**DIADOZ  
Version 1.0**

**Local Machine Github, Set Up and Installation Guide**

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# Overview

This guide will take you step by step, in order to be able to start developing within the DIADOZ environment. The following will be important steps on both setting up Github, as well as making sure you are updated on the most frequent code available every day. With this guide you will be able to:

* Set up Github account
* Download Git and learn the basics
* Clone the DIADOZ repository
* Set up MongoDB Database
* Set up NodeJS & NPM
* Pull the most updated code everyday
* Push your changes

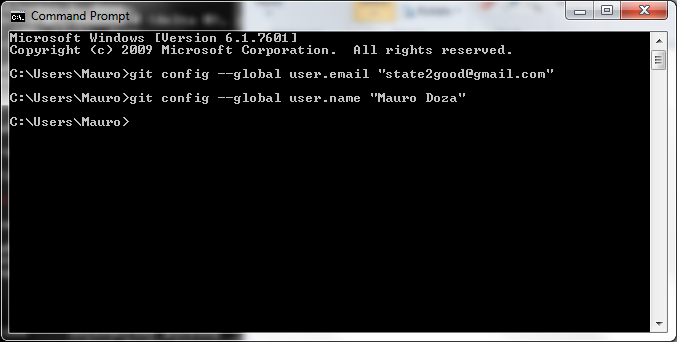
This guide assumes that you have already chosen a preferred text editor. We recommend using Sublime Text 3 or Webstorm. This guide goes off of Sublime Text 3 and it is on a Windows 7 machine.

# Github Account Creation

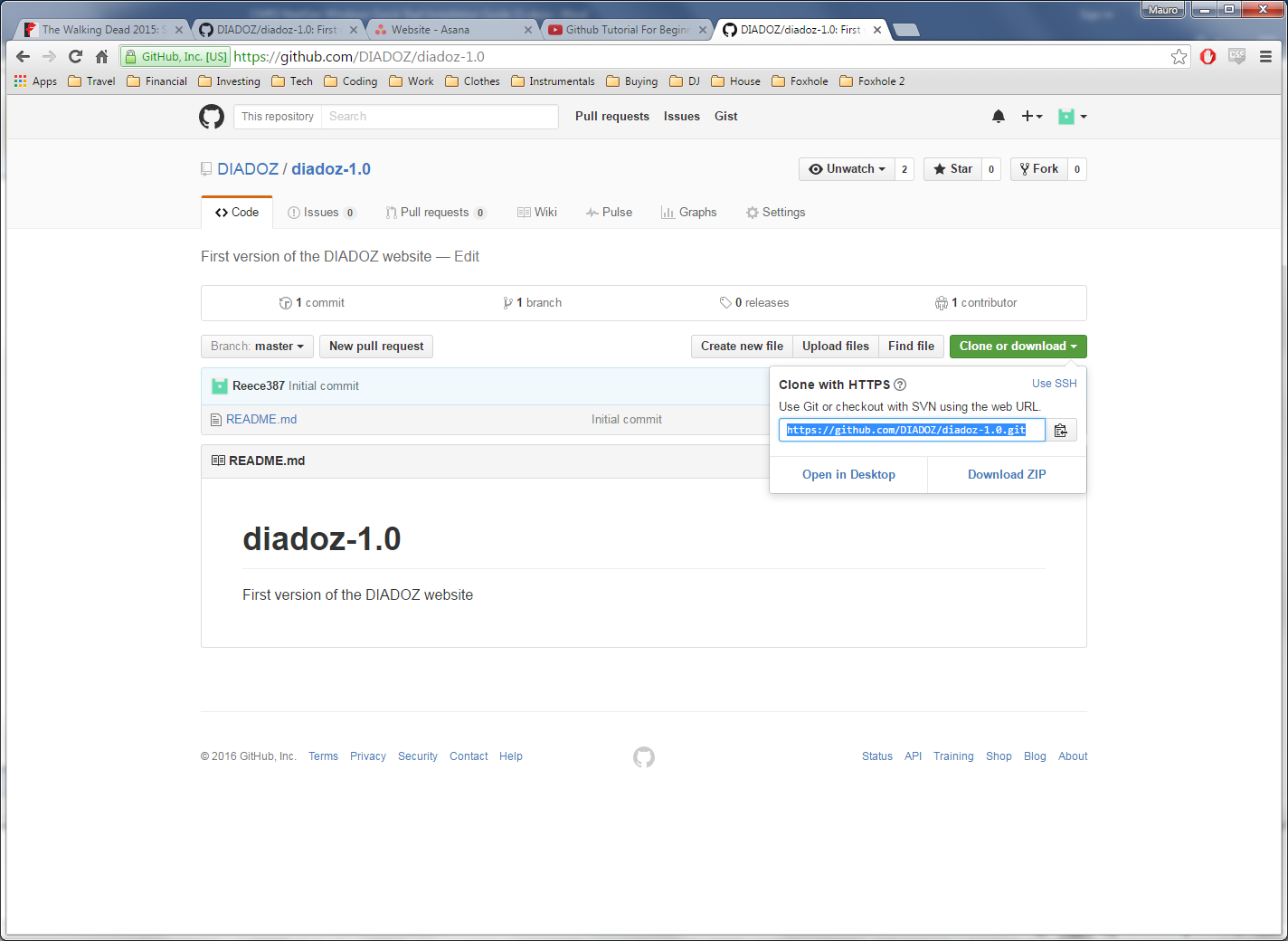
* Go to <https://github.com/>
  + Enter in a username, your work email, and password.
  + Go through the setup picking the default choices.
* At this point you will have to head to your email and verify your account.
* Send Mauro or Renzo an email stating that you have created your account and need access to the DIADOZ git team. *Not necessary in order to continue.*
  + Mauro – [state2good@gmail.com](mailto:state2good@gmail.com)
  + Renzo - <ENTER renzo’s email here>
* At this point you can customize your git account, not necessary because we will be mostly working with commands while on this and future projects.

# Dowloading And Setting Up Git

* Go to either and download your respective version.
  + Windows: <https://git-scm.com/download/win>
  + OSX: <https://git-scm.com/download/mac>
* Install with all the defaults.
* To add your Github profile type the following in the Command Prompt
  + git config --global user.email “<Your Github Email>”
  + git config --global user.name “<Your Name>”

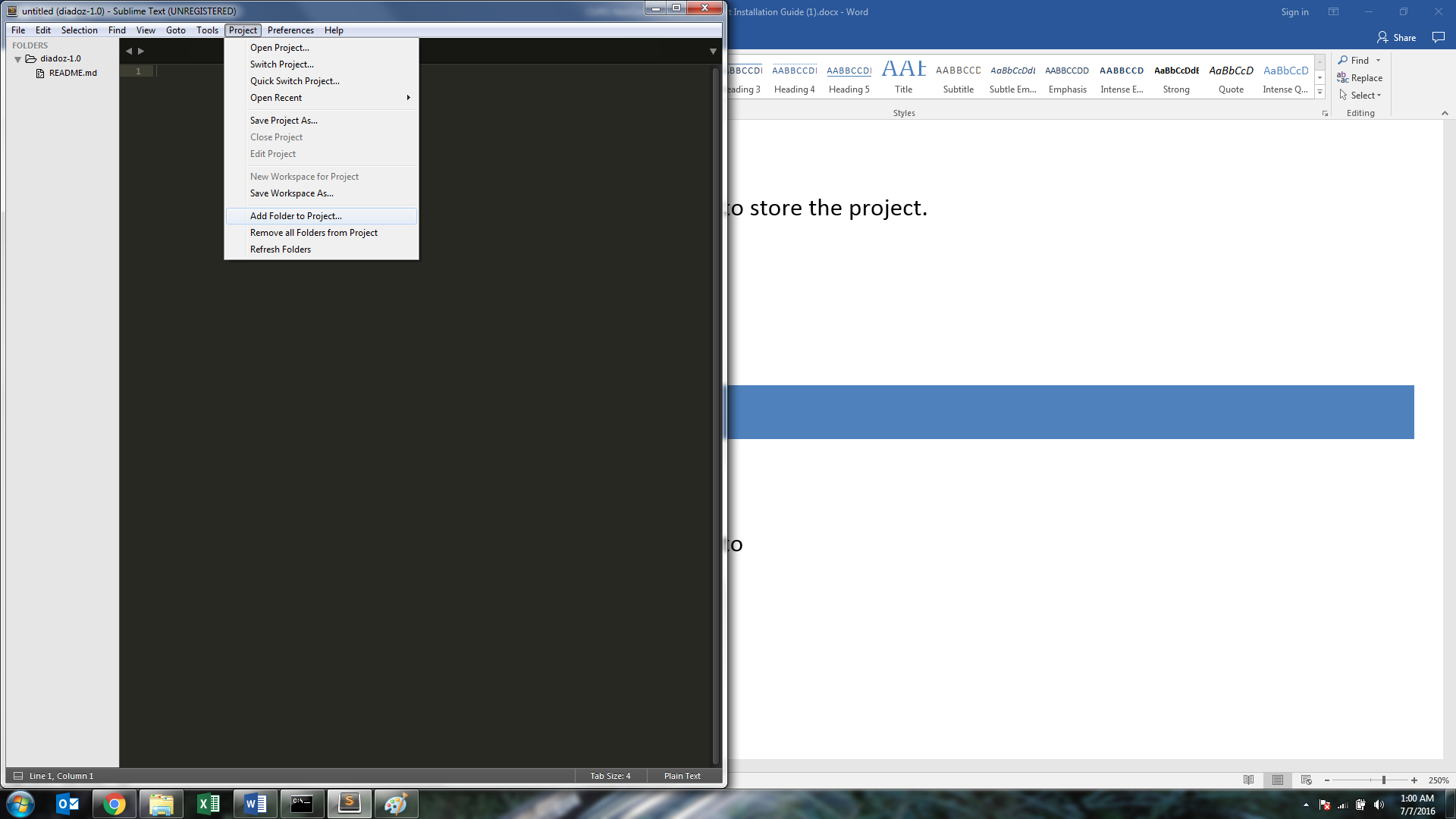


# Cloning DIADOZ Repository To Local Machine

* Go to <https://github.com/DIADOZ/diadoz-1.0>
* Find the “Clone or download” drop down and copy the git URL.
* Open up your command prompt.
* “cd” to the folder where you would like to store the project.
* Type the following
  + git clone <Project URL>

# Add Project To Text Editor

* Open up Sublime Text 3
* Go to Project > Add Folder to Project…



* Add the folder you cloned the project into

# MongoDB

* Install MongoDB Community Server
  + <https://www.mongodb.com/download-center>?
* Start MongoDB
* <mongod.exe location>
* MongoDB requires a data directory to store data. Defaults to \data\db on the drive from which MongoDB starts.
* Optional: To specify an alternate path use
  + <mongod.exe location> --dbpath <data directory path>

# NodeJS & NPM

* Install NodeJS
  + <https://nodejs.org/en/download/>
* Go to root folder of project and run the following command to install all dependencies
  + npm install

# Start Project

* Run application from root folder of project
  + node app

# Appendix A

## GIT

### Pulling Code

* Every day at the start your first action should be to pull any code down in case of any changes
* To pull code type
  + cd <Path To Project Folder>
  + git pull

### Pushing Code

* To push up any changes type the following
  + git add
    - <File Name>
    - -a (Which would send all files)
    - . (Which would send all of directory)
  + git commit -m “<Your message explaining your changes>”
  + git push

### Check Git Status

* To check if you have the latest files type
  + git status

## NPM

### Save to dependencies or devDependencies in package.json

* npm install <package\_name> --save
* npm install <package\_name> --save-dev

### Check outdated packages

* npm outdated

### Update packages

* npm update

### Remove package

* npm uninstall <package>
* npm uninstall --save <package>
* npm uninstall --save-dev <package>

## MongoDB

### Start MongoDB Server

* <folder/to/mongodb.exe>

### Stop MongoDB Server

* Ctrl+C