Front end Developer Angular Task(Coding Round)

A Single Page Application has to be created which contains two Apps which are seen at two different routes.

1. Increment/Decrement Counter App (Route: {url}/counter)
2. Weather APP (Route: {url}/vatavaran)

Note: These two apps will be in a single Angular application,
   ● when user opens a url by default it should show the path {url}/counter and display the Increment/Decrement Counter App
   ● when user clicks on Weather APP in the Navbar, it should take to {url}/vatavaran and show the Weather APP
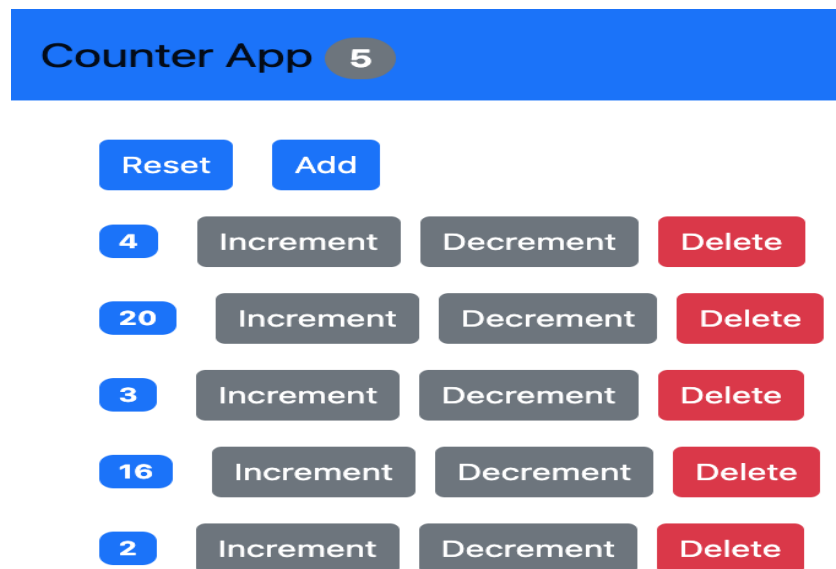
App Components:
   1. Header Component which contains Navbar with two links as shown below:(Same Navbar is present in both apps)

Counter App 5	Weather App

   On Clicking the links respective apps to be shown with header.
   2. Counter Component which contains the template and logic for Increment/Decrement Counter App
   3. Weather Component which contains the template and logic for Weather APP

Increment/Decrement Counter App:

1. On Clicking Add button new counter line is created with count, Increment, Decrement and Delete
2. On Clicking Reset button all the counter lines to be cleared
3. On adding the counter line the no of counter lines added should be shown in the Navbar
4. On Increment button click the count of that particular counter should increase
5. On Decrement button click the count of that particular counter should decrease
6. On Delete button click the counter line should delete.

Weather APP:

1. Use OpenWeather API: https://openweathermap.org/api to fetch data and display it on a page. **APPID: d4594364698122bfd1c4b3eb5f2ff19f**

2. Weather status icons:
   https://www.amcharts.com/free-animated-svg-weather-icons/

Create an Application which consists of two panels.
   - The left panel has an input requiring a City name, and the ADD button beside it.
   - Type a city name in the input then click + button to call weather endpoint to validate city name.
   - If the city name is valid it should be added to the list below under Recent Locations. If a city is invalid an error message should appear and the city should not be added to the list.
   - Adding a new location should be added to the top of the list.
   - The cities in the Recent Locations list should show last temperature and the weather status (an Icon is a bonus).
   - Click on the Refresh button should update the weather reading at this particular location.
   - Click on the X button should remove a location from the list.

- Click on the list item should Call a forecast API and populate the right panel according to the layout.
- Click on the Clear button should remove all locations from the list.
- Only 8 locations should be added, the ninth location should be pushed to the top of the list and the one on the bottom removed. The right panel shows a detailed view of the weather with a 5 days forecast.
- Click on the Refresh button should refresh the weather forecast reading

Guidance:
- Pay attention to the project organization,
- It should be very clear and intuitive.
- Pay attention to the containers/components architecture.
- Usage of Rxjs operators and NgRx will be seen here
- Deliver project over GitHub and share us the link