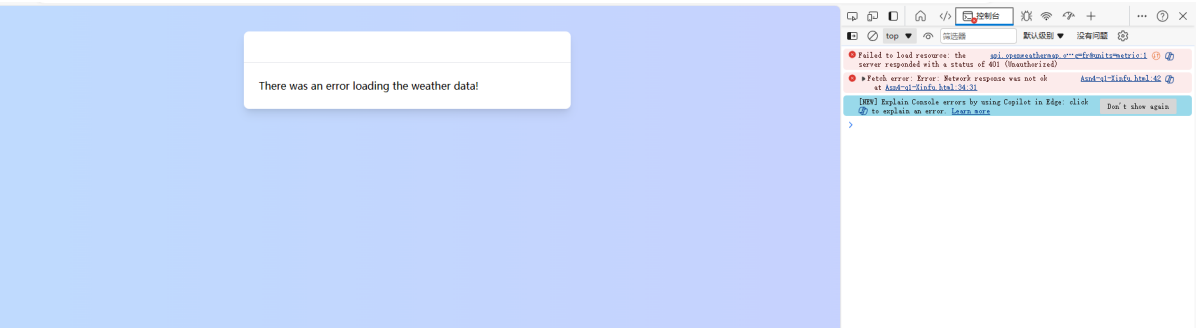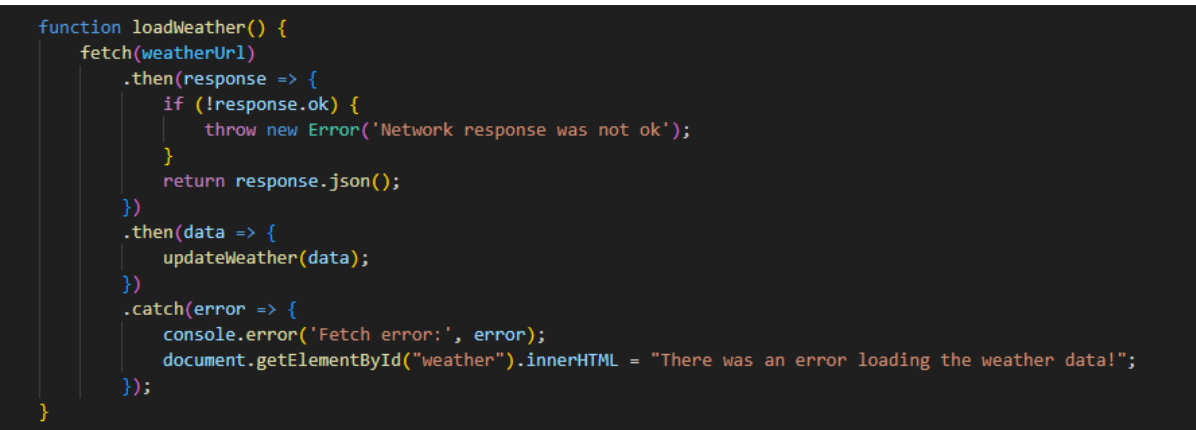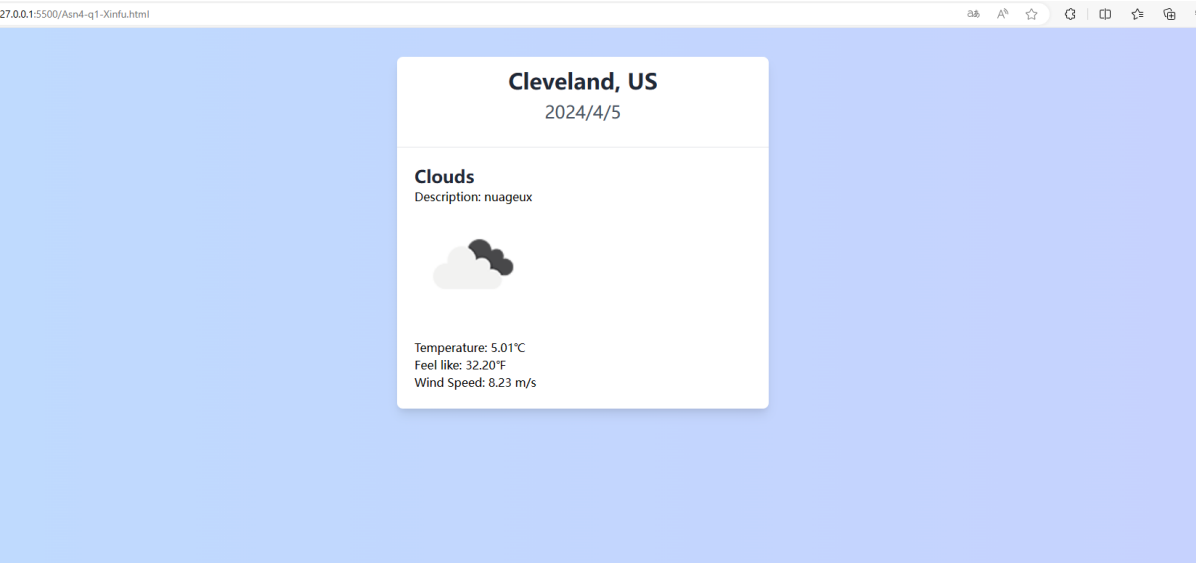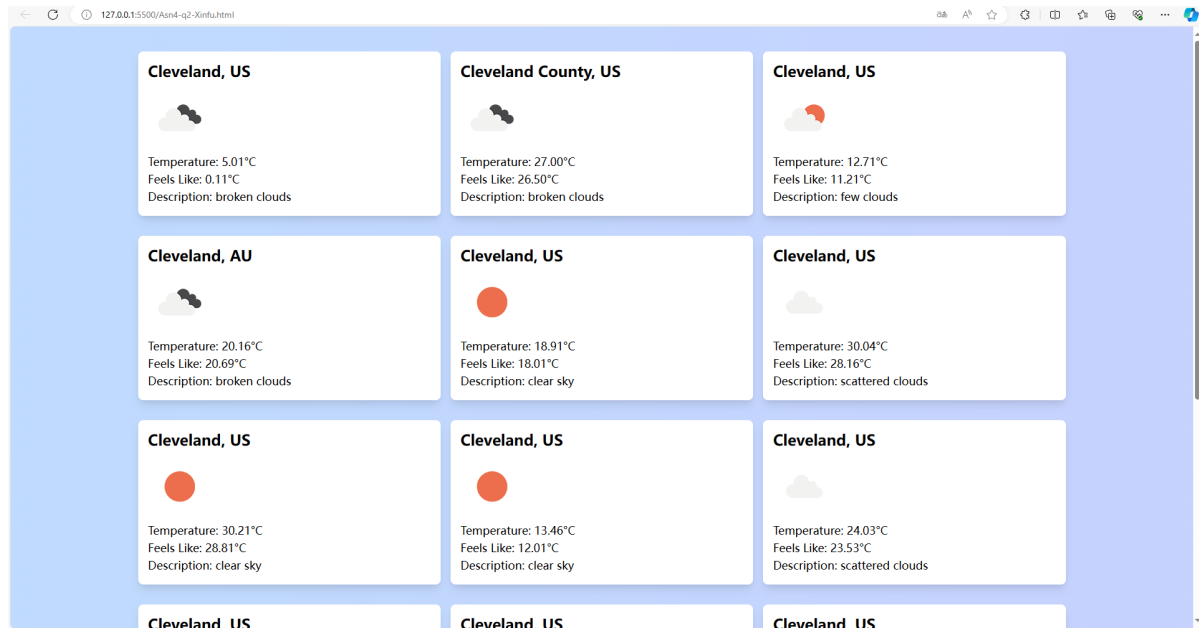# ITC5202 – Assignment 4

- I declare that this assignment is my own work in accordance with Humber Academic Policy.

- No part of this assignment has been copied manually or electronically from any other source

- (including web sites) or distributed to other students.

  - Name: Xinfu Guo

  - Student ID: n01611988

  - Date: 2024/4/5

Question 1


```
function loadWeather() {
    fetch(weatherUrl)
        .then(response => {
            if (!response.ok) {
                throw new Error('Network response was not ok');
            }
            return response.json();
        })
        .then(data => {
            updateWeather(data);
        })
        .catch(error => {
            console.error('Fetch error:', error);
            document.getElementById("weather").innerHTML = "There was an error loading the weather data!";
        });
}
```

Question 2


```javascript
$.ajax({
    url: weatherUrl,
    dataType: 'json',
    success: function(data) {
        $('#container').empty();
        $.each(data.list, function(index, weatherItem) {
            const tempCelsius = (weatherItem.main.temp - 273.15).toFixed(2);
            const feelsLikeCelsius = (weatherItem.main.feels_like - 273.15).toFixed(2);
            const iconUrl = `https://openweathermap.org/img/wn/${weatherItem.weather[0].icon}@2x.png`;
            $('#container').append(
                `<div class="weather-card p-4 shadow-lg mb-4 rounded-lg bg-white">
                <h2 class="text-2xl font-bold">${weatherItem.name}, ${weatherItem.sys.country}</h2>
                <img src="${iconUrl}" alt="Weather Icon" class="my-2">
                <p>Temperature: ${tempCelsius}°C</p>
                <p>Feels Like: ${feelsLikeCelsius}°C</p>
                <p>Description: ${weatherItem.weather[0].description}</p>
                </div>`
            );
        });
    },
    error: function() {
        console.log("Error");
        $('#container').html('<p>Error loading weather data.</p>');
    }
});
```

Question 3

XML Data Table

sku	shippable
BOS12DDF2	true
OBOKS34KBKS	true
HVBOSPR292BS	false
BJPSO1342KSLS	true

```javascript
try {
    const response = await fetch('products.xml');
    const data = await response.text();
    const parser = new DOMParser();
    const xmlDoc = parser.parseFromString(data, "application/xml");

    displayData(xmlDoc);
} catch (error) {
    console.error('Error fetching or parsing XML:', error);
    displayError('Failing load data');
}
```

```javascript
            }
        }
    } else {
        displayError("No records found in the XML")
    }
```

XML Data Table

Failing load data

XML Data Table

No records found in the XML