

LineUp

Team Aphrodite

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*Development Setup
Instructions*

Obtaining Source Code

Our source code is hosted on github. It can be forked or downloaded manually here:

<https://github.com/eallison91/CSE-403-Spring2014>

Developers can also clone the repository with git in the terminal by navigating to the location you would like to store your local repository in and running:

```
git clone https://github.com/eallison91/CSE-403-Spring2014.git
```

Directory Structure Layout

The LineUp source code, contained in the 'app' directory, is separated into the Javascript and HTML code in the 'static' directory and the Python code in 'app' itself.

Build Instructions

Because Python is interpreted, there is no build step. You can use run.py in the 'lineup' directory to run the app locally.

Testing Instructions

Front End Testing

Angular tests are run using the Jasmine testing framework: <http://jasmine.github.io/>

You can run the tests manually by opening the file /test/angular_tests/SpecRunner.html in your web browser.

Back End Testing

You can run tests in the lineup/tests/flask_tests. This is where all our *.py test files will be. You can run any test files with the command run [testname].py. Eventually, we will have a script that will run all tests with the (regex) name *test*.py.

Automated Daily Build & Test

Our team uses a bash script that is included in the repo and is run nightly using the cron tool. The script in the repo is configured to email the current development group. If you would like to change the file so that it emails another email or list, change the following line of 'lineup/tests/auto_test.sh':

from:

```
ssmtp cse403group@uw.edu < test_output.txt
```

to:

```
ssmtp [desiredEmailAddress] < test_output.txt
```

Install ssmtp

ssmtp will be used to send email from the server detailing the results of the tests.

```
sudo apt-get install ssmtp
```

Configure ssmtp

Edit the ssmtp configuration file located at `/etc/ssmtp/ssmtp.conf` to include the email address you would like to send from and the server that you would like to send the mail through. These are example settings for a gmail account:

```
root=example@gmail.com
mailhub=smtp.gmail.com:465
rewriteDomain=gmail.com
AuthUser=username
AuthPass=password
FromLineOverride=YES
UseTLS=YES
```

Install phantomjs

Phantomjs is a headless webkit web browser that will load the Angular test runner and status page. To install it you must first install the fontconfig dependency.

```
sudo apt-get install fontconfig
```

Now install Phantomjs.

```
sudo apt-get install phantomjs
```

Setup a cron job to run the test nightly and email the results

To configure cron to the automated daily build and test you will need to set it to run the script each day. To do this, you will need to add the following line to the `/etc/crontab` file:

```
30 3 * * * root cd /var/www/lineup/tests && bash auto_test.sh
```

New Releases

New releases will be represented in our github repository as a branch. To download a specific version you will need to clone that branch. The version number of the release is listed in the README.md file in the repositories root directory.

When new versions are released follow these steps:

1. Check in all code to be included
2. Update the version number in README.md
3. Create a new branch with the version name

You may also want to check links on the website by putting the url into this link validator:

<http://validator.w3.org/checklink>

Issue List

Should you find a bug in LineUp, you can submit a description of the issue in our Issue Tracker, [here](#). We recommend that you follow the guidelines of a standard [bug report format](#), and please review our [bug list](#) to keep from submitting an already known bug. For instructions on how to do so, please refer to [this similar documentation](#) for another GitHub project.S