SETUP DEV ENVIRONMENT

WebLabUX

Pick Your Code Editor

- Select a code editor and complete it's setup
- Some options:
  - http://www.aptana.com/
  - http://www.sublimetext.com/2

Pick your Web Browser

- We recommend using Chrome or Firefox
- With Firefox download firebug
  - https://getfirebug.com/downloads

SETTING UP GITHUB

Let’s get going…

Github

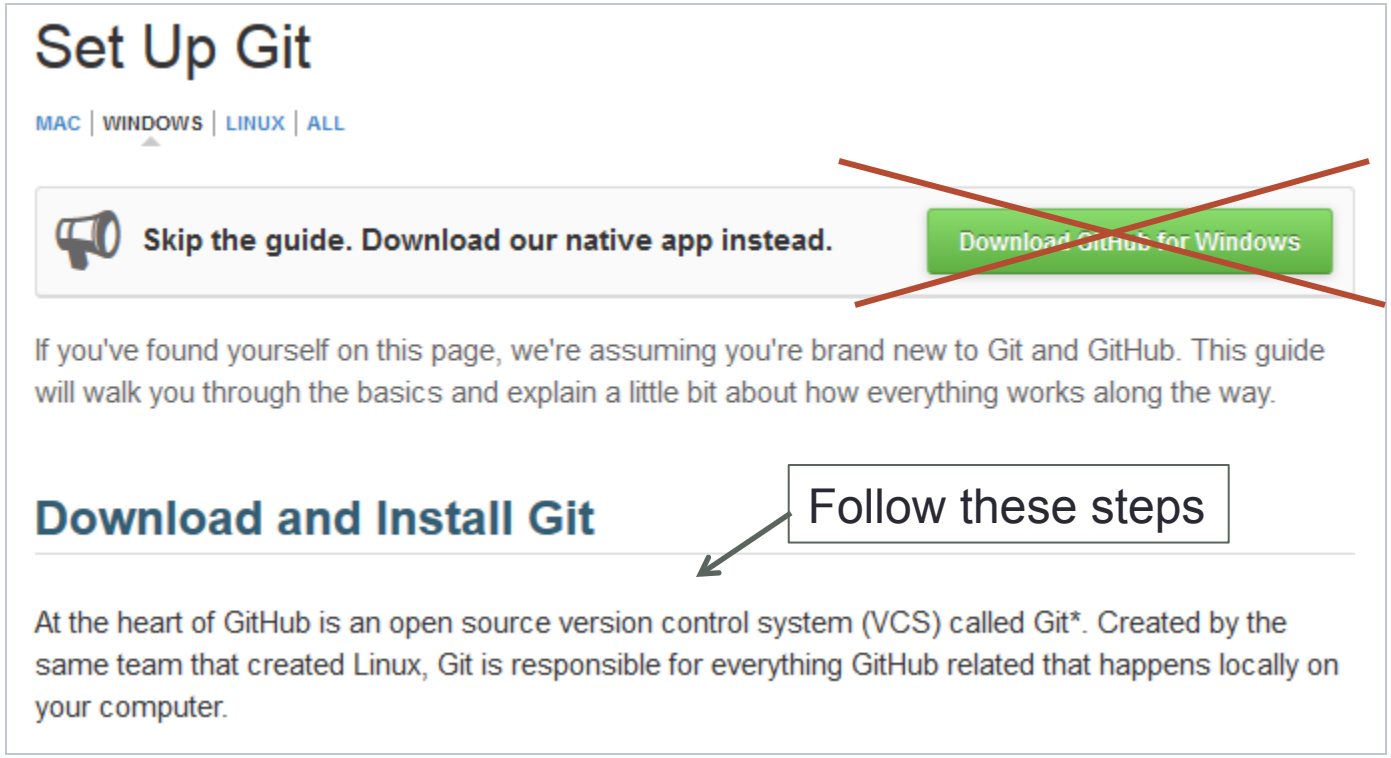
Git is the revision control and source code management system we will be using while developing code. It is important for you to make weekly check-ins on GitHub so you can get credit for your work, so code can be reviewed, and to guard against your work being accidently lost.

Create a GitHub Account

- Signup for an account here:
  - https://github.com/signup/free

Setup GitHub on your Machine

- Navigate to this link:
  - https://help.github.com/articles/set-up-git
- Do not install the Native Windows App



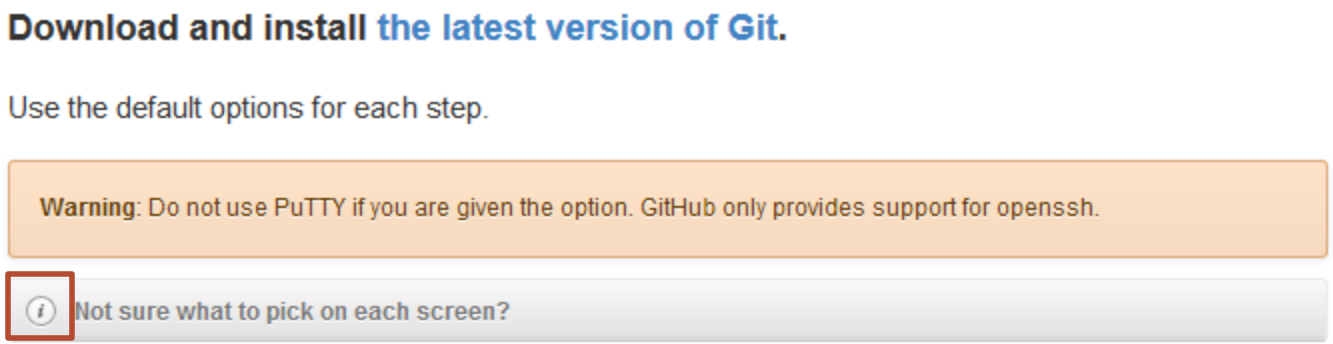
Download and Install Git

- Click the link to install the latest version

Pick your OS and Download

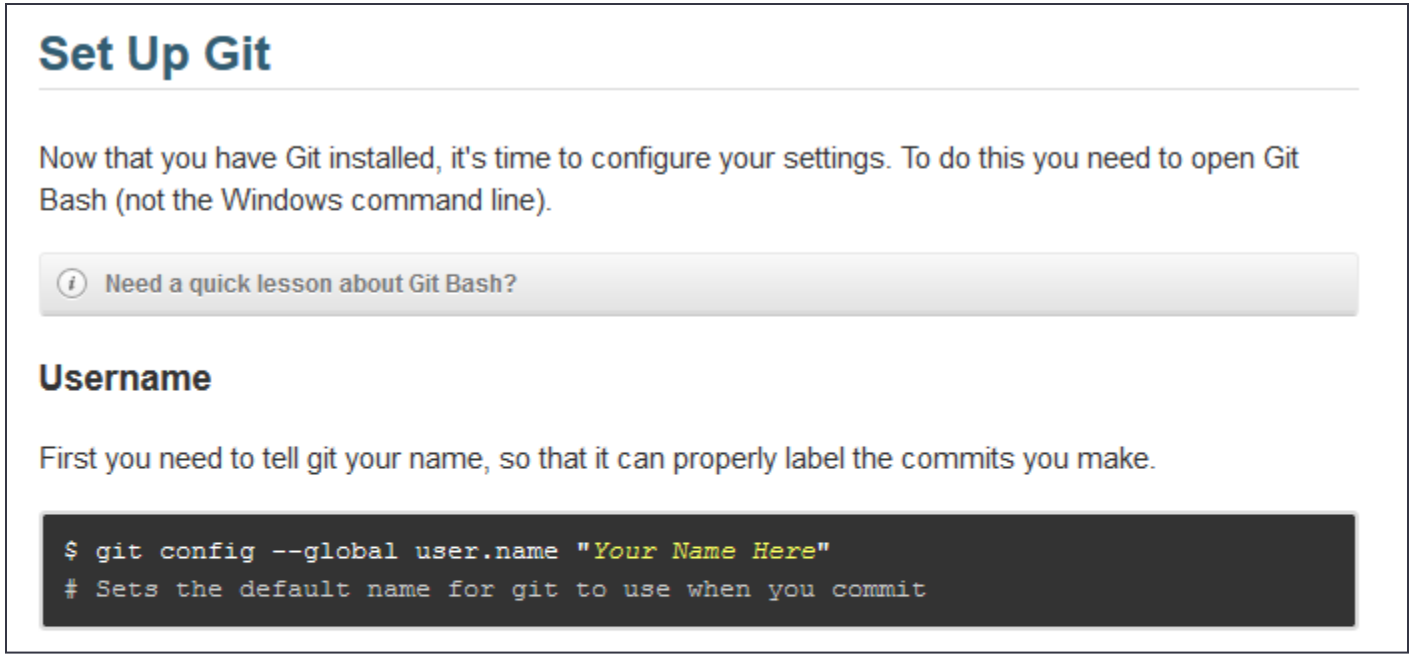
Default Installation Options

- If you are unsure of what options to pick during the installation process click the *i* icon for more information.



Setup Git

- Now go through and follow the setup instructions



Set Up Git

Now that you have Git installed, it's time to configure your settings. To do this you need to open Git Bash (not the Windows command line).

Need a quick lesson about Git Bash?

Username

First you need to tell git your name, so that it can properly label the commits you make.

```
$ git config --global user.name "Your Name Here"
# Sets the default name for git to use when you commit
```

LEARNING TO USE GIT

gitty-up

Create a Code Repository

- Follow these directions to create a repo
- https://help.github.com/articles/create-a-repo

- Follow the instructions to create your repository and then commit and push your README.

Fork a Repository

- Follow the instructions here: https://help.github.com/articles/fork-a-repo

Hello World Exercise

- Fork the following repository:
  - https://github.com/weblabux/HelloWorlds
- Clone this repository
- Make a new branch off of your master branch. Call it "work" and make your changes in the "work" branch...
  - The forking tutorial has directions on how to do this: https://help.github.com/articles/fork-a-repo

Changing the Code

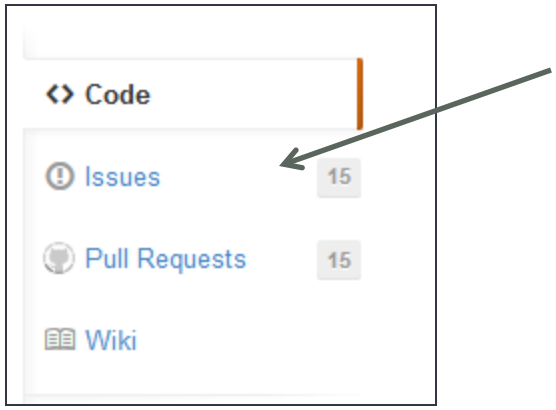
- Go to your local repository where the code has been saved
- Add a file called: yourname.js
  - In this file add a new function named yourname() that returns the text ‘Your name says hello’
  - You can refer to the other js files in the directory for an example
- Make changes to hello.html so your function gets called just like elisabeth.js, you need to:
  - Include your js file at the top of hello.html
  - Call updateText with your function later in the file, similar to hw this was done with elisabeth()

Commit your changes

- You will want to make commits of your changes along the way
  - When you commit you can use the following command to commit all the added and modified files:
    - git commit –am ‘your message’
- Then when you are done collapse all your changes and add them to the main branch using:
  - git merge --squash work
  - git commit -m ‘added yourname'
- Now commit your changes
- Then push it up to the master

Pull Request

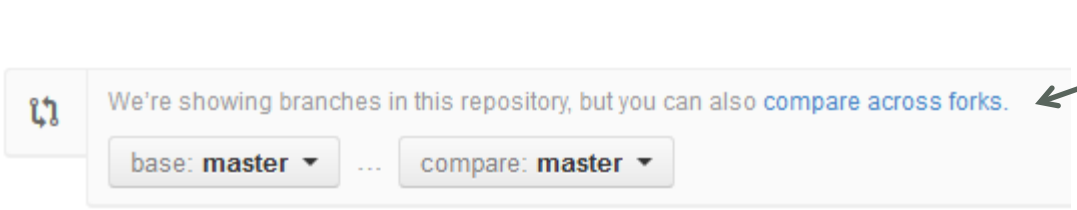
- https://help.github.com/articles/using-pull-requests
- Go back to the main HelloWorlds project
  - https://github.com/weblabux/HelloWorlds
- Request a Pull Request so the members of weblabUX can see your work and merge it in:



On the next screen click:

First Compare Repositories

- Choose that you want to compare the master to your fork

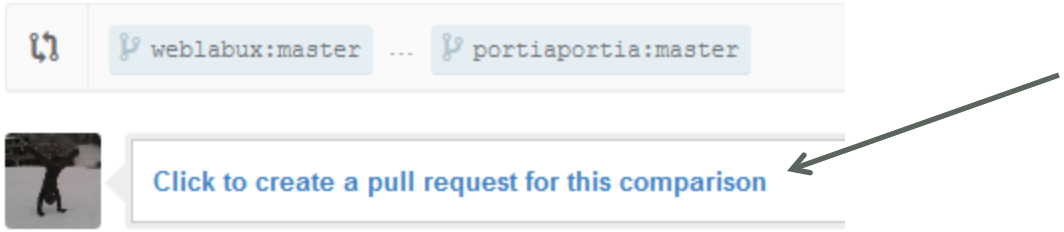


- Select your fork as the second option, they will highlight the differences:

```
5   5       <script src="robert.js"></script>
    6   +   <script src="portia.js"></script>
6   7     <title>Hello Team</title>
7   8    </head>
8   9    <body>
... ... @@ -31,6 +32,7 @@
31  32   updateText(elisabeth(), textContent);
32  33   updateText(bob(), textContent);
33  34   updateText(robert(), textContent);
    35  +updateText(portia(), textContent);
```

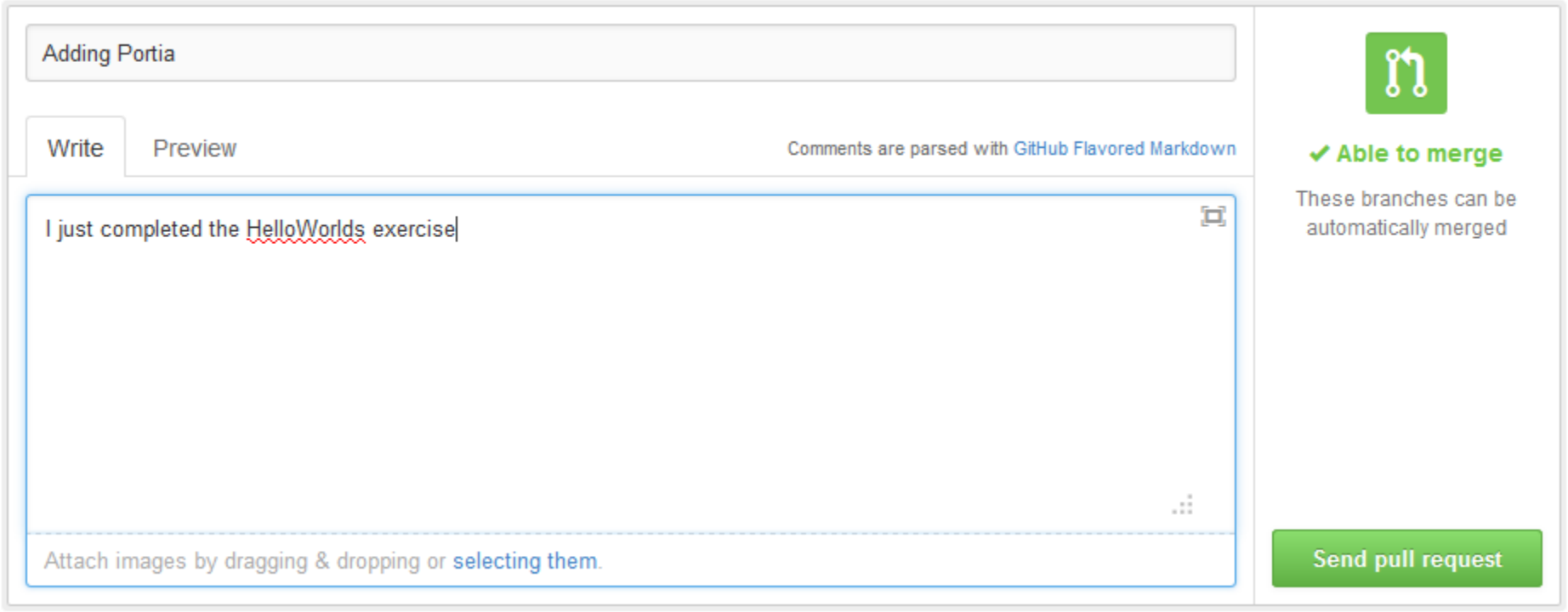
Create your Pull Request

- Click to create your pull request



Create your Pull Request

- Add your title and description, then Send your Pull Request



Basic get Commands

- Here's a list of basic git commands:
  - https://confluence.atlassian.com/display/STASH/Basic+Git+commands
- Here's a list of basic command line commands:
  - http://www.7tutorials.com/command-prompt-how-use-basic-commands

SETTING UP LOCAL SERVER

Using XAMPP

Installing XAMPP

- You will find XAMPP here:
  - http://www.apachefriends.org/en/xampp.html
- Follow the following instructions to setup XAMPP and create Drupal
  - https://drupal.org/node/307956
- Notes:
  - If you have trouble starting apache:
    - In XAMPP click on Explorer, click:
      - XAMPP stop, then
      - XAMPP start
  - Your default username password is:
    - username: root
    - password: blank

You now have Drupal

- You should now have a drupal website setup here:
  - localhost/drupal

GET WEBLABUX SOURCE CODE

Now let’s get the code ☺

Get the Code – Web lab UX all

- Fork this repository:
  - https://github.com/weblabux/wlux_all
- Clone this repo, and store the code in your drupal directory.
- Use the cd (change directory command) to get you into this directory: /htdocs/[YourDrupalDir]/sites/all
- Now clone:
  - git clone [address]

Get the Code – Web lab UX Temp Book

- Fork this repository:
  - https://github.com/weblabux/wlux_all
- Clone this repo, and store the code in your drupal directory.
- Use the cd (change directory command) to get you into this directory: /htdocs/[YourDrupalDir]/modules/book
- Now clone:
  - git clone [address]

Get the Code – Backend code

- Fork these repositories:
  - https://github.com/rbwatson/wlux_test_server
  - https://github.com/rbwatson/wlux_test_site

- Clone this repo, and store the code in a new directory called weblabux inside xampp/htdocs.
- Use the cd (change directory command) to get you into this directory: /htdocs/
- Now clone:
  - git clone [address]

Now visit the site:

- http://localhost/weblabux/wlux_test_site/