1. Given the following flat list of people, write code that will generate an array of people with their children as properties of themselves.

Example output format: [{ name: ‘Sue’, children: [{ name: 'John', children:[] }, { name: 'Garth', children: [] }]}, {<another person>}]

var people=[

{ name: 'John', parent: 'Sue' },

{ name: 'Jack', parent: 'Steve' },

{ name: 'Jill', parent: 'Sally' },

{ name: 'Wayne', parent: 'Jack' },

{ name: 'Twinkle', parent: 'Jack' },

{ name: 'Garth', parent: 'Sue' },

{ name: 'Steve', parent: 'Alejandro' },

{ name: 'Peter', parent: 'Alejandro' },

];

2. Write unit tests to prove your code from step 1.

3. Using the syntax of your favorite module loader/dependency manager, write code that will create an instance of an interactive robot (waving/speaking/etc.). This test is focused on your ability to write modular components that reduce code complexity and duplication. In this test, we aren’t looking for detail in the functions, but rather proper layout of classes and how they should interact with one another.

4. Write HTML and CSS to accomplish the layout below

