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C# Weather App Plan

**C# Weather App Design Plan**

**.NET Frameworks**: ASP .NET Core Web

**Web API**: ASP .Net Core Web Api, Separate Micro-webservice for making API calls to weather data source.

**Weather Data Source**: <https://openweathermap.org/api/one-call-api>

**CSS Styling**: Bootstrap 5.0.2 min, <https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css>

**Features**: Search for location based on city name/province rather than lat & lon.

**Mock Layout Design**:

|  |  |  |
| --- | --- | --- |
| Search US Weather by: | City: | State: |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weekly Weather at {City}, {State}** | | | | | | |
|  | Temp. (F) | Feels Like (F) | Precipitation (in) | Humidity (%) | Wind Direction | Wind Speed (mph) |
| Sunday |  |  |  |  |  |  |
| Monday |  |  |  |  |  |  |
| Tuesday |  |  |  |  |  |  |
| Wednesday |  |  |  |  |  |  |
| Thursday |  |  |  |  |  |  |
| Friday |  |  |  |  |  |  |
| Saturday |  |  |  |  |  |  |