**DIRECTIONS FOR FLASK**

Directions here where done on an Ubuntu box:

**$ uname -a**

Linux hathor 3.5.0-22-generic #34-Ubuntu SMP Tue Jan 8 21:47:00 UTC 2013 x86\_64 GNU/Linux

Note: Each step is in bold print, with sample output underneath.

**INSTALLATION------------------------------------------------------------------------------------------------------**

**1. Create new account with csadmin**

**2. Log in as your account**

**In terminal...**

**3. $ sudo apt-get install git**

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:.......

**Type 'Y' when prompted**

Do you want to continue [Y/n]? Y

…...Unpacking git (from .../git\_1%3a1.7.10.4-1ubuntu1\_amd64.deb) ...

Processing triggers for man-db ...

Setting up liberror-perl (0.17-1) ...

Setting up git-man (1:1.7.10.4-1ubuntu1) ...

Setting up git (1:1.7.10.4-1ubuntu1) ...

Ignore this whole section. LAMP is not required for localhost (a.k.a. working on a computer, not a server) development.

**~~4. $ sudo apt-get install tasksel~~**

~~Reading package lists... Done~~

~~Building dependency tree~~

~~Reading state information... Done~~

~~The following extra packages will be installed:......~~

**~~Type 'Y' when prompted~~**

~~Do you want to continue [Y/n]? Y~~

~~…...Unpacking tasksel (from .../tasksel\_2.88ubuntu12\_all.deb) ...~~

~~Processing triggers for man-db ...~~

~~Setting up tasksel-data (2.88ubuntu12) ...~~

~~Setting up tasksel (2.88ubuntu12) ...~~

**~~5. $ sudo tasksel~~**

**~~- down arrow to LAMP and space bar to enter a \*.~~**

~~[\*] LAMP~~

**~~- Enter.~~**

**~~- Hit Enter when prompted to set a password, until LAMP package is fully installed.~~**

**~~6. $ sudo a2enmod userdir~~**

~~Enabling module userdir.~~

~~To activate the new configuration, you need to run:~~

~~service apache2 restart~~

**~~7. $ sudo service apache2 restart~~**

~~\* Restarting web server apache2~~

~~apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName~~

~~... waiting apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName~~

**8. $ sudo apt-get install python-pip**

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:...

**Type 'Y' when prompted**

Do you want to continue [Y/n]? Y

….Unpacking python-pip (from .../python-pip\_1.1-3\_all.deb) ...

Processing triggers for man-db ...

Setting up python-setuptools (0.6.28-1ubuntu2) ...

Setting up python-pip (1.1-3) ...

**9. $ sudo pip install flask**

Downloading/unpacking flask

Downloading Flask-0.9.tar.gz (481Kb): 481Kb downloaded

Running setup.py egg\_info for package flask....

…..Successfully installed flask Werkzeug Jinja2

Cleaning up...

**10. $ sudo apt-get install build-essential python-dev python-numpy python-setuptools python-scipy libatlas-dev**

Reading package lists... Done

Building dependency tree

Reading state information... Done

build-essential is already the newest version....

**Type 'Y' when prompted**

Do you want to continue [Y/n]? Y

….Selecting previously unselected package libatlas-dev.

(Reading database ... 213907 files and directories currently installed.)

Unpacking libatlas-dev (from .../libatlas-dev\_3.8.4-8ubuntu1\_all.deb) ...

Setting up libatlas-dev (3.8.4-8ubuntu1) ...

**11. $ sudo apt-get install python-matplotlib**

Reading package lists... Done

Building dependency tree

Reading state information... Done

**12. $ git clone https://github.com/richardneal/Lexos.git**

**URL taken from** [**https://github.com/richardneal/Lexos**](https://github.com/richardneal/Lexos)

**(url is under HTTP tab)**

Cloning into 'Lexos'...

remote: Counting objects: 202, done.

remote: Compressing objects: 100% (92/92), done.

remote: Total 202 (delta 125), reused 182 (delta 105)

Receiving objects: 100% (202/202), 66.96 KiB, done.

Resolving deltas: 100% (125/125), done.

**RUNNING----------------------------------------------------------------------------------------------------**

**In terminal...**

**1. While in the new Lexos directory, type the command: $ python lexos.py**

\* Running on http://127.0.0.1:5000/

\* Restarting with reloader

**In web browser...**

**2. Type in : localhost:5000**

**UPDATING: Pulling -------------------------------------------------------------------------------------------------**

**In terminal...**

**Option 1:**

**1. While in the Lexos directory, type the command: $ git fetch**

Note: This command will access the repository from github and fetch the files with the latest updates, but will not merge them with your current files.

remote: Counting objects: 119, done.

remote: Compressing objects: 100% (62/62), done.

remote: Total 97 (delta 70), reused 61 (delta 35)

Unpacking objects: 100% (97/97), done.

From https://github.com/richardneal/Hyperflask

59fc77e..187b9e6 ui -> origin/ui

**2. $ git reset --hard**

Note: This command will take the updated files from the previous fetch command and set your files to the latest version. If this doesn't seem to have updated, proceed with the git pull command.

HEAD is now at db81bf9 Fixed Regression

**Option 2:**

**1. While in the Lexos directory, type the command: $ git pull**

Note: This command will take the most recent commit and merge them in with the current files you are working with.

remote: Counting objects: 18, done.

remote: Compressing objects: 100% (4/4), done.

remote: Total 10 (delta 6), reused 10 (delta 6)

Unpacking objects: 100% (10/10), done.

From <https://github.com/richardneal/Lexos>....

**UPDATING: Pushing------------------------------------------------------------------------------------------------**

**1. While in the Lexos directory, type the command: $ git status**

Note: This command will give your the current branch you are on, along with files that you have modified since the last pull.

On branch ui

# Changes not staged for commit:

# (use "git add <file>..." to update what will be committed)

# (use "git checkout -- <file>..." to discard changes in working directory)

#

# modified: lexos.py

# modified: templates/analysis.html

#

# Untracked files:

# (use "git add <file>..." to include in what will be committed)

#

# analysis.py~

# hyperflask.py~

# lexos.py~

# scrubber.py~

# start.py~

# static/filedrag.js~

# static/style.css~

# templates/analysis.html~

# templates/scrub.html~

no changes added to commit (use "git add" and/or "git commit -a")

**$ git checkout desired\_branch**

Note: This command will change your current branch. Where the example reads desired\_branch, type in the branch in which you want to work.

Switched to branch 'desired\_branch'

**2. $ git commit -am “Type comment here”**

Note: This command will commit your updates to the current branch. In quotes (where it the example reads “Type comment here”, state a summary of your updates (in quotes) so your commit can be accessed on the github repository if needed.

[ui 3f7cc2e] “Your entered comments here”

 Committer: Bryan Jensen <bryanjensen@horus.(none)>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

…

7 files changed, 547 insertions(+), 425 deletions(-)

 rewrite templates/analysis.html (82%)

 rewrite templates/cut.html (86%)

**3. $ git push**

Note: This command will push your latest commits to the github repository for other users to pull.

Username for 'https://github.com': username

Password for 'https://username@github.com':

Counting objects: 21, done.

Delta compression using up to 12 threads.

Compressing objects: 100% (11/11), done.

Writing objects: 100% (11/11), 3.62 KiB, done.

Total 11 (delta 9), reused 0 (delta 0)

**APPENDIX-------------------------------------------------------------------------------------------------------------**

(Not needed for flask, but installation is recommended)

**INSTALLING PHP**

**In terminal...**

**1. $ sudo gedit /etc/apache2/mods-available/php5.conf**

**In the window that appears, comment out the following lines (add a '#' on each line):**

# To re-enable PHP in user directories comment the following lines

# (from <IfModule ...> to </IfModule>.) Do NOT set it to On as it

# prevents .htaccess files from disabling it.

#<IfModule mod\_userdir.c>

# <Directory /home/\*/public\_html>

# php\_admin\_value engine Off

# </Directory>

#</IfModule>

**2. $ sudo service apache2 restart**

\* Restarting web server apache2

apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName

... waiting apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName

**INSTALLING R**

**In terminal...**

**1. $ sudo apt-get install r-base**

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:

r-base-html

**Type 'Y' when prompted**

Do you want to continue [Y/n]? Y

Selecting previously unselected package r-base-html.

Unpacking r-base-html (from .../r-base-html\_2.15.1-5ubuntu1\_all.deb) ...

Setting up r-base (2.15.1-5ubuntu1) ...

Setting up r-base-html (2.15.1-5ubuntu1) ...