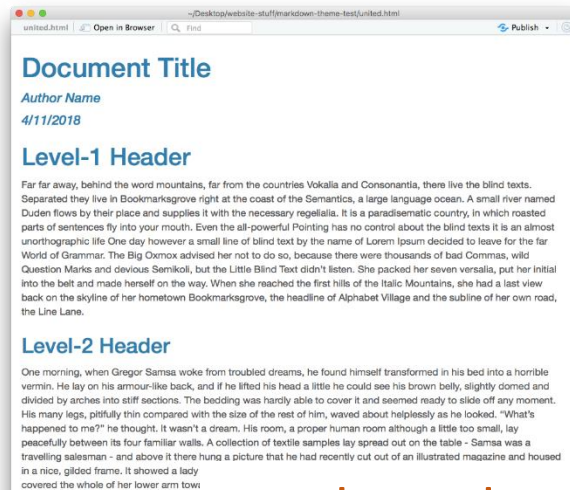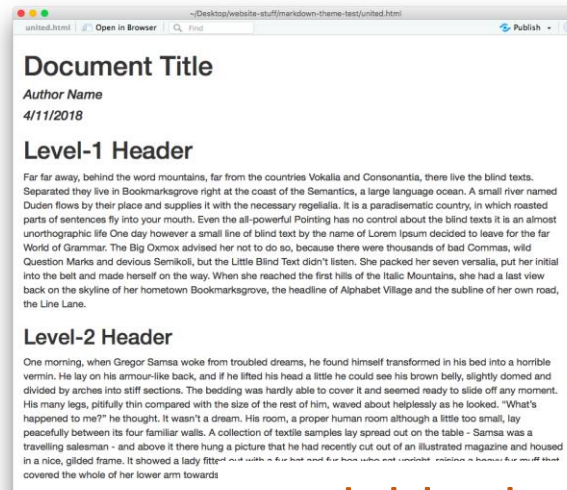# CSS: CASCADING STYLE SHEETS

Why use CSS?
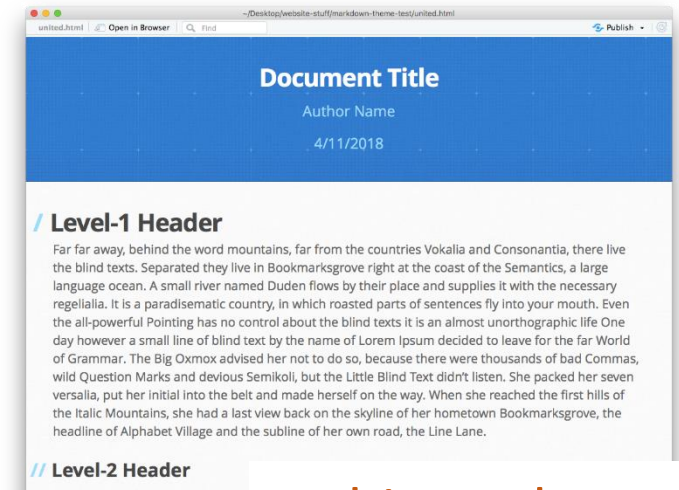
- Separates the task of creating content from packaging content.

cerulean theme

readable theme

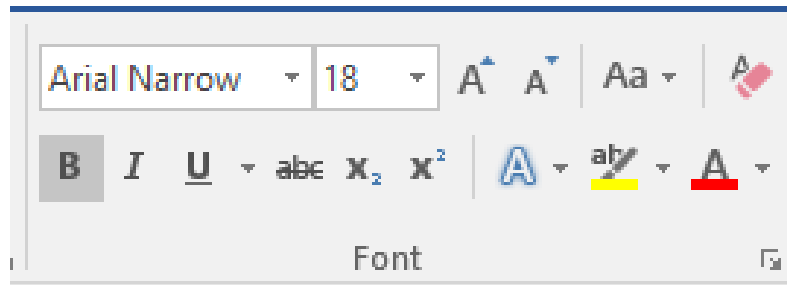architect theme

```
---
output:
  html_document:
    theme: readable
---
```

You've been using this in
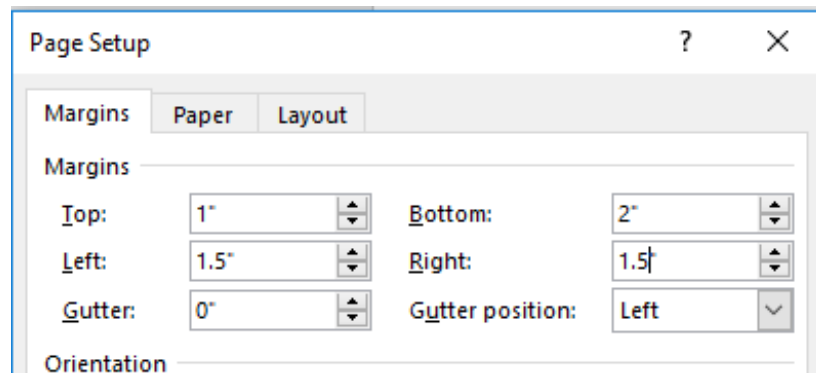RMD documents already !

What is a STYLE?

Graphical User Interface Version of Style

(text style)

(page style)

```
h1{
    font-type: arial narrow;
    font-decoration: bold;
    font-size: 18pt;
    color: red;
}



body {
    margin-top: 1;
    margin-left: 1.5;
    margin-right: 1.5;
    margin-bottom: 2;
}
```

GITHUB PAGES

GitHub Page

- Activating website options in a project repository

- Details:
  - Static
  - Jekyll site (ruby)
  - Liquid tags
  - YAML headers

LIQUID TAGS

Generic Variables

- Liquid tags allow you to reference info in your YAML header directly in your page.

```
---
yellowdig:
  post-01: 'Monday, Aug 24th'
  post-02: 'Monday, Aug 31st'
---


## Practice Problem Warmup


**Post on {{page.yellowdig.post-01}}**


Note that these are non-obvious bugs that can EASILY work there way into your code. Once you see
the problem, it will seem obvious. But until you see it the code often looks fine and it's
unclear why it is not working as expected.
```

YAML header data

Liquid tag referencing YAML field

Generic Variables

(Rendered HTML Page)

Practice Problem Warmup

Post on Monday, Aug 24th

Liquid tag replaced with value in YAML table

Note that these are non-obvious bugs that can EASILY work there way into your code. Once you see the problem, it will seem obvious. But until you see it the code often looks fine and it's unclear why it is not working as expected.

These practice problems are largely an opportunity to review content from CPP 526 and develop a sensitivity for the importance of writing robust and sustainable code, and testing your code for unexpected behaviors.

Many of these questions are similar to riddles or brain teasers that help sharpen your critical thinking skills when working with code. Work through them on your own, then discuss your ideas on YellowDig with classmates.

HTML PAGE BASICS

Anatomy of an HTML Page

- Components:
  - Head
  - Header
  - Body
  - Footer
- Templates / Layouts

<head>

<header>

<body>

<footer>