

GoCode Prework Week 1

The tutorials below will help you get a basic proficiency with OSX and Terminal, as well as help you get started on your project planning.

1) OSX Basics (1 hour)

If you haven't used a MAC before, you'll want to work through this. If you're an experienced MAC user, you can just skim or skip this section.

Resources:

- [Mac for Beginners](#) A quick look around the basic layout of OSX.
- [OSX Basics](#) A video guide to some basic things in OSX.
- [Using Spotlight](#) A quick overview of spotlight.

Assess yourself:

- Create new folders/directories
- Keep and remove applications from your dock
- Force quit an application (option+cmd+esc)
- Get to spotlight using the keyboard shortcut (cmd+space), and find something using spotlight

2) Command Line Basics (8 hours)

Resources:

- [Learn Command Line the Hard Way](#) Knowing how to use the command line (Terminal) is a critical skill for a developer, and we'll be spending a lot of time here. This tutorial is all about practice. Work through the entire thing.
- [Command Line Tutorial](#) Another quick command line tutorial to solidify the basics and includes some good tips. Read through this tutorial and focus on sections that are not familiar to you.
- [Quick Intro to VI](#) VI is the basic text editor for Unix based system. You do not need to master this tool, but you will need to be able to add some text to a file, and save. Tools like Git, which we will cover later, use VI, so it's imperative you know the basics.

Assess yourself:

- Create a new directory
- Remove/delete a file or directory
- Easily navigate to your home directory
- List all the contents of your home directory including hidden files
- View/open files
- Navigate using relative paths
- List all the files or directories that begin with "G"
- Use tab completion
- View recently typed commands using the up arrow
- Using VI - can you edit a file and make some changes, then commit the changes and save?

3) Capstone Project Planning (5 hours)

The Capstone Project will be the highlight of your Github portfolio. Please complete the following:

- Write a short description (one or two hundred words) **two or three project ideas** that you might want to work on during the course.
- For each project, write a list of features that you want in the following format:
 - "As a user, I can log-in and see my dashboard"

- "As a user, I can search for the most expensive computers"
- "As an admin, I can see a list of registered users"
- In general: "As an X, I can do Y"

These are called "user stories" - a very common way to plan projects in web development!

iii) Please read this tutorial to learn about how to write a good user story:

[Guide To User Stories](#)

Once you have completed these, please send the a pdf or a word document with the users stories and descriptions to jeremy@gocodenow.com within 14 days. We will work through these during the course and help you narrow down and refine the scope of the project.