. Read tasks**
- 4. Delete tasks**

Code:-

```
<html>
```

```
<head>
```

```
  <title>Task List</title>
```

```
  <style>
```

```
    * {
```

```
      margin: 0;
```

```
}
```

```
body {  
  
    background-color: darkslategray;  
  
}
```

```
header {  
  
    padding: 2rem 1rem;  
  
    max-width: 800px;  
  
    width: 100%;  
  
    margin: 0 auto;  
  
}
```

```
header h1{  
  
    font-size: 2.5rem;  
  
    font-weight: 300;  
  
    color: lightcoral;  
  
    margin-bottom: 1rem;  
  
}
```

```
#form {  
  
    display: flex;;  
  
}
```

```
input, button {  
  
    border: none;  
  
    outline: none;  
  
    background: none;  
  
}
```

```
#input {  
  
    flex: 1 1 0%;  
  
    background-color: gray;  
  
    padding: 1rem;  
  
    border-radius: 1rem;  
  
    margin-right: 1rem;  
  
    color: white;  
  
    font-size: 1.25rem;  
  
}
```

```
#input::placeholder {  
  
    color: darkgreen;  
  
}
```

```
#submit {  
  
    color: pink;
```

```
font-size: 1.25rem;  
  
font-weight: 700;  
  
background-image: linear-gradient(to right, red, black);  
  
-webkit-background-clip: text;  
  
-webkit-text-fill-color: transparent;  
  
}
```

```
main {  
  
    flex: 1 1 0%;  
  
    max-width: 800px;  
  
    width: 100%;  
  
    margin: 0 auto;  
  
}
```

```
.talist {  
  
    padding: 1rem;  
  
}
```

```
.talist h2 {  
  
    font-size: 1.5rem;  
  
    font-weight: 300;  
  
    color: tomato;
```

```
margin-bottom: 1rem;

}

#tasks .task {

    display: flex;

    justify-content: space-between;

    background-color: black;

    padding: 1rem;

    border-radius: 1rem;

    margin-bottom: 1rem;

}

.task .content {

    flex: 1 1 0%;

}

.task .content .text {

    color: white;

    font-size: 1.125rem;

    width: 100%;

    display: block;

}
```

```
.task .content .text:not(:read-only) {  
  
    color: pink;  
  
}
```

```
.task .actions {  
  
    display: flex;  
  
    margin: 0 -0.5rem;  
  
}
```

```
.task .actions button {  
  
    cursor: pointer;  
  
    margin: 0 0.5rem;  
  
    font-size: 1.125rem;  
  
    font-weight: 700;  
  
    text-transform: uppercase;  
  
    transition: 0.4s;  
  
}
```

```
.task .actions .edit {  
  
    background-image: linear-gradient(to right, coral, blue);  
  
    -webkit-background-clip: text;
```

```
-webkit-text-fill-color: transparent;

}

.task .actions .delete {

    background-image:linear-gradient(to right, orange, green);

    -webkit-background-clip: text;

    -webkit-text-fill-color: transparent;

}

</style>

</head>

<body>
```

```
<header>

    <h1>Task List</h1>

    <form id="form">

        <input

            type="text"

            name="input"

            id="input"

            placeholder="Enter tasks..">

        <input

            type="submit"
```

```
        id="submit"

        value="Add task">

    </form>

</header>

<main>

    <section class="talist">

        <h2>Tasks</h2>

        <div id="tasks">

            </div>

        </section>

    </main>

<script>

    window.addEventListener('load', () => {

        const form = document.querySelector("#form");

        const input = document.querySelector("#input");

        const tasks = document.querySelector("#tasks");

        form.addEventListener('submit', (e) => {

            e.preventDefault();

            const task = input.value;

            if(!task){

                alert("Enter a Task...");
```



```
}  
  
else{  
  
    const maintask = document.createElement('div');  
  
    maintask.classList.add('task');  
  
    const taskcontent = document.createElement('div');  
  
    taskcontent.classList.add('content');  
  
    maintask.appendChild(taskcontent)  
  
    const taskinput = document.createElement('input');  
  
    taskinput.classList.add('text');  
  
    taskinput.type = 'text';  
  
    taskinput.value = task;  
  
    taskinput.setAttribute('readonly', 'readonly');  
  
    taskcontent.appendChild(taskinput);  
  
    const taskaction = document.createElement('div');  
  
    taskaction.classList.add('actions');  
  
    const taskedit = document.createElement('button');  
  
    taskedit.classList.add('edit');  
  
    taskedit.innerText = 'Edit';  
  
    const taskdelete = document.createElement('button');  
  
    taskdelete.classList.add('delete');  
  
    taskdelete.innerText = 'Delete';  
  
    taskaction.appendChild(taskedit);
```

```
taskaction.appendChild(taskdelete);

maintask.appendChild(taskaction);

tasks.appendChild(maintask);

input.value = '';

taskedit.addEventListener('click', (e) => {

    if (taskedit.innerText.toLowerCase() == "edit") {

        taskedit.innerText = "Save";

        taskinput.removeAttribute("readonly");

        taskinput.focus();

    } else {

        taskedit.innerText = "Edit";

        taskinput.setAttribute("readonly", "readonly");

    }

});

taskdelete.addEventListener('click', (e) => {

    tasks.removeChild(maintask);

});

});

</script>

</body></html>
```

Outputs:-



