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Code: A30418   **Max.Marks:10**

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WORK REMAINDER

HTML SOURCE CODE:

Project.html

```html
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>To-Do List</title>
<link rel="stylesheet" href="style.css">
<style>
  .priority {
  margin-right: 10px;
}
@keyframes color {
  0%   { background: #33CCCC; }
  20%  { background: #33CC36; }
  40%  { background: #B8CC33; }
  60%  { background: #FCCA00; }
  80%  { background: #33CC36; }
  100% { background: #33CCCC; }
}


body {
  background-image: url(leafs.png);

  background-size: cover;
  background-position: center;
  margin: 0; /* Remove default margin */
  padding: 0; /* Remove default padding */
}

.container {
  max-width: 600px;
  margin: 50px auto  ;
  padding: 20px;
  background-color: rgba(247, 244, 246, 0.8); /* Add background color with opacity */
  border-radius: 10px;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
```

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```css
  display: flex;
  flex-direction: column; /* Align children vertically */
}

.input-container {
  display: flex;
  justify-content: space-between; /* Space between input and button */
  align-items: center; /* Align items vertically */
}

#toDoContainer {
  margin-top: 10px; /* Add some space between input and to-do list */
}

#inputField {
  flex: 1; /* Take remaining space */
  margin-right: 10px; /* Add some spacing between input field and button */
}

#reminderInput {
  margin-right: 10px;
}


</style>
</head>
<body style="background-image: url(leaf.jpg.webp);">

  <div class="container">
    <h1>Work Remainder</h1>
    <div id="toDoContainer">
      <!-- To-Do Items Will Be Appended Here -->
    </div>
    <div class="input-container">
      <input type="text" id="inputField" placeholder="Add a new item...">
      <input type="datetime-local" id="reminderInput">
      <select id="priorityInput" class="priority">
        <option value="important">Important</option>
        <option value="unimportant">unimportant</option>

      </select>
      <button id="addButton">Add</button>
    </div>
  </div>
```

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```html
<script src="script.js"></script>
</body>
</html>
```

style.css

```css
body {
  background-image: url(leaf.png);
  background-size: cover;
  background-position: center;
  margin: 0;
  padding: 0;
}


.container {
  max-width: 800px;
  margin: 50px auto;
  padding: 20px;
  background-color: #dde2dd;
  border-radius: 10px;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);

  flex-direction: column;
}

h1 {
  text-align: center;
  color: #333;
}

#toDoContainer {
  margin-top: 20px;
  font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
  font-size: larger;
}

.todo-item {
  margin-bottom: 10px;
  display: flex;
  align-items: center;
```

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```css
  background-color: #f9f9f9;
  padding: 10px;
  border-radius: 5px;
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.todo-item input[type="checkbox"] {
  margin-right: 10px;
}

.todo-item span {
  flex: 1;
  color: #333;
}

.todo-item button {
  background-color: #ff6b6b;
  color: #fff;
  border: none;
  padding: 5px 10px;
  border-radius: 5px;
  cursor: pointer;
  transition: background-color 0.3s ease;
}

.todo-item button:hover {
  background-color: #ff4949;
}

#inputField {
  width: calc(100% - 30px);
  padding: 10px;
  border: 1px solid #a6a6a6;
  border-radius: 5px 0 0 5px;
  margin-right: 10px;
}

#reminderField,
#timerField {
  width: calc(100% - 30px);
  padding: 10px;
  border: 1px solid #a6a6a6;
  border-radius: 5px;
```

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```css
  margin-right: 10px;
  display: none;
}

#addButton {
  background-color: #4caf50;
  color: #fff;
  border: none;
  padding: 10px 20px;
  border-radius: 0 5px 5px 0;
  cursor: pointer;
  transition: background-color 0.3s ease;
}

#addButton:hover {
  background-color: #0c5d10;
}
.timestamp {
  margin-left: auto;
  margin-right: 10px;
  font-size: 12px;
  color: #999;
}

.todo-item span {
  flex: 1;
  color: #333;
  text-decoration: none;
  transition: text-decoration 0.2s ease;
}
```

Script.js

```javascript
document.addEventListener("DOMContentLoaded", function() {
    const addButton = document.getElementById("addButton");
    const inputField = document.getElementById("inputField");
    const reminderInput = document.getElementById("reminderInput");
    const toDoContainer = document.getElementById("toDoContainer");
    const priorityInput = document.getElementById("priorityInput");

    // Retrieve saved to-do items from local storage
    const savedItems = JSON.parse(localStorage.getItem("toDoItems")) || [];
```

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```javascript
    function scheduleReminder(reminderDateTime, task) {
        const reminderTime = new Date(reminderDateTime);
        const currentTime = new Date();
        const timeDifference = reminderTime.getTime() - currentTime.getTime();
        if (timeDifference > 0) {
            setTimeout(function() {
                alert("Reminder: " + task);
            }, timeDifference);
        }
    }
// Function to render to-do items
function renderToDoItem(itemText, reminder, priority) {
    const newItem = document.createElement("div");
    newItem.classList.add("todo-item");
    newItem.innerHTML = `
        <input type="checkbox">
        <span>${itemText}</span>
        <span class="reminder">${reminder}</span>
        <span class="priority">${priority}</span>
        <button class="editButton">Edit</button>
        <button class="deleteButton">Delete</button>
    `;
    toDoContainer.appendChild(newItem);
    scheduleReminder(reminder, itemText); // Corrected parameter order
}

    // Render saved to-do items
    savedItems.forEach(item => {
        renderToDoItem(item.text, item.reminder, item.priority);
    });

    // Function to save to-do items to local storage
    function saveToDoItems() {
        const items = Array.from(document.querySelectorAll(".todo-item")).map(item => {
            return {
                text: item.querySelector("span").textContent,
                reminder: item.querySelector(".reminder").textContent,
                priority: item.querySelector(".priority").textContent
            };
        });
        localStorage.setItem("toDoItems", JSON.stringify(items));
    }
```

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```javascript
    // Function to format reminder
    function formatReminder(dateTimeString) {
        if (!dateTimeString) return ""; // If no reminder set, return empty string
        const dateTime = new Date(dateTimeString);

        // Format date and time components
        const year = dateTime.getFullYear();
        const month = String(dateTime.getMonth() + 1).padStart(2, '0'); // Month is zero-
based

        const day = String(dateTime.getDate()).padStart(2, '0');
        const hours = String(dateTime.getHours()).padStart(2, '0');
        const minutes = String(dateTime.getMinutes()).padStart(2, '0');
        const formattedReminder = `${year}-${month}-${day} ${hours}:${minutes}`;


        return formattedReminder;
    }
    toDoContainer.addEventListener("click", function(event) {
        const target = event.target;
        const parentItem = target.closest(".todo-item");
        if (target.classList.contains("deleteButton")) {
            parentItem.remove();
            saveToDoItems();
        } else if (target.classList.contains("editButton")) {
            const textSpan = parentItem.querySelector("span");
            const newText = prompt("Edit your to-do item:", textSpan.textContent);
            if (newText !== null && newText.trim() !== "") {
                textSpan.textContent = newText.trim();
                saveToDoItems();
            }
        }
    });

    // Event listener for adding a new to-do item
    addButton.addEventListener("click", function() {
        const newItemText = inputField.value.trim();
        const reminderDateTime = reminderInput.value;
        const priority = priorityInput.value;
        if (newItemText !== "") {
            const newItem = {
                text: newItemText,
                reminder: formatReminder(reminderDateTime),
                priority: priority
```

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```javascript
            };
            renderToDoItem(newItem.text, newItem.reminder, newItem.priority);
            inputField.value = "";
            reminderInput.value = "";
            priorityInput.value = "low";
            fetch('save.php', {
                method: 'POST',
                headers: {
                    'Content-Type': 'application/json'
                },
                body: JSON.stringify(newItem)
            })
            .then(response => {
                if (!response.ok) {
                    throw new Error('Network response was not ok');
                }
                return response.json();
            })
            .then(data => {
                console.log('Success:', data);
            })
            .catch(error => {
                console.error('Error:', error);
            });
            saveToDoItems();
        }
    });

});
```

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Screen Shot of Web Page: