

One-time Tool Setup

1 One-time setup

This document consists of tool and account setup that you will use for all assignments in this course.

1.1 Eclipse

I strongly recommend using Eclipse as your IDE for programming in this course. The skeleton code that is provided is an Eclipse project, it offers quick git integration, and I am more familiar with it than other IDEs should you need help. Necessary libraries are supplied in the `lib` directory if your IDE needs them.

You can download the most current version of “Eclipse IDE for Java Developers” (2022-09 R) at <https://www.eclipse.org/downloads/packages/>.

Mac users may need to install additional tools for git or Eclipse to work. The OS will prompt you if this is the case.

1.2 Github

For this course, you will be accessing and submitting code with Github, from the **comp2000-fk-f22** classroom. Whether or not you already have a Github account, you must use one for this class with the username “<WITname>atwit”. If your name/email is John Doe `doej12@wit.edu`, your Github username should be `doej12atwit`. If you don’t yet have an account with this name, sign up for a new account at <https://github.com>. If you already have an account, you can change the username to match this one or create a new account for this class. **You will get no credit for code that is submitted under another Github username.** Once you have signed up, confirm your account with the email that Github sends you.

1.3 Github username

Double-check your Github username. If it is not your WIT username followed by “atwit” (all lower case), change it to that now at <https://github.com/settings/admin>. Without the proper username you will get **no credit** for your labs and assignments.

1.4 Github password

Github has increased their security so that your password will not work through the Eclipse interface. Instead of using your password in Eclipse, you have to use a personal access token to authenticate. You will use this same token every time you want Eclipse to import your project.

1. Visit <https://github.com/settings/tokens>
2. Click the ‘Generate a new token’ button
3. Write something in the ‘Note’ section. It’s irrelevant but can’t be empty
4. Change ‘Expiration’ to ‘No expiration’
5. Click the ‘repo’ box. You can leave the rest of the boxes unchecked
6. Click ‘Generate token’
7. You should see a long token string that has just been generated. Save this somewhere on your computer – once you leave the page, Github will never reveal it again. It replaces your github password for Eclipse authentication. **Don’t share it with anyone.**
8. Whenever Eclipse asks for Github authentication, use this text string instead of your password