12/15/2016 2.3 Tables

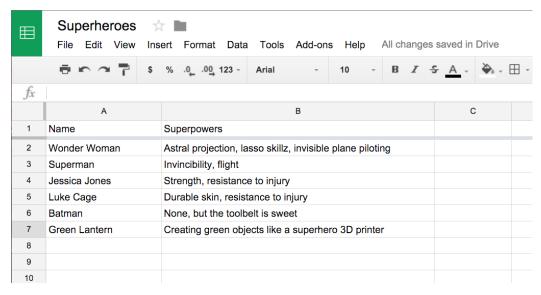
2.3 Tables

Submit Assignment

Due Monday by 10am **Points** 15 **Submitting** a website url

Spreadsheets are used to organize all sorts of tabular data, or data displayed in rows and columns.

For instance, if your job were to keep track of the world's superheroes, you might create a document like this one:



In HTML, you can display tabular data using a table element.

Release 0: Build a Table

A table consists of the following components:

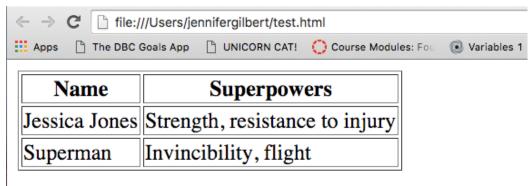
- the table element:
- one or more table row elements:
- one or more table heading elements which are (generally) only children of the first row:

The code below:

```
        \table border=1>
        \table
```

creates this table:

12/15/2016 2.3 Tables



The table element has a border=1 attribute set on it, which adds a 1-pixel border around all cells, so you can see them.

The th element adds styling to its text, so it is centered and bold. It also has the semantic meaning of "table heading", so using it is good for accessibility.

To create an empty cell, you must put the code ; (HTML for "non-breaking space") into the cell. Otherwise, the border will not show.

```
1. Create a new practice page in <a href="phase-0-tracks/html">phase-0-tracks/html</a> called <a href="table-practice.html">table-practice.html</a>.

2. Add the the base HTML layout (sometimes referred to as HTML boilerplate) with the standard elements of any HTML page:

o doctype
html
head
body
title

3. Create a table with at least 3 rows, 3 columns, and any content you want.

4. Validate your HTML code with one of the following HTML validators: <a href="w3c validator.w3.org/#validator.w3.org/#validate.by.input">w3c validator.w3.org/#validate.w3.org/#validate.by.input</a>) (choose More Options, and in the Use Doctype dropdown menu choose HTML5), or <a href="walidator.nu/">validator.nu/</a> <a href="walidator.nu/">https://html5.validator.nu/</a>) (choose Text Field from the dropdown).

5. Update your changes on GitHub using proper <a href="Git Workflow">Git Workflow</a> and <a href="GitHub Workflow">GitHub Workflow</a>.
```

Release 1: Get Fancy with Row and Column Span

Table cells can span a row or a column by setting the rowspan or colspan attributes on a cell.

When a cell has a rowspan=2 attribute added to it, then it will span two rows, so in the next row, you need to remove a cell to account for the spanning. Likewise, when a cell has a colspan=2 attribute added to it, then it will span two columns, so in the current row, you need to remove a cell to account for the spanning.

Here is an example of a table with rowspan=2.

The code below:

```
Header 1
Header 2
Header 3
Header 3</t
```

12/15/2016 2.3 Tables

... will look like this in the browser:

Header 1	Header 2	Header 3
Cell 1	Cell 2	Cell 3
Some Text		C
	Red 1	Red 2

DO THE THING

Add another table to your practice page.

- 1. Create a table with at least one cell that spans two rows and another cell that spans two columns. (The table should have at least three rows and columns total.)
- 2. Validate your HTML code with one of the following HTML validators: W3C validator validator.w3.org/#validate by input) (choose More Options, and in the Use Doctype dropdown menu choose HTML5), or Validator.nu validator.nu validator.nu/(choose Text Field from the dropdown).
- 3. Verify you can access the table-practice.html page live.
- 4. To complete this challenge, submit the GitHub URL of the table-practice.html page.

Some Rubric (8)					
Criteria use and threshold: 3.0 pts		Ratings			
	Exceeds Expectations 5.0 pts	Meets Expectations 3.0 pts	Does Not Meet Expectations 0.0 pts	5.0 pts	
use colspan and rowspan threshold: 3.0 pts	Exceeds Expectations 5.0 pts	Meets Expectations 3.0 pts	Does Not Meet Expectations 0.0 pts	5.0 pts	
demonstrates good Git workflow	Exceeds Expectations 5.0 pts	Meets Expectations 3.0 pts	Does Not Meet Expectations 0.0 pts	5.0 pts	