

Installation Guide

The project has since been moved git repository from google drive. This will afford us more flexibility in versioning, and experience in source controlled systems. Source controlling is a standard in the field of IT projects, and will be a good tool to show experience in for future job opportunities.

The repository we will be using for this project is github. An open source version control database. It will be a public project for the purposes of this class, as the information and code should be available for public consumption. It can also be pointed to for examples of future references to code written by you for the means of employment, and a show of experience.

Installing Github

Go to the url and click Download GitHub for windows. This will install all the tools you need for git.

<https://help.github.com/articles/set-up-git>

After that installs, follow the instructions on that page about general setup.

Fetching the repository

Open GitBash, if you haven't already, and go to the folder where you wish to install the project by typing:

```
cd [path]
git init
git pull https://github.com/BrandonCouts/CGGA-ProShop.git
```

Hint: Tab will complete commands, and file paths for you.

Quick Git Commands Reference Chart

pwd	print working directory
ls	list files
ls -a	list all files, including hidden
cd [path]	change directory
mkdir [name]	makes a directory
rm -r [name]	Remove file/folder

Pushing changes to Github

After you have changed files, you can check the status of the git state by typing

git status

This adds the remote repo to the variable *origin*.

git remote add origin <http://github.com/BrandonCouts/CGGA-ProShop.git>

To add the files in the dir to the working set, and versioning, *if you have created new files*:

git add .

To tell git to prepare for a push:

git commit -m "Your verion change message here"

To tell git to push to *origin* your working set:

git push origin master

After Git

You will need to install local programs to ensure that the project will be set up correctly, and run.

Install Programs

Node.js - Javascript server

<http://nodejs.org/>

Click download

install in a place with a short filepath: "C:\nodejs\"

To run, open a command prompt and type:

"node [path to js file]"

Node C:\Users\Dessert\Google Drive\Websites\proshop\app.js

This will start the server

Mongodb - No-Sql database for JSON

<http://www.mongodb.org/downloads>

Choose your download

Install in a place with a short filepath: "C:\mongo\"

To run, open a command prompt:

"mongod --dbpath [path to file folder]"

YOU NEED TO MAKE SURE THE PATH EXISTS

Mongo will make a database if one does not already exist in the path

Bower - front end package manager

<http://bower.io/>

When you installed node.js you also installed a package manager for node called npm.

"Node package manager."

```
npm install -g bower
```

Installs bower globally on your machine. You should now be able to use commands like:

```
bower install <package>
```

Install Packages

Angular.js - front end javascript framework

Using **bower** install angular in the **public** folder of the site.

[path]/public: bower install angular

Angular-route.js - Routing for single page applications

Using **bower** install angular-route in the **public** folder of the site.

[path]/public: bower install angular-route

Bootstrap - CSS, Javascript framework for modernization

Using **bower** install bootstrap in the **public** folder of the site.

[path]/public: bower install bootstrap

JQuery - Javascript library for exposing better javascript

Using **bower** install JQuery in the **public** folder of the site.

[path]/public: bower install JQuery

Express.js - Web development framework

Using **npm** install Express in the **root** folder of the site.

[path]: npm install express

Mongoose.js - MongoDB ODM

Using **npm** install Mongoose in the **root** folder of the site.

[path]: npm install mongoose