```
              +--------------+
              |     User     |
              +--------------+
                     |
                     |
                     v
              +--------------+
              | HTML/CSS/JS  |
              |  (Client-side)  |
              +--------------+
              |                    |
              | +-----------+    |
              |   Search Bar    |
              | CurrentWeather  |
              |HourlyForecast   |
              | 5-day Forecast  |
              |   Interactive     |
              |Charts &Graphs  |
              |   +-----------+  |
              |                    |
              |   +-----------+ |
              |    JavaScript     |
              |    (Fetch API)    |
              |   (Weather API)  |
              | +-----------+   |
                     |
                     |
                     v
           +--------------+
           |   Weather API     |
           |(OpenWeatherMap) |
              +--------------+
```