## GitHub.com

Create a GitHub.com account. Easy, free and you just need an email address where you want notifications to be sent.

## GitHub Desktop Application

Download the GitHub desktop application for MAC or Windows (easy) as an alternative to Eclipse.

<http://guides.github.com/overviews/desktop/>   
Mac: <http://mac.github.com/>

Windows: <http://windows.github.com/>

You can easily view, sync, clone, push and commit your repositories with this app. Read the desktop guide.

## Text Editors

You will need a text editor to create or modify code if using the Desktop Application. Try Eclipse, Notepad++, Sublime or your choice of editors.

## Eclipse

Download Eclipse for MAC (easy) or Windows (more complicated).

Mac: <http://www.eclipse.org/downloads/>

Windows: <http://www.eclipse.org/downloads/?osType=win32&release=undefined>

Open Eclipse. Eclipse may ask you to create a new workspace. This is a folder on your computer where you will keep your GitHub work. Call it *workspace*. Configure the window to show Git Views. Window->Show View->Other->Git. Highlight all/Ok.

Drag Git Repository to the bottom left part of the window so it displays below the Project (or Package) Explorer area.

## Install EGit

You may have to install the EGit plug-in.

To install EGit, fire up Eclipse, go to Help -> Install New Software, then click the Available Software Sites link. Search for "egit," and tick the box to add the EGit download site. On the Available Software screen, type egit in the box, then click Eclipse Git Team Provider and click Next to install it.

## Fork a Repository from GitHub.com using Eclipse

Open your GitHub.com account and search for the repository you want to fork (example, *octocat/Spoon-Knife*).

Click the Fork button. This should take you to *youraccount/Spoon-Knife*.

Copy the HTTPS clone URL.

## Clone Your Fork

In Eclipse, choose Clone a Git Repository in the Git Repositories view.

In the Clone Git Repository dialog box in Eclipse, paste the URL you copied into the URI field. Note that the Host and Repository fields self populate.

Enter your GitHub user name and password. Check the box next to Store in Secure Store. Click Next.

In the Branch Selection, make sure both boxes have check marks. Click Next.

Under Local Destination, browse to the GitHub *workspace* folder on your local drive to switch to the appropriate directory. Click the *workspace* folder to select it. Click Save. Click Finish. Wait for the operation to complete. Click No in the Secure Storage dialog box to decline password recovery.

## Import a Project in Eclipse

Right click in the Project or Package Explorer window. Choose Import->Git->Projects from Git. Click Next-> Existing local repository->Next.

Select the repository you want, then click Next. Choose Import as general project.

## Commit Changes to your GitHub.com Repository

Click on the Git Staging tab in Eclipse. A list of new files should appear in the Unstaged Changes area. Highlight the files you wish to commit and drag them to the Staged Changes area. Add a Commit Message. Click Commit and Push to send the files to the associated GitHub.com repository.

## Pull Request from GitHub.com Repository to Original Repository In GitHub.com, open the repository you want to submit a Pull request from. Select Pull Requests->New pull request.

## Pull Changes from Original Repository to your GitHub.com Repository

In GitHub Repository view, expand Remotes to see what has been created (Origin). Right click Remotes->New Remote->Configure Fetch. Type in any name except origin. Click Change. Change the URI to the original repository. Click Finish->Save and Fetch->OK. Your new Remote will appear in the directory.

## Refresh your Local Repository from the GitHub.com Repository

Right click the repository in the Git Repositories View and choose Team->Push to Upstream. Right click the repository in Package Explorer and choose Refresh.