**Time Zone Clocks Angular Application**

**Task:** Create an Angular application that allows the user to lay out clocks for multiple time zones and styles.

**Build Specifications**

* The application state is an array of clocks. Create an interface to represent a Clock. Clocks have at least two properties: timeZone (string) and isDigital (boolean)
* There is a Clocks service to hold an array of Clocks. It includes methods for addClock (adds a default clock to the array), editClock, and deleteClock.
* There are two main components:
  + Settings: Given an array of clocks, displays a list of ClockForm components.
  + Clocks: Given an array of clocks, displays a list of ClockDisplay components.
* The App component gets the array of clocks from the Clock service and includes Settings and Clocks components.
* Settings is broken down into one sub-component
  + ClockForm: displays one clock's settings. This has a clock input binding.
* Clocks is broken down into one sub-component
  + ClockDisplay: Displays either an analog or digital clock. This has a clock input binding and includes a delete button.
* Use an interval to ensure clocks update with the current time every second. Also make sure to clean up the interval when components are destroyed.
* Utilize Luxon Node Package for Clock Data
* An Array of choices that list all of the existing time zones
* An array of time zone choices that the user selects and only those are displayed

This diagram shows how the components work together.

Diagram

Description automatically generated

**Example Screenshot**

Styling is up to your own creativity. This screenshot demonstrates the functionality.

Diagram

Description automatically generated

**Extended challenges**

1. Use mobile-first responsive styling so that the app adjusts well to mobile and desktop devices.
2. Add additional customizations for each clock, such as colors, size, font, whether or not to include seconds, 24hr vs 12hr time.
3. Allow the user to hide and show the settings panel so they only see the clocks