<!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 with Reminders and Priority</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

padding: 20px;

}

h1 {

text-align: center;

}

.todo-container {

max-width: 600px;

margin: 0 auto;

background-color: white;

padding: 20px;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

}

.task-inputs {

display: flex;

gap: 10px;

justify-content: space-between;

}

.task-inputs input, .task-inputs select {

padding: 10px;

width: 30%;

border-radius: 5px;

border: 1px solid #ccc;

}

.task-inputs button {

padding: 10px 20px;

background-color: #5cb85c;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

}

.task-inputs button:hover {

background-color: #4cae4c;

}

.task-list {

list-style: none;

padding: 0;

margin: 20px 0;

}

.task-item {

display: flex;

justify-content: space-between;

align-items: center;

padding: 10px;

margin-bottom: 10px;

background-color: #f9f9f9;

border-radius: 5px;

border-left: 5px solid transparent;

animation: fadeIn 0.3s ease;

}

.task-item.priority-high {

border-left: 5px solid red;

}

.task-item.priority-medium {

border-left: 5px solid orange;

}

.task-item.priority-low {

border-left: 5px solid green;

}

.task-item button {

background-color: red;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

padding: 5px 10px;

}

.task-item button:hover {

background-color: darkred;

}

@keyframes fadeIn {

0% { opacity: 0; }

100% { opacity: 1; }

}

.sort-container {

text-align: right;

margin-bottom: 10px;

}

.sort-container select {

padding: 5px;

}

</style>

</head>

<body>

<h1>To-Do List</h1>

<div class="todo-container">

<div class="task-inputs">

<input type="text" id="taskInput" placeholder="Enter Task" />

<input type="datetime-local" id="deadlineInput" />

<select id="priorityInput">

<option value="low">Low</option>

<option value="medium">Medium</option>

<option value="high">High</option>

</select>

<button onclick="addTask()">Add Task</button>

</div>

<div class="sort-container">

<select id="sortBy" onchange="sortTasks()">

<option value="priority">Sort by Priority</option>

<option value="deadline">Sort by Deadline</option>

</select>

</div>

<ul class="task-list" id="taskList"></ul>

</div>

<script>

let tasks = [];

function addTask() {

const taskInput = document.getElementById("taskInput");

const deadlineInput = document.getElementById("deadlineInput");

const priorityInput = document.getElementById("priorityInput");

const taskText = taskInput.value;

const deadline = deadlineInput.value;

const priority = priorityInput.value;

if (taskText && deadline && priority) {

const task = {

text: taskText,

deadline: new Date(deadline),

priority: priority,

};

tasks.push(task);

taskInput.value = '';

deadlineInput.value = '';

renderTasks();

} else {

alert("Please fill in all fields!");

}

}

function deleteTask(index) {

tasks.splice(index, 1);

renderTasks();

}

function sortTasks() {

const sortBy = document.getElementById("sortBy").value;

if (sortBy === "priority") {

tasks.sort((a, b) => {

const priorityOrder = { low: 1, medium: 2, high: 3 };

return priorityOrder[a.priority] - priorityOrder[b.priority];

});

} else if (sortBy === "deadline") {

tasks.sort((a, b) => a.deadline - b.deadline);

}

renderTasks();

}

function renderTasks() {

const taskList = document.getElementById("taskList");

taskList.innerHTML = "";

tasks.forEach((task, index) => {

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

taskItem.classList.add("task-item");

taskItem.classList.add(`priority-${task.priority}`);

taskItem.innerHTML = `

<span>${task.text} - ${task.deadline.toLocaleString()}</span>

<button onclick="deleteTask(${index})">Delete</button>

`;

taskList.appendChild(taskItem);

});

}

</script>

</body>

</html>