

# Countdown Timer App

## Objective:

The objective of this project is to develop a user-friendly countdown timer that allows users to set timers with predefined durations or custom time inputs. The timer visually displays the remaining time and provides an audio alert when the time is up. This application aims to enhance productivity by helping users manage their time effectively during tasks such as work sessions, breaks, or other timed activities.

## About:

This countdown timer application features a modern and responsive design, utilizing HTML, CSS, and JavaScript. Users can start timers for various predefined durations, including 20 seconds, 5 minutes, 15 minutes, 20 minutes, and 60 minutes. Additionally, users can enter custom time in minutes to set their desired countdown. The timer displays the remaining time in a visually appealing format and indicates the end time, promoting time management and productivity. The application is designed to be simple and intuitive, making it accessible for users of all ages.

## Features:

- 1. Predefined Timer Buttons:** Users can quickly start a timer by clicking buttons for common durations (20 seconds, 5 minutes, 15 minutes, 20 minutes, and 60 minutes).
- 2. Custom Timer Input:** Users can input their desired countdown duration in minutes, providing flexibility in setting specific time intervals.
- 3. Audio Alert:** An audio sound plays when the timer ends, alerting users that the time is up. This feature helps ensure that users do not miss the end of the countdown.
- 4. Dynamic Display:** The remaining time is displayed in a large, bold font for easy visibility, and the end time is shown to inform users when they can return to their tasks.
- 5. Responsive Design:** The timer adapts to various screen sizes, ensuring usability on both desktop and mobile devices.
- 6. Input Validation:** The application includes input validation to ensure that users enter valid numbers. It provides feedback for invalid input, such as negative numbers or non-numeric values.
- 7. User Feedback:** When the timer reaches zero or an invalid input is detected, the application displays appropriate messages to guide the user.

8. **Stylish Aesthetics:** The design uses a modern color scheme and typography, creating an appealing visual experience.
9. **Customizable Features:** The CSS styles and sound can be easily customized to fit the user's preferences or branding requirements.

This countdown timer application is a practical tool for anyone looking to improve their time management skills, making it suitable for students, professionals, and anyone needing to keep track of their time effectively.

## Screenshot

