W10 Submission: Preston Weather API

<div style="border:1px solid #0099cc; display:inline-block; padding:8px 16px;">Submit Assignment</div>
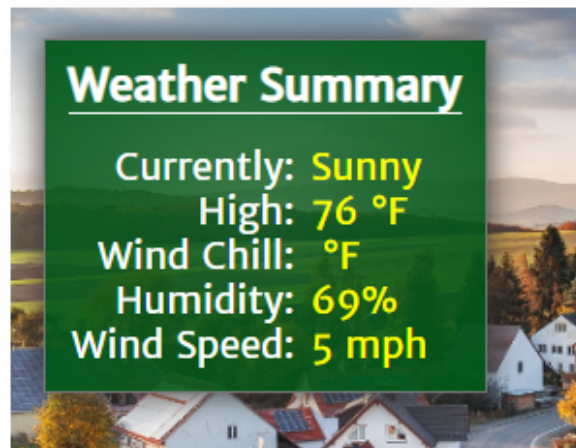
Due Saturday by 11:59pm   **Points** 30   **Submitting** a website url

In this week's application assignment, you will employ a third-party API to supply the current weather conditions for your Preston town page instead of using the placeholder values. This API request will respond with a JSON file from which you can extract the necessary information to fill your page content in the appropriate locations. Remember that the **activity this week** prepares you to complete the assignment. This week will also prepare you to complete the final version of the weather site that is due at the end of the next week where the remaining two town pages will be added.

Instructions and Requirements

► Create the "preston-10.html" page by copying your latest version along with any required supporting documents for this page in your lesson-10 folder.

► Replace the static content in the weather summary section with current weather data for Preston, Idaho from OpenWeatherMap.

> You can use either the High temperature or current temperature of both if you wish in the weather summary. This example only shows the High data and has failed to calculate the Wind Chill. So "N/A" would be more appropriate.

> Reminder: The city ID variable at OpenWeatherMap for Preston Idaho is **5604473**. Also be sure to use your own APPID.

Your live weather summary should report:

- the current condition description,

- the high or current (or both) temperature(s) in Fahrenheit,
- the humidity,
- the wind speed, and
- should still calculate and display the wind chill factor.

▶ Replace the static content in the 5-day forecast with actual forecast data using the temperature forecast at the 18:00:00 hour mark each day for five days along with the associated weather icon provided.

5 Day Forecast

Wed	Thu	Fri	Sat	Sun
89°F	87°F	78°F	75°F	72°F

Consider looping through the *forecast.list* entries and determine with an selection structure if the *dt_txt* field contains (includes) the string '18:00:00' to get your five forecasts.

```
▼ Object ⓘ
  ▶ city: {id: 5604473, name: "Preston", coord: {…}, country: "US"}
    cnt: 40
    cod: "200"
  ▼ list: Array(40)
    ▼ 0:
      ▶ clouds: {all: 92}
        dt: 1552489200
        dt_txt: "2019-03-13 15:00:00"
      ▶ main: {temp: 25.5, temp_min: 20.27, temp_max: 25.5, pressure: 1011.02, sea_lev
      ▶ snow: {3h: 0.116}
      ▶ sys: {pod: "d"}
      ▶ weather: [{…}]
      ▶ wind: {speed: 2.86, deg: 295.501}
      ▶ __proto__: Object
    ▼ 1:
      ▶ clouds: {all: 92}
        dt: 1552500000
        dt_txt: "2019-03-13 18:00:00"
      ▶ main: {temp: 27.61, temp_min: 23.69, temp_max: 27.61, pressure: 1011.09, sea_l
      ▶ snow: {3h: 0.3545}
      ▶ sys: {pod: "d"}
      ▶ weather: [{…}]
      ▶ wind: {speed: 3.02, deg: 285.001}
      ▶ __proto__: Object
    ▶ 2: {dt: 1552510800, main: {…}, weather: Array(1), clouds: {…}, wind: {…}, …}
    ▶ 3: {dt: 1552521600, main: {…}, weather: Array(1), clouds: {…}, wind: {…}, …}
```

Current weather icon information: **weather icon key** **(https://openweathermap.org/weather-conditions)**

Use the information about the available parameters found on **JSON weather parameters in API respond (https://openweathermap.org/current#current_JSON)** .

► Commit and push your page for review within your teaching team.

As your team meets this week, discuss challenges and provide feedback to each other on your individual page builds.

► Update as needed and then submit your GitHub Pages URL.

W10: Preston Weather API Rubric (Updated)		
Criteria	**Ratings**	**Pts**
Requirements and standards have been met.		30.0 pts
		Total Points: 30.0