**Project:** BWD-40_Countdown_Timer

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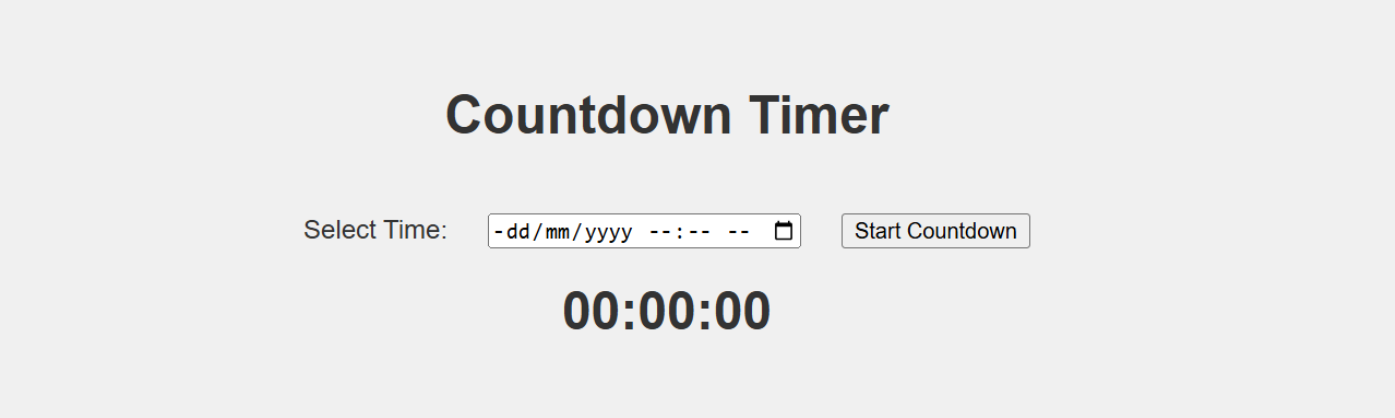
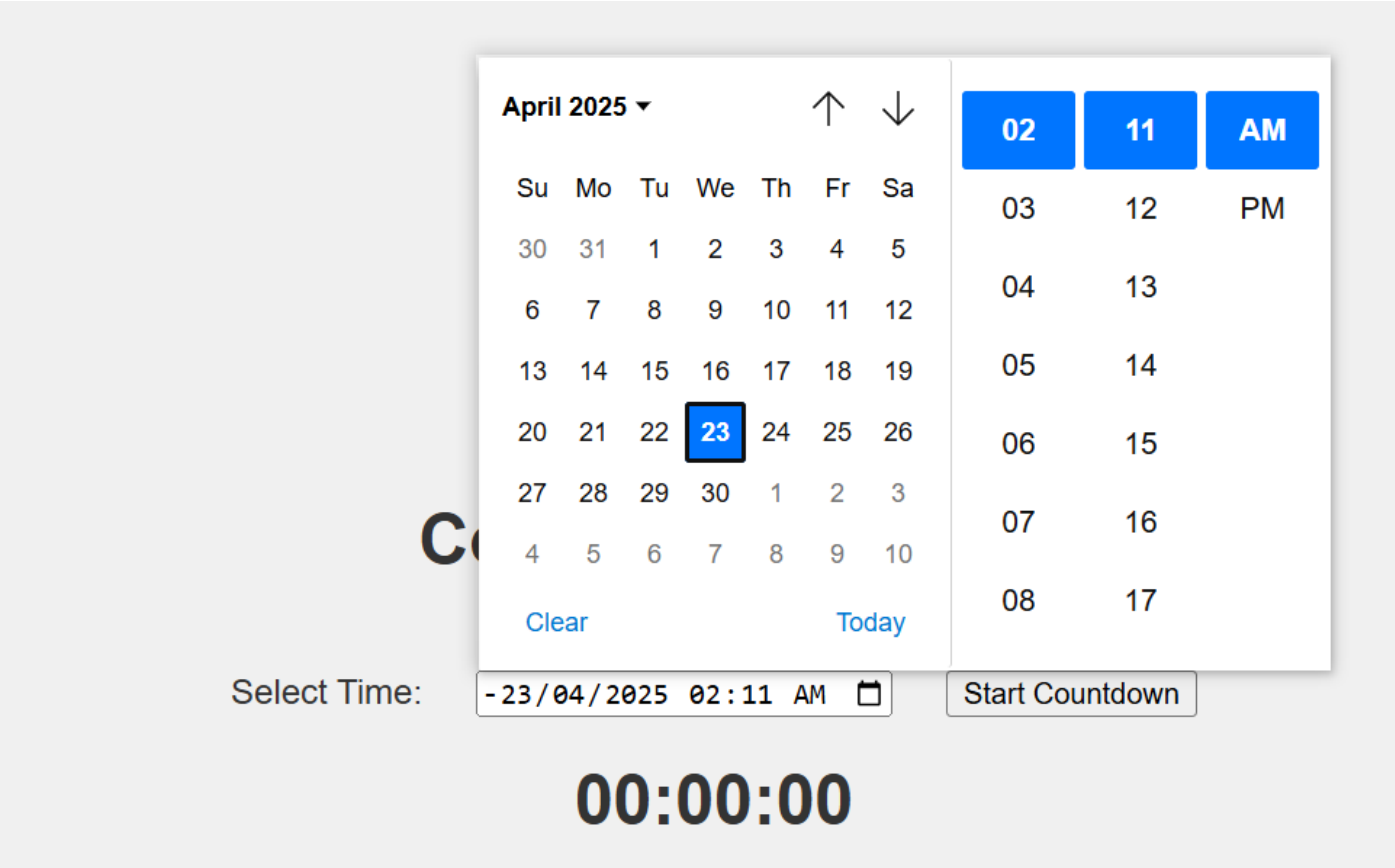
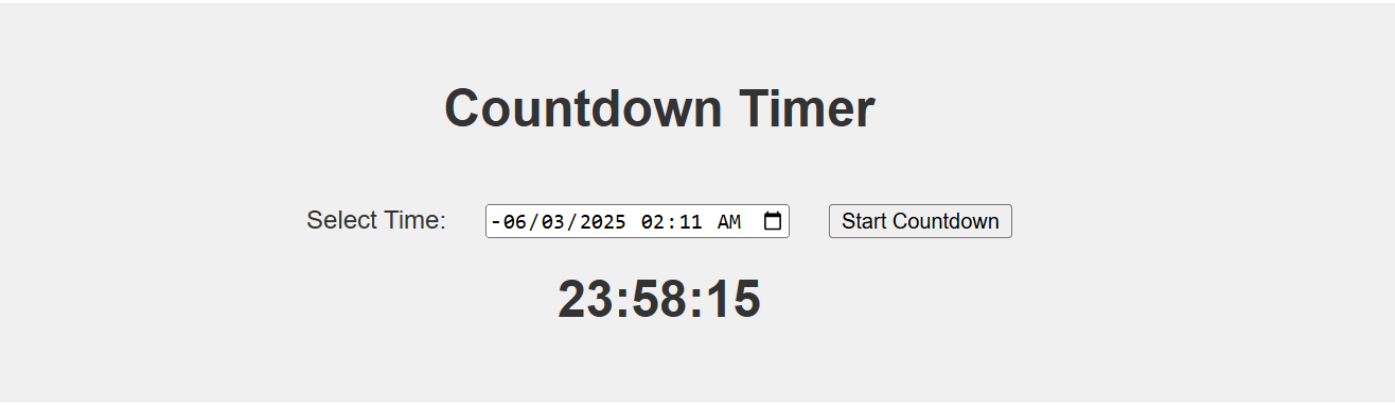
**Output:**

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**Source Code:**

# Countdown.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>00:00:00</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            margin-top: 20%;
            background-color: #f0f0f0;
            color: #333;
        }

        #countdown {
            font-size: 2em;
            font-weight: bold;
        }

        #timeSelector {
            margin: 20px;
        }
    </style>
</head>

<body>
    <h1>Countdown Timer</h1>
    <label for="timeSelector">Select Time:</label>
    <input type="datetime-local" id="timeSelector">
    <button onclick="startCountdown()">Start Countdown</button>
    <div id="countdown">00:00:00</div>

    <script>
        let intervalId;

        function startCountdown() {
            clearInterval(intervalId); // Clear any existing countdown

            const timeSelector = document.getElementById('timeSelector');
            const countdownElement = document.getElementById('countdown');

            const selectedTime = new Date(timeSelector.value);
            if (isNaN(selectedTime)) {
                alert("Please select a valid date and time.");
                return;
            }

            const targetTime = selectedTime.getTime();

            function updateCountdown() {
```

```
            const now = new Date().getTime();
            const distance = targetTime - now;

            if (distance <= 0) {
                countdownElement.innerHTML = "00:00:00";
                document.title = "00:00:00";
                clearInterval(intervalId);

                // Play a beep sound when the countdown ends
                const beep = new Audio("beep.wav");
                beep.play();
                return;
            }

            // Calculate total hours, minutes, and seconds
            const totalHours = Math.floor(distance / (1000 * 60 * 60));
            const minutes = Math.floor((distance % (1000 * 60 * 60)) / (1000 * 60));
            const seconds = Math.floor((distance % (1000 * 60)) / 1000);

            const countdownText = `${totalHours.toString().padStart(2,
'0')}:${minutes.toString().padStart(2, '0')}:${seconds.toString().padStart(2, '0')}`;
            countdownElement.innerHTML = countdownText;

            // Update the browser tab title
            document.title = countdownText;
        }

        intervalId = setInterval(updateCountdown, 1000);
        updateCountdown();
    }
</script>
</body>
</html>
```

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