HTML CODE:

<!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">

    <!-- Google Fonts -->

    <link rel="preconnect" href="https://fonts.googleapis.com">

    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

    <link href="https://fonts.googleapis.com/css2?family=Poppins&display=swap" rel="stylesheet">

    <!-- Font Awesome cdn css -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css" integrity="sha512-iBBXm8fW90+nuLcSKlbmrPcLa0OT92xO1BIsZ+ywDWZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w==" crossorigin="anonymous" referrerpolicy="no-referrer" />

    <link rel="stylesheet" href="./styles.css">

    <title>To Do List</title>

</head>

<body>

    <header>

        <h1>My To Do List</h1>

    </header>

    <form action="">

        <input type="text" class="todo-input">

        <button class="todo-button" type="submit">

            <i class="fas fa-plus-circle fa-lg"></i>

        </button>

        <div class="select">

            <select name="todos" class="filter-todo">

                <option value="all">All</option>

                <option value="completed">Completed</option>

                <option value="incomplete">Incomplete</option>

            </select>

        </div>

    </form>

    <div class="todo-container">

        <ul class="todo-list"></ul>

    </div>

    <script src="./script.js"></script>

</body>

</html>

CSS CODE :

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

body {

    background-color: mediumslateblue;

    color: white;

    font-family: "Poppins", sans-serif;

    min-height: 100vh;

}

header {

    font-size: 1.5rem;

}

header,

form {

    min-height: 20vh;

    display: flex;

    justify-content: center;

    align-items: center;

}

form input,

form button {

    padding: 0.5rem;

    padding-left: 1rem;

    font-size: 1.8rem;

    border: none;

    background: white;

    border-radius: 2rem;

}

form button {

    color: rgb(255, 200, 0);

    background: white;

    cursor: pointer;

    transition: all 0.3 ease;

    margin-left: 0.5rem;

}

form button:hover {

    color: white;

    background: rgb(255, 200, 0);

}

.fa-plus-circle {

    margin-top: 0.3rem;

    margin-left: -8px;

}

.todo-container {

    display: flex;

    justify-content: center;

    align-items: center;

}

.todo-list {

    min-width: 30%;

    list-style: none;

}

.todo {

    margin: 0.5rem;

    padding-left: 0.5rem;

    background: white;

    color: black;

    font-size: 1.5rem;

    display: flex;

    justify-content: space-between;

    align-items: center;

    transition: 0.5s;

    border-radius: 2rem;

}

.todo li {

    flex: 1;

}

.trash-btn,

.complete-btn {

    color: white;

    border: none;

    padding: 1rem;

    cursor: pointer;

    font-size: 1.5rem;

}

.complete-btn {

    background: rgb(255, 200, 0);

}

.trash-btn {

    border-top-right-radius: 1.75rem;

    border-bottom-right-radius: 1.75rem;

    background: rgb(171, 171, 171);

}

.todo-item {

    padding: 0rem 0.5rem;

}

.fa-trash,

.fa-check-circle {

    pointer-events: none;

}

.completed {

    text-decoration: line-through;

    opacity: 0.5;

}

.slide {

    transform: translateX(10rem);

    opacity: 0;

}

select {

    -webkit-appearance: none;

    -moz-appearance: none;

    appearance: none;

    outline: none;

    border: none;

}

.select {

    margin: 1rem;

    position: relative;

    overflow: hidden;

    border-radius: 50px;

}

select {

    color:rgb(255, 200, 0);

    width: 10rem;

    height: 3.2rem;

    cursor: pointer;

    padding: 1rem;

}

.select::after {

    content: "\25BC";

    position: absolute;

    background:rgb(255, 200, 0);

    top: 0;

    right: 0;

    padding: 1rem;

    pointer-events: none;

    transition: all 0.3s ease;

}

.select::hover::after {

    background: white;

    color: rgb(255, 200, 0);

}

JAVA SCRIPT CODE :

const todoInput = document.querySelector(".todo-input");

const todoButton = document.querySelector(".todo-button");

const todoList = document.querySelector(".todo-list");

const filterOption = document.querySelector(".filter-todo");

document.addEventListener("DOMContentLoaded", getLocalTodos);

todoButton.addEventListener("click", addTodo);

todoList.addEventListener("click", deleteCheck);

filterOption.addEventListener("change", filterTodo);

function addTodo(event) {

    event.preventDefault();

    const todoDiv = document.createElement("div");

    todoDiv.classList.add("todo");

    const newTodo = document.createElement("li");

    newTodo.innerText = todoInput.value;

    newTodo.classList.add("todo-item");

    todoDiv.appendChild(newTodo);

    //ADDING TO LOCAL STORAGE

    saveLocalTodos(todoInput.value);

    const completedButton = document.createElement("button");

    completedButton.innerHTML = '<i class="fas fa-check-circle"></li>';

    completedButton.classList.add("complete-btn");

    todoDiv.appendChild(completedButton);

    const trashButton = document.createElement("button");

    trashButton.innerHTML = '<i class="fas fa-trash"></li>';

    trashButton.classList.add("trash-btn");

    todoDiv.appendChild(trashButton);

    todoList.appendChild(todoDiv);

    todoInput.value = "";

}

function deleteCheck(e) {

    const item = e.target;

    if(item.classList[0] === "trash-btn") {

        const todo = item.parentElement;

        todo.classList.add("slide");

        removeLocalTodos(todo);

        todo.addEventListener("transitionend", function() {

            todo.remove();

        });

    }

    if(item.classList[0] === "complete-btn") {

        const todo = item.parentElement;

        todo.classList.toggle("completed");

    }

}

function filterTodo(e) {

    const todos = todoList.childNodes;

    todos.forEach(function(todo) {

        switch(e.target.value) {

            case "all":

                todo.style.display = "flex";

                break;

            case "completed":

                if(todo.classList.contains("completed")) {

                    todo.style.display = "flex";

                } else {

                    todo.style.display = "none";

                }

                break;

            case "incomplete":

                if(!todo.classList.contains("completed")) {

                    todo.style.display = "flex";

                } else {

                    todo.style.display = "none";

                }

                break;

        }

    });

}

function saveLocalTodos(todo) {

    let todos;

    if(localStorage.getItem("todos") === null) {

        todos = [];

    } else {

        todos = JSON.parse(localStorage.getItem("todos"));

    }

    todos.push(todo);

    localStorage.setItem("todos", JSON.stringify(todos));

}

function getLocalTodos() {

    let todos;

    if(localStorage.getItem("todos") === null) {

        todos = [];

    } else {

        todos = JSON.parse(localStorage.getItem("todos"));

    }

    todos.forEach(function(todo) {

        const todoDiv = document.createElement("div");

        todoDiv.classList.add("todo");

        const newTodo = document.createElement("li");

        newTodo.innerText = todo;

        newTodo.classList.add("todo-item");

        todoDiv.appendChild(newTodo);

        const completedButton = document.createElement("button");

        completedButton.innerHTML = '<i class="fas fa-check-circle"></li>';

        completedButton.classList.add("complete-btn");

        todoDiv.appendChild(completedButton);

        const trashButton = document.createElement("button");

        trashButton.innerHTML = '<i class="fas fa-trash"></li>';

        trashButton.classList.add("trash-btn");

        todoDiv.appendChild(trashButton);

        todoList.appendChild(todoDiv);

    });

}

function removeLocalTodos(todo) {

    let todos;

    if(localStorage.getItem("todos") === null) {

        todos = [];

    } else {

        todos = JSON.parse(localStorage.getItem("todos"));

    }

    const todoIndex = todo.children[0].innerText;

    todos.splice(todos.indexOf(todoIndex), 1);

    localStorage.setItem("todos", JSON.stringify(todos));

}