

Countdown timer SPA

React.js | Varfaj

Problem

Build a countdown timer SPA using React.js with controls to add time, speed up / slow down the countdown, pause, and resume.

Requirements

- The user should be able to enter a # of minutes (positive integer) and click a "Start" button to initialize the countdown.
- Timer format: MM:SS
- The user should be able to pause & resume the countdown using pause / resume buttons.
- While the countdown timer is active, the user should be able to speed up / slow down the speed at the following rates:
 - 1.0X (normal speed, selected by default)
 - 1.5X
 - 2X
- When half of the selected duration has been passed, display a string of text above the countdown timer reading: "More than halfway there!"
 - When the countdown timer reaches 0, this text should change to: "Time's up!"
- When the countdown is within 20 seconds of ending, the countdown timer text should turn red.
- At 10 seconds, the text should start blinking.
- Functionality should be appropriately divided into well-defined components.
- The look of the countdown timer should have a production-ready clean/modern aesthetic. Creatively stylize the elements as you see fit.
- Include screenshots in a README.md file.
- A public github repo for this project should be emailed to kyle@varfaj.com
- Include screenshots in a README.md file.

Mockup:

Countdown: START

More than halfway there!

15:31 ⏸

1X 1.5X 2X