

## JSON Basics

### What is JSON?

- JSON = JavaScript Object Notation
- Lightweight data-interchange format
- Based on a subset of JavaScript
- Easy to read and write
- Often used with AJAX
- Can be used with most modern languages

### Data Types:

- Number: no difference between integer and floats
- String: string of unicode characters. Use double quotes
- Boolean: true or false
- Array: ordered list of 0 to more values
- Object: unordered collection of key/value pairs
- Null: empty value

### JSON Syntax Rules:

- Uses key/value pairs = {"name":"Brad"}
- Uses double quotes around Key and Value
- Must use the specified data types
- File type is ".json"
- MIME type is "Application/json"

### JSON Example:

```
{
  "name": "Brad Traversy",
  "age": 35,
  "address": {
    "street": "5 main st",
    "city": "Boston"
  },
  "children": ["Brianna", "Nicholas"]
}
```