3.3 Javascript Data Structures

Matt Price

Arrays

```
let myArray = ["some",
               "collection",
               "of",
               "things",
               4,
               7,
               3458,
               ["a", "sub", "array"],
               "pretty",
               "random"
               ]
```

Objects

```
{
  title: "I am a collection of key-value pairs",
  separation: "always separated by commas",
  possibleValues: ["value", "can", "be", "any", "javascript", "data structure"
  evenOtherObjects: {
    subvalue1: "Even other objects",
    subvalue2: 234098,
    subvalue3: "This is getting silly"
  },
  "propertyNamesCanBeQuoted": "Not really a good idea but we do it anyway"
}
```

- key-value pairs
- separated by commas (remember: CSS rule separator is semi-colon, JS object property separator is comma)
- value can itself be a complex data structure

In our Assignment

```json
{
    "type": "stanza",
    "class": "",
    "content": [
        {
            "type": "line",
            "class": "",
            "content": [
                {"type": "word", "content": "Everywhere", "class": "", "meta": ""},
                {"type": "word", "content": "lies", "class": "", "meta": ""},
                {"type": "word", "content": "a", "class": "", "meta": ""},
                {"type": "word", "content": "corpse", "meta": ""},
                {"type": "punctuation", "content": ",", "class": "", "meta": ""},
                {"type": "word", "content": "mourned", "class": "", "meta": ""}
            ]
        },
        {
            "type": "line",
            "class": "",
            "content": [
                {"type": "word", "content": "without", "class": "", "meta": ""},
```

Your Task: JS part

- **add classes to relevant components**
- **consider adding meta, if you want to explain something**
- also possible to add new elements!

```json
{
    "type": "stanza",
    "class": "",
    "content": [
      {
        "type": "line",
        "class": "",
        "content": [
          {"type": "word", "content": "without", "class": "", "meta": ""},
          {"type": "word", "content": "a", "class": "", "meta": ""},
          {"type": "word", "content": "eulogy", "class": "death", "meta": ""},
          {"type": "word", "content": "or", "class": "", "meta": ""},
          {"type": "word", "content": "a", "class": "", "meta": ""},
          {"type": "phrase", "class": "",
```