

Stopwatch

Introduction

Develop a web-based stopwatch application using HTML, CSS, and JavaScript that accurately tracks time, allowing users to start, stop, and reset the stopwatch as needed.

Housekeeping points

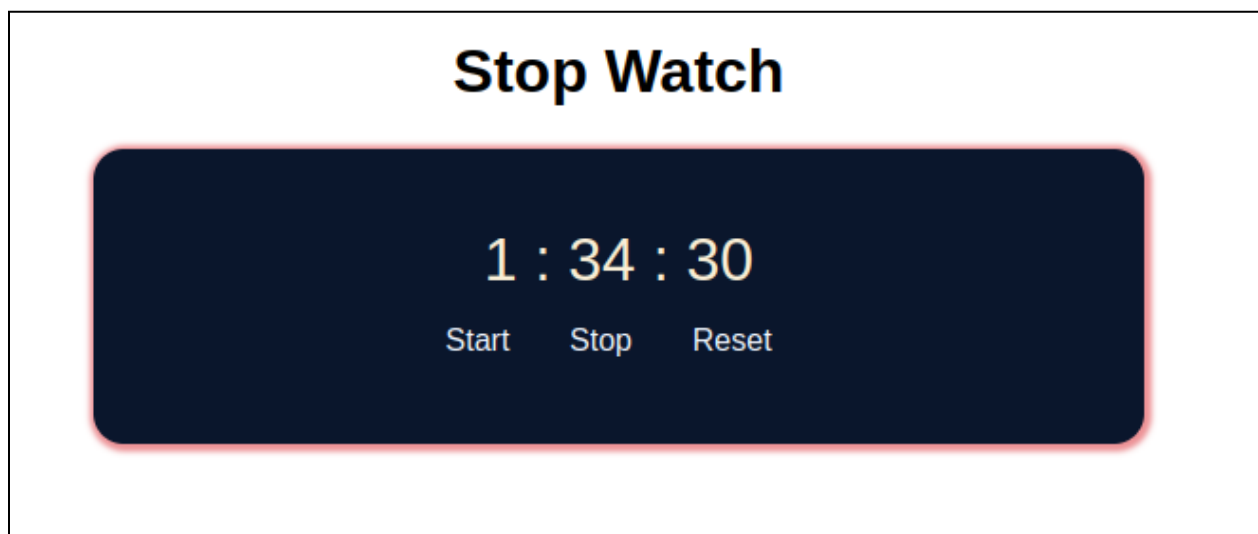
- This is a minimal example and may not follow some standard practices.
- We focus on the main flow, and not much error handling.

Problem Statement

The objective of this project is to create a user-friendly stopwatch interface that displays hours, minutes, and seconds. The stopwatch should include the following functionalities:

1. **Start:** When the user clicks the "Start" button, the stopwatch should begin counting up from 00:00:00, incrementing the seconds, minutes, and hours accordingly.
2. **Stop:** Clicking the "Stop" button should pause the stopwatch, halting the incrementation of time until the user decides to resume.
3. **Reset:** The "Reset" button should reset the stopwatch to its initial state, displaying 00:00:00.

Sample screenshot provided for your reference:



Program Organization

You have been provided with a zip folder named **02_Stopwatch_Source Code.zip** containing all the necessary files which you can use for the project.

You have also been provided with a zip folder named **03_Stopwatch_Sample Solution.zip** containing all the HTML, CSS and JavaScript code as a sample solution.

Deliverables

1. HTML file containing the structure of the stopwatch interface.
2. CSS file providing the styles and layout for the stopwatch elements.
3. JavaScript file implementing the stopwatch functionalities, including start, stop, and reset operations.

By successfully completing this project, we will be able to build a simple and user-friendly stopwatch.