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// To-Do List Application

// Function to get tasks from local storage
const getTasks = () => {
  const tasks = localStorage.getItem('tasks');
  return tasks ? JSON.parse(tasks) : [];
};

// Function to save tasks to local storage
const saveTasks = (tasks) => {
  localStorage.setItem('tasks', JSON.stringify(tasks));
};

// Function to display tasks
const displayTasks = () => {
  const tasks = getTasks();
  const taskList = document.getElementById('taskList');
  taskList.innerHTML = '';

  tasks.forEach((task, index) => {
    const listItem = document.createElement('li');
    listItem.textContent = task;

    // Create remove button
    const removeButton = document.createElement('button');
    removeButton.textContent = 'Remove';
    removeButton.onclick = () => {
      removeTask(index);
    };
  });
};
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    listItem.appendChild(removeButton);  
    taskList.appendChild(listItem);  
  });  
};
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// Function to add a task  
const addTask = () => {  
  const taskInput = document.getElementById('taskInput');  
  const task = taskInput.value.trim();  
  
  if (task) {  
    const tasks = getTasks();  
    tasks.push(task);  
    saveTasks(tasks);  
    taskInput.value = "";  
    displayTasks();  
  } else {  
    alert('Please enter a task.');  }  
};
```

```
// Function to remove a task  
const removeTask = (index) => {  
  const tasks = getTasks();  
  tasks.splice(index, 1);  
  saveTasks(tasks);  
  displayTasks();  
};
```

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// Event listener for the add task button  
document.getElementById('addTaskButton').onclick = addTask;  
  
// Display tasks on page load  
displayTasks();
```