

Mini Project 1: Smartwatch using HTML, CSS, JS

Project Structure

- index.html
- style.css
- script.js

HTML Code (index.html)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Smartwatch</title>
  <link rel="stylesheet" href="style.css"/>
</head>
<body>
  <div class="watch-container">
    <div class="display" id="time">00:00:00</div>
    <div class="controls">
      <button onclick="toggleFormat()">Toggle Format</button>
      <button onclick="toggleTheme()">Switch Theme</button>
    </div>
  </div>
  <script src="script.js"></script>
</body>
</html>
```

CSS Code (style.css)

```
body {
  margin: 0;
  font-family: 'Segoe UI', sans-serif;
  background-color: #111;
  color: white;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

.watch-container {
  background: #222;
  padding: 30px 40px;
  border-radius: 15px;
  box-shadow: 0 0 20px #444;
```

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```
    text-align: center;
}
.display {
    font-size: 3rem;
    margin-bottom: 20px;
    letter-spacing: 2px;
}
.controls button {
    margin: 5px;
    padding: 10px 20px;
    font-size: 1rem;
    background: #444;
    color: white;
    border: none;
    border-radius: 8px;
    cursor: pointer;
}
.controls button:hover {
    background: #666;
}
body.light {
    background-color: #f0f0f0;
    color: #111;
}
body.light .watch-container {
    background: #fff;
    color: #111;
    box-shadow: 0 0 15px #bbb;
}
body.light .controls button {
    background: #ccc;
    color: #111;
}
```

JavaScript Code (script.js)

```
let is24Hour = false;
function updateTime() {
    const now = new Date();
    let hours = now.getHours();
    let minutes = now.getMinutes();
    let seconds = now.getSeconds();
    let ampm = '';
    if (!is24Hour) {
```

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```
    ampm = hours >= 12 ? ' PM' : ' AM';
    hours = hours % 12 || 12;
}
hours = pad(hours);
minutes = pad(minutes);
seconds = pad(seconds);
document.getElementById("time").textContent = `${hours}:${minutes}:${seconds}${ampm}`;
}
function pad(n) {
    return n < 10 ? '0' + n : n;
}
function toggleFormat() {
    is24Hour = !is24Hour;
    updateTime();
}
function toggleTheme() {
    document.body.classList.toggle("light");
}
setInterval(updateTime, 1000);
updateTime();
```