CWRU Model-2 Notes

- Heroku
- Git
- Emmet
- Robomongo

Google Chrome
- This is the web browser we'll be using to quickly determine whether our code is working. Google Chrome has a number of tools that make it an ideal platform for coding, so if you are currently using a different browser, we encourage you to switch to Chrome.

Screencastify
- Screencastify is a free, lightweight extension for Google Chrome. We will be using this screen recorder to easily capture our desktop, browser, webcam, or certain applications.

Slack
- Slack is an online communication tool that is a mix of forum, instant messenger, and email all rolled into one. It's a tool used by countless organizations worldwide, and you'll be using it every single day for the next six months.
- We will use Slack to send code snippets during class, relay important announcements, and facilitate group exercises. You will receive the link to your class-specific channel during orientation. Though there is a Slack web client, for this course you should have the program installed on your machine.

VS Code – (Visual Studio code)
- A little program that does so much!
- Visual Studio (VS) Code is a free text editor that runs on Mac, Linux, and Windows operating systems. For developers, text editors are like the cozy pillow on which they rest their heads.
- At a fundamental level, programming is all about creating text in files with various extensions. When we create a block of HTML like the one below, what we've really done is created a block of text. There are some funny symbols in there, but at its most basic level, it's just text.

```
<!DOCTYPE html>
        <html lang="en">
        <head>
                <meta charset="UTF-8">
                <title>Document</title>
        </head>
        <body>

                <h1>Yo Yo Yo</h1>
                <h2>I'm the big man money</h2>

        </body>
</html>
```

- For a simple text editor, this is where the comprehension stops: our block of HTML remains a block of text. But for more powerful text editors like VS Code, these blocks of text are immediately recognized as code (as long as we include the right file extension). VS Code can provide a more visually intuitive understanding of the code through indicative coloring, smart tabs, and autocomplete functionality. As a result, creating HTML like the block above is a more natural process and can be debugged more quickly.
- When you start working in VS Code, you may notice that it wants to autocomplete your code while you're typing it. Don't be alarmed by this! VS Code has a built-in feature that can hint at autocompletion as you type. You don't have to use the suggestions that it provides, but this feature will save you time in the future as you continue to code.

Git Bash
- offer a command-line interface for working with the files and folders on your computer.
- (GUI) - graphical user interface

Git
- Git is a version-control system that offers a specialized set of strategies for orchestrating this collaboration

GitHub
- stores these collaborative actions online.
- think of GitHub as a sort of Dropbox for coders.
- it offers a central place for developers to upload their code, view revision history, and make changes to a master set of files.

Xcode (Mac Only)
- Xcode is a development suite exclusive to Mac
- Xcode will set up some of the other required boot-camp programs including Git, which coders depend on for logging the development of programs and applications.

Homebrew (Mac Only)
- Mac-specific tool kit that makes it easy to install a variety of applications using the command line.
- Greatly simplify the installation process for various tools you'll be using throughout your career.