**You may use your own dev environment installed with Angular-Cli & IDE**

**Tech Stack**

Angular 10

TypeScript

JavaScript

HTML5

CSS3

**Scope:**

-          Create a simple Angular application with a parent component and two child components.

User events should be captured in parent component and child components should respond based on the user events.

**Component Design:**

 -          Create Parent component with Shuffle and Sort Buttons

-          Create child component-1 and child component-2 as showed in the below image

|  |  |
| --- | --- |
| C:\Users\414645\AppData\Local\Microsoft\Windows\INetCache\Content.Word\New Project.png | **Colours used:**  #000000  #2B8EAD  #333333  #6F98A8  #FFFFFF  #BFBFBF  #EFEFEF  #2F454E  #72C3DC |

-          Child component-1 should display numbers from 1 to 9 in grid structure

- Child component-2 should display numbers from 1 to 9 in vertical structure one by one

**Component Behaviour:**

- By default both child components should be in shuffled order

- When user clicks on the sort button only the Child component-1 should get sorted not the child component-2

- Child component-2 get sorts only when the Child component-1 in sorted order and user clicks on the Sort button

- Same logic applies to shuffle button as well

- When both components are in shuffled order the shuffle button in the parent should be in disabled mode

- When both components are in sorted order the sort button in the parent should be in disabled mode

**Focus Areas for Assessment**

1. Sorts

2. Shuffles

3. Design

4. Component Interactions

5. Code Quality

6. Bonus point

**Optional:**

       Unit testing