## Code: HTML: <!DOCTYPE html> <html> <head> <title>Book Library</title> </head> <body> <!-- HTML structure for displaying tasks --> ul id="task-list"> <!-- Tasks will be added here dynamically --> <!-- UI elements for adding tasks --> <input type="text" id="task-title" placeholder="Task title"> <input type="text" id="task-description" placeholder="Task description"> <input type="date" id="task-dueDate"> <select id="task-priority"> <option value="low">Low</option> <option value="medium">Medium</option> <option value="high">High</option>

</select>

<button id="add-task">Add Task/body>

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

```
</html>
```

## Script:

```
function Task(title, description, dueDate, priority) {
this.title = title;
this.description = description;
this.dueDate = dueDate;
this.priority = priority;
this.completed = false;
}
let taskList = [];
function addTask(task) {
taskList.push(task);
displayTasks();
}
function deleteTask(taskId) {
taskList.splice(taskld, 1);
displayTasks();function updateTask(taskId, updatedTask) {
taskList[taskId] = updatedTask;
displayTasks();
}
function toggleTaskCompletion(taskId) {
taskList[taskId].completed = !taskList[taskId].completed;
displayTasks();
```

```
}
const taskListContainer = document.getElementById("task-list");
function displayTasks() {
taskListContainer.innerHTML = ";
taskList.forEach((task, index) => {
const taskItem =
document.createElement("li");
taskItem.innerHTML = `
<input type="checkbox" ${task.completed ? "checked" : ""}</pre>
onchange="toggleTaskCompletion(${index})">
$\task.title} (Due: $\task.dueDate\), Priority: $\task.priority\)
<button onclick="deleteTask(${index})">Delete</button>
taskListContainer.appendChild(taskItem);
});
}const taskTitleInput = document.getElementById("task-title");
const taskDescriptionInput =
document.getElementById("task-description"); const taskDueDateInput =
document.getElementById("task-dueDate"); const taskPriorityInput =
document.getElementById("task-priority");
const addTaskButton = document.getElementById("add-task");
addTaskButton.addEventListener("click", () => {
const title = taskTitleInput.value;
```

```
const description =
taskDescriptionInput.value; const dueDate =
taskDueDateInput.value; const priority =
taskPriorityInput.value;
const task = new Task(title, description, dueDate, priority);
addTask(task);
taskTitleInput.value = ";
taskDescriptionInput.value =
"; taskDueDateInput.value = ";
taskPriorityInput.value = 'low';
});
function saveTasksToLocalStorage() {
localStorage.setItem("taskList", JSON.stringify(taskList));function
loadTasksFromLocalStorage() {
const savedTasks = localStorage.getItem("taskList");
if (savedTasks) {
taskList = JSON.parse(savedTasks);
displayTasks();
}
}
window.addEventListener("beforeunload", saveTasksToLocalStorage);
window.addEventListener("load", loadTasksFromLocalStorage);
try {
```

dd-mm-yyyy

Low

✓ Add Task

Task description

Task title