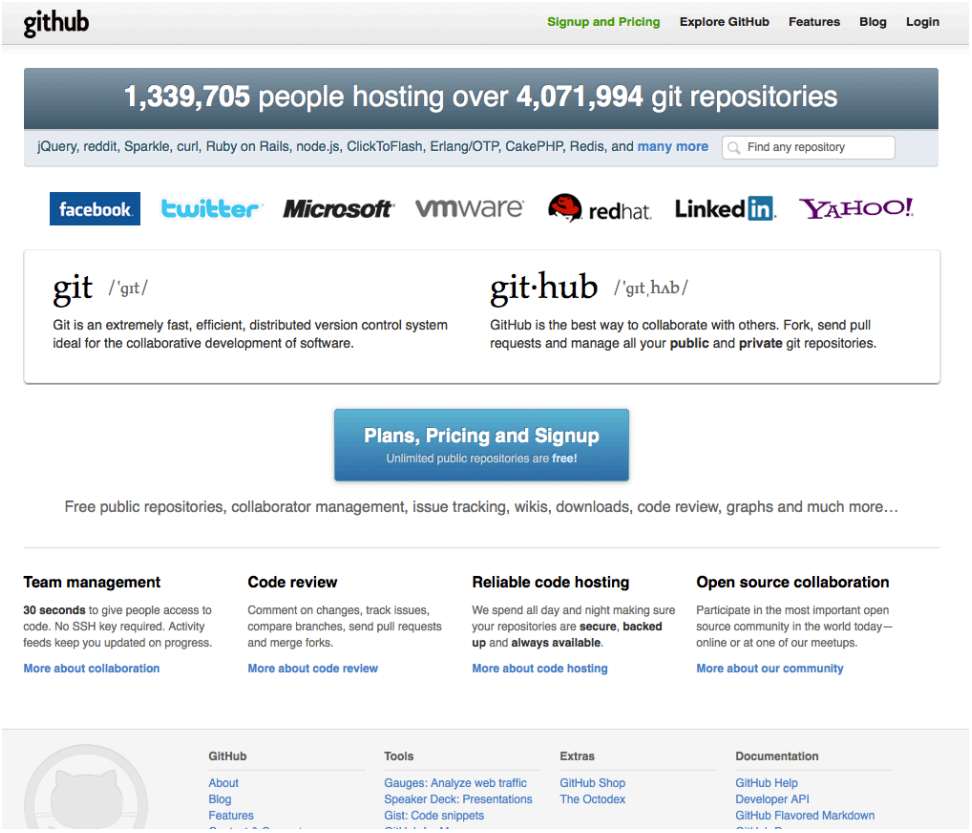
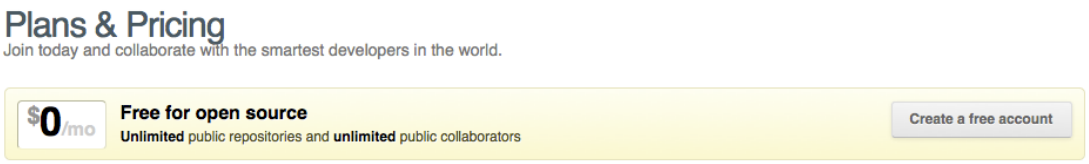
Version Control and Sharing with GitHub

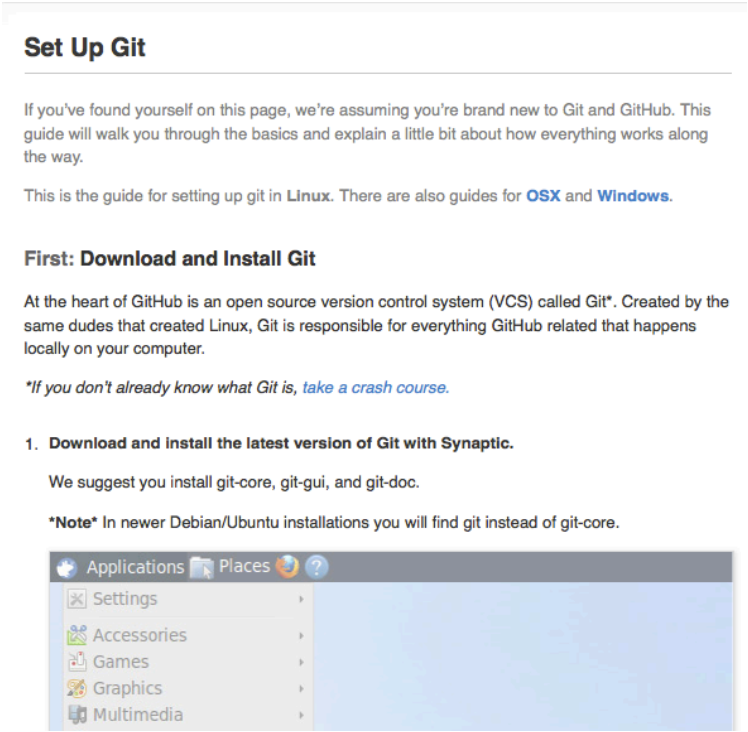
Version control is a system that records changes files over time so that you can recall specific versions later. Git records snapshots of data. Every time you commit, or save the state of your project in Git, it takes a snapshot of what all your files look like at that moment and stores a reference to that snapshot. To be efficient, if files have not changed, Git doesn't store the file again.

1. Go to https://github.com/ and sign up for a free account.





2. Setup Git following the directions for you OS of choice http://help.github.com/set-up-git-redirect/ Once you have Git installed on your machine, you may need to customize your environment - http://progit.org/book/ch1-5.html



Set Up Git

If you've found yourself on this page, we're assuming you're brand new to Git and GitHub. This guide will walk you through the basics and explain a little bit about how everything works along the way.

This is the guide for setting up git in **Linux**. There are also guides for **OSX** and **Windows**.

First: Download and Install Git

At the heart of GitHub is an open source version control system (VCS) called Git*. Created by the same dudes that created Linux, Git is responsible for everything GitHub related that happens locally on your computer.

**If you don't already know what Git is, take a crash course.*

1. **Download and install the latest version of Git with Synaptic.**

   We suggest you install git-core, git-gui, and git-doc.

   Note In newer Debian/Ubuntu installations you will find git instead of git-core.

3. Go to the GitHub repositories and follow a popular project https://github.com/popular/watched that you could use for your ARIA project.

4. We are going to do some work on the GeoLocation API this week. Create a fork for the https://github.com/cufa/ARIA-Git-Project project so that you can use the `geo_mapPos_git.html`. Push an empty .js file into your project. In the next tutorial, you will need to develop your own JavaScript/jQuery to that uses the Geolocation API and Google Maps API - the output should be your own ARIA-Git-Project fork, which includes `a.js` to solve this.

Further References:

Pro Git Book http://progit.org/book/

GitHub Help http://help.github.com/

Interesting GitHub Repositories https://github.com/repositories

GitReference http://gitref.org/