

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Document</title>
  <link href="node_modules/w3-css/w3.css" rel="stylesheet">
  <script src="src/index.js" type="module"></script>
</head>
<body>
  <button id="addButton" class="w3-button">Add</button>
  <table class="w3-table-all">
    <thead>
      <tr>
        <th>User ID</th>
        <th>ID</th>
        <th>Title</th>
        <th>Completed</th>
      </tr>
    </thead>
    <tbody id = "data">

    </tbody>
  </table>
  <div id="dialog" class="w3-modal">
    <div class="w3-modal-content">
      <div class="w3-container">
        <span onclick="document.getElementById('dialog')."
class="w3-button w3-display-topright">&times;</span>
        <label for="dataUserId">User ID: </label>
        <input id = "dataUserId" type="text"><br>
        <label for="dataId">ID: </label>
        <input id = "dataId" type="text"><br>
        <label for="dataTitle">Title: </label>
        <input id = "dataTitle" type="text"><br>
        <label for="dataCompleted">Completed: </label>
        <input id = "dataCompleted" type="checkbox"><br>
        <button id = "saveButton" class="w3-button">Save</button>
        <button id = "deleteButton" class="w3-button">Delete</button>
      </div>
    </div>
  </div>
  <div>
    <button id="closeButton" class="w3-button"
onclick="document.getElementById('dialog').style.display='none'"
class="w3-button">Close</button>
  </div>
</body>
</html>
```

index.js

```
import Todotable from "./todotable.js"
let table = new Todotable()
table.fillData()
```

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service.js
```

```
class Service{  
  
  async getData() {  
    var data = await fetch("http://127.0.0.1:3000/todos")  
    return await data.json()  
  }  
  
  async saveData(todo){  
    fetch(`http://127.0.0.1:3000/todos/${todo.id}`, {  
      method:"put",  
      body:JSON.stringify(todo),  
      headers: {  
        "Content-Type":"application/json"  
      }  
    })  
  }  
  
  async deleteData(todo){  
    fetch(`http://127.0.0.1:3000/todos/${todo.id}`, {  
      method:"delete"  
    })  
  }  
  
  async addData(todo){  
    fetch("http://127.0.0.1:3000/todos", {  
      method:"post",  
      body:JSON.stringify(todo),  
      headers: {  
        "Content-Type":"application/json"  
      }  
    })  
  }  
}  
  
export default new Service()
```

```
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todotable.js
```

```
import service from "../service.js"  
class Todotable{  
  
  tableData = document.getElementById("data")  
  dialog = document.getElementById("dialog")  
  
  async fillData(){  
  
    const addButton = document.getElementById("addButton")  
  
    addButton.onclick = () =>{  
      const userId = document.getElementById("dataUserId")  
      const id = document.getElementById("dataId")  
      const dataTitle = document.getElementById("dataTitle")  
      const completed = document.getElementById("dataCompleted")  
      const save = document.getElementById("saveButton")
```

```

        save.onclick = () =>{
            var dataObj = {
                userId : userId.value,
                id : id.value,
                title : dataTitle.value,
                completed : completed.checked
            }

            service.addData(dataObj)
        }

        const deleteButton = document.getElementById("deleteButton")
        deleteButton.style.display = "none"
        this.dialog.style.display = "block"
    }

    this.clearData()
    var jsonData = await service.getData()
    jsonData.forEach(element => {
        console.log(element)
        const row = this.tableData.insertRow()
        row.innerHTML =
`<tr><td>${element.userId}</td><td>${element.id}</td><td>${element.title}</td><td>${element.completed}</td></tr>`
        row.addEventListener("click", ()=>{
            const userId = document.getElementById("dataUserId")
            const id = document.getElementById("dataId")
            const dataTitle = document.getElementById("dataTitle")
            const completed =
document.getElementById("dataCompleted")
            const save = document.getElementById("saveButton")
            const deleteButton =
document.getElementById("deleteButton")

            userId.value = element.userId
            id.value = element.id
            dataTitle.value = element.title
            completed.checked = element.completed

            save.onclick = () => {
                element.title = dataTitle.value;
                element.completed = completed.checked;
                service.saveData(element)
            }

            document.getElementById('dialog').style.display='none'
            this.fillData()
        }

        deleteButton.onclick = () => {
            service.deleteData(element)
        }

        document.getElementById('dialog').style.display='none'
        this.fillData()
    }

    this.dialog.style.display = "block"
    })

```

```
        })
    }

    async clearData() {
        this.tableData.innerHTML = ""
    }
}

export default Todotable
```