Tree Challenge (UI Only Version)

This programming challenge is to create a tree view in Angular 4.x+ and Bootstrap that accounts for the following:

- The tree should contain a group of nodes, with a main (root) node that can have any number of 'factories'.

- These factory nodes can in turn generate a set amount of random numbers (up to 15), represented as child nodes of their respective factories.

- Factories and children should be created through some means of user input (right click, button press, etc) specifying the number of children to generate (up to 15) and the ranges of those children.

- Factories should have an adjustable name assigned to them, be removable, and have an adjustable lower and upper bound for the random number generation.

- Child nodes should have an adjustable start and end time assigned to them that defaults to midnight upon generation

- All of a factory's existing child nodes should be removed upon each new generation

- Use as many components as you see necessary

Examples (the finished code does not need to look like this in any way – use your own judgement):