JSON

JavaScript Object Notation

Most popular data-interchange format on the web

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON

Promises

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise

Promises

- An abstraction for asynchronous operations
- Used to make async code easier to read and reason about
- A pre-requisite for using async / await (which is what actually makes it easier)

Promises

Example: Fetch

```
fetch('https://pokeapi.co/api/v2/pokemon?limit=10')
  .then(function (response) {
    return response.json()
  })
  .then(function(pokemons){
    console.log(pokemons);
  });
```

Promises

Example: Fetch

```
fetch('https://pokeapi.co/api/v2/pokemon?limit=10')
  .then(function (response) {
    return response.json()
  })
  .then(function(pokemons){
    console.log(pokemons);
  })
  .catch(function (error) {
    console.log(error);
  })
```

Promises

- Represents an operation that hasn't completed yet, but is expected in the future

Promises

Constructor

```
var myPromise = new Promise(function(resolve, reject) {

  //...
  reject(new Error('something bad!'));

});
```

Promises

Then

```
myPromise.then(onResolve, onReject)

function onReject(reason) {
  //...
}

function onResolve(value) {
  //...
}
```

Promises

Then and Catch

```
myPromise
  .then(function(value) {
    //...handle success here
  })
  .catch(function(reason) {
    //...handle error here
  })
```