**CMSC201**

**Project 4 Part 1 – GitHub**

**GitHub**

**GitHub** is a web-based [hosting service](https://en.wikipedia.org/wiki/Internet_hosting_service) for [version control](https://en.wikipedia.org/wiki/Version_control) using [Git](https://en.wikipedia.org/wiki/Git). It is mostly used for [computer code](https://en.wikipedia.org/wiki/Source_code). It offers all of the [distributed version control](https://en.wikipedia.org/wiki/Distributed_version_control) and [source code management](https://en.wikipedia.org/wiki/Source_code_management) (SCM) functionality of **Git** as well as adding its own features.

If you have ever edited several versions of a file, you may have added a date onto the file name so you don’t erase the earlier versions. Git was created to manage these versions transparently to you.

You might need to use Git or GitHub on a software development team in industry or government in the future. Therefore, this assignment will introduce you to GitHub.

Octocat is the mascot of GitHub. You can see many versions of Octocat at <https://octodex.github.com/>.

* Using Git and GitHub

**Concepts tested by this assignment**

* + Creating an account in GitHub
  + Creating a repository
  + Uploading a directory of files

**Project Description – for students**

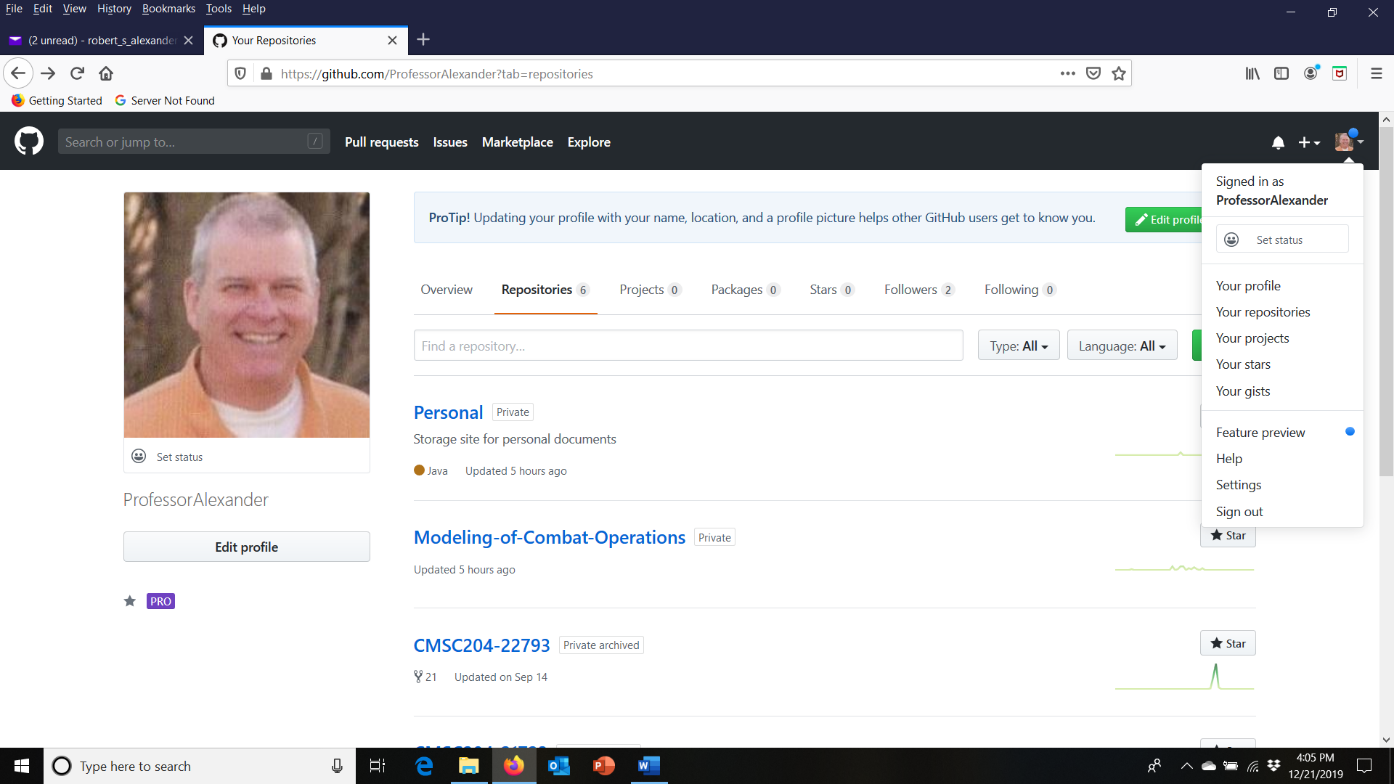
We will use GitHub to store each programming assignment. In the process, we will learn how to use GitHub, a collaboration tool used by many projects in industry and government. This lab only creates a repository, which will be used in the future to hold programming projects.

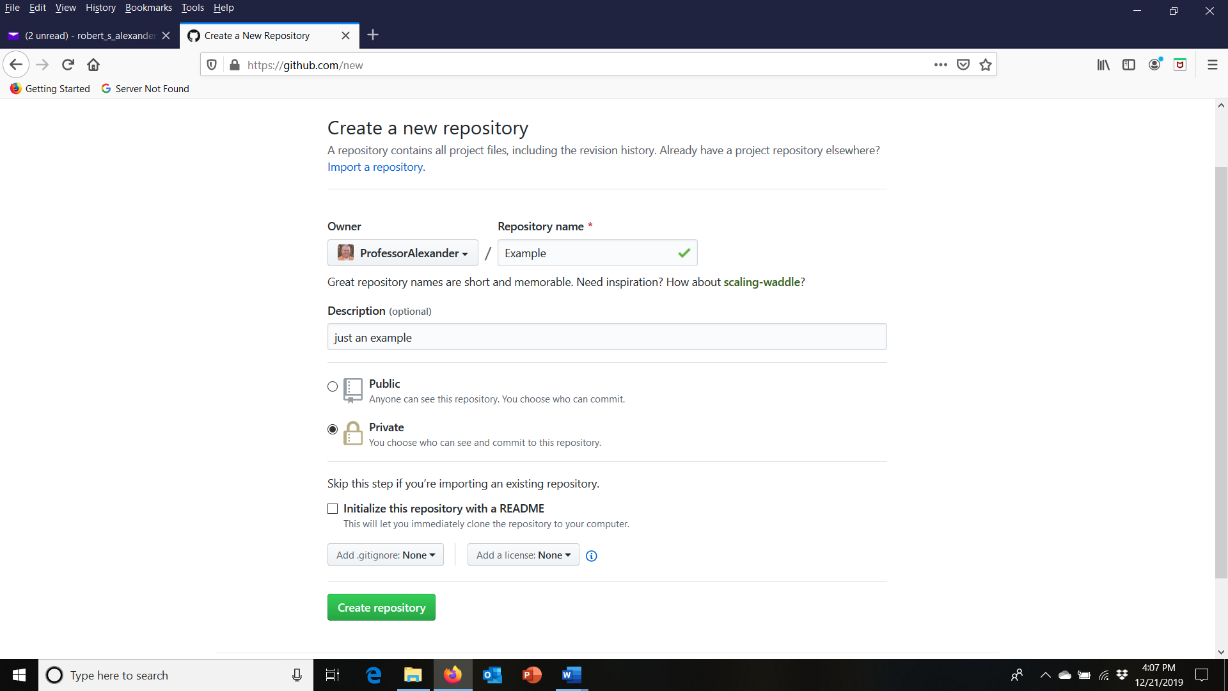
**Task #1 – Create a GitHub Account**

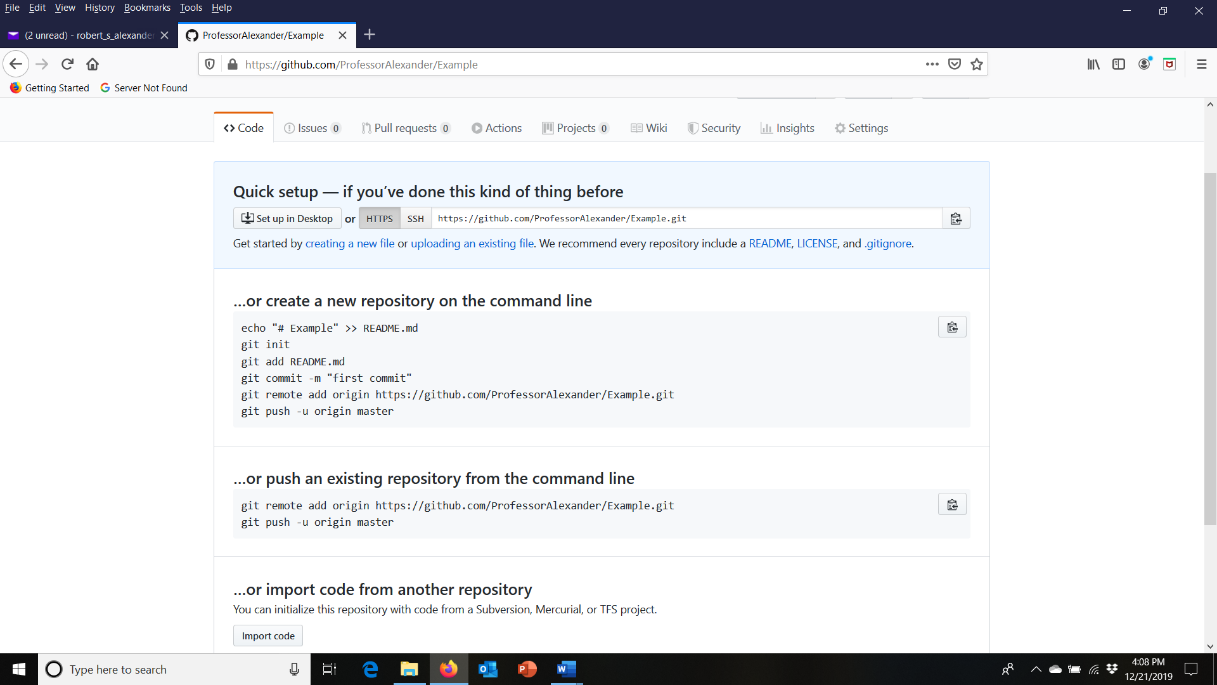
To begin, create an account in GitHub at <https://github.com/>. The general account in GitHub is free, although it only allows you to create public repositories. You can sign up for a free student account if you want to create your own private repositories (not required for this assignment). Check your email and confirm that you signed up for GitHub (be sure you are logged in to GitHub when you check your email, and check your trash and spam folders).

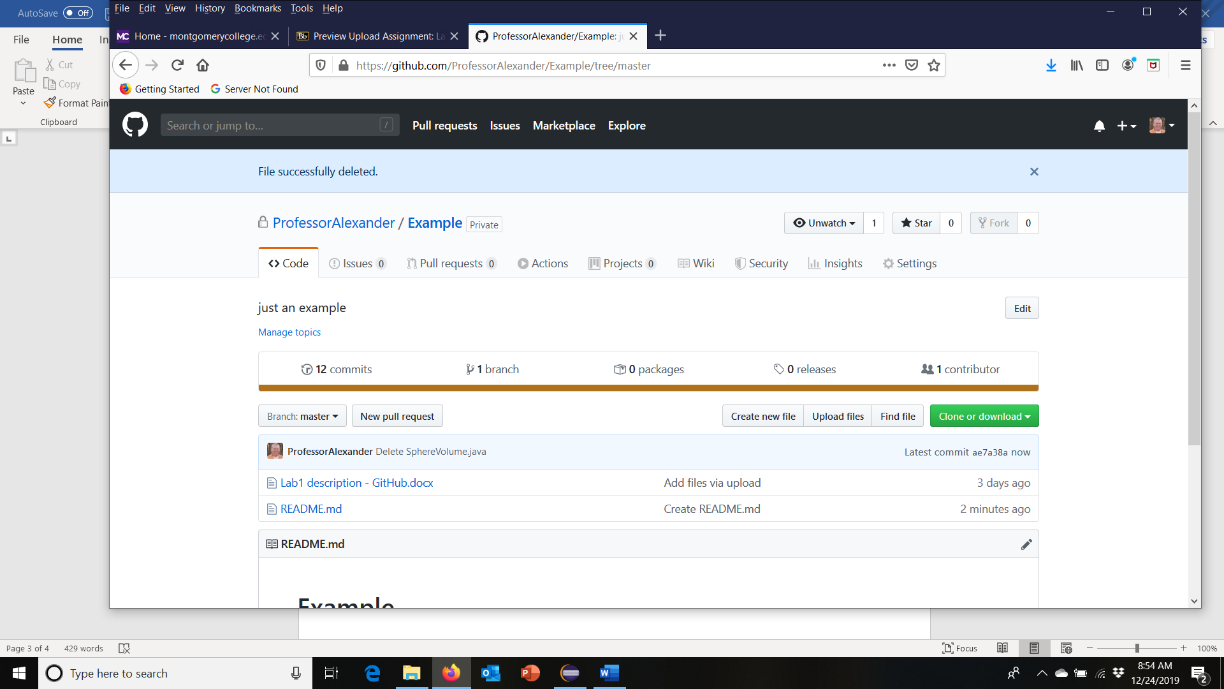
**Task #2 – Create a Repository**

When you sign into GitHub, you will see an icon in the upper right corner of the screen. Select the “Your Repositories” link and then select “New”. Name your “repo”. You may want to upload your picture via the profile link (not required). Create a readme file.









**Task #3 – Take a screen shot of your “Repo”**

Then take a screen shot of your new repository and submit on Blackboard.

**Task #4 – Upload Project4 files**

When you first create the repo, upload the Projects’ 4 files.

**Deliverables**

Your deliverables will be a screen shot of your repository for Project 4 Part1 with all files you uploaded for Project4 Part2.