

Develop the web application using node-red

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Project Name	Signs with Smart Connectivity for better Road Safety.

Python code

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components:

- Inputs:** 'get speed in' and 'set direction in' (green nodes).
- Processing:** 'message parser' (orange node) receives input from 'get speed in'. A 'function' node (orange) receives input from 'set direction in' and outputs to 'set direction out' (green node).
- API Integration:** 'OpenWeatherAPI' (green node) receives input from the 'message parser' and outputs to a 'decision maker' (orange node).
- Outputs:** The 'decision maker' outputs to 'speed out logger debug' (green node) and 'getSpeed out' (green node).
- UI Elements:** 'temperature ui' (blue node) and 'visibility ui' (blue node) are connected to 'temperature' and 'visibility' (orange nodes) respectively. 'location ui' (blue node) is connected to 'location' (orange node).
- Debug Console:** The right sidebar shows a log of messages, including temperature, humidity, and location data.

The browser's address bar shows the URL: `node-red-uthet-2022-11-10.eu-gb.mybluemix.net/red/#flow/b8257091d8173e3d`. The system tray at the bottom indicates a temperature of 84°F and a cloudy weather condition.