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Team Silver Bullet

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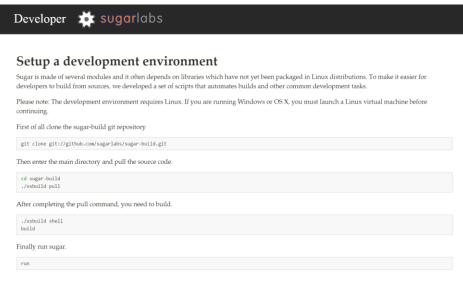
CS 362

15 September 2015

Deliverable #1

Team Silver Bullet consists of Jameson Burroughs, Christopher Lewis, Megan O'Neal, and Alex Wray. We chose Sugar Labs [wiki.sugarlabs.org] as our open source project to compile, test, and document. In this deliverable, we have successfully cloned our project to our Ubuntu virtual machines. There were a few steps in completing this task.

lewisca@lewisca-VirtualBox: ~/sugar-build



The wiki provided for developers by Sugar Labs provided us with the following steps.

After running './osbuild pull', the project proceeded to download.

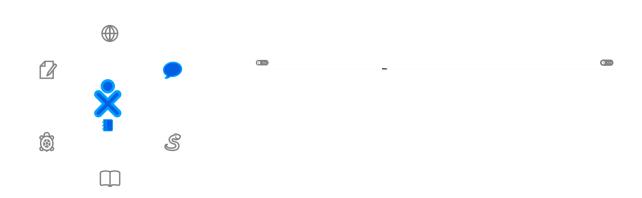
```
Running setup.py egg_info for package mccabe
Installing collected packages: mccabe
  Found existing installation: mccabe 0.2.1
    Uninstalling mccabe:
      Successfully uninstalled mccabe
 Running setup.py install for mccabe
Successfully installed mccabe
Cleaning up...
 Pulling =
 Pulling automake
  Pulling gwebsockets
 Pulling sugar-docs
 Pulling sugar-base
 Pulling sugar-toolkit
Pulling sugar-toolkit-gtk3
 Pulling sugar
 Pulling sugar-artwork
Pulling sugar-datastore
  Pulling sugar-runner
```

```
lewisca@lewisca-VirtualBox: ~/sugar-build
  Pulling jukebox
Pulling turtleart
  Pulling clock-web
* Pulling gtd-activity
Lewisca@lewisca-VirtualBox:~/sugar-build$ ./osbuild shell
  sudo broot run osbuild shell
  Setup the broot build system =
  Create the python virtualenv
  Install python packages
  Available commands =
run
build
karma
check
docs
dist
See also http://developer.sugarlabs.org/dev-environment.md.html
[osbuild sugar-build]$ |
```

After the downloads completed, we built the shell.

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We ran the project from sugar's shell, and were greeted with the completed, running introduction page to Sugar Labs! The main menu was not too much farther past this.



Our experiences so far have been rather pleasant. Once we figured out how to clone the code to our Ubuntu machines, compiling the code and running it was quite simple. From the main menu, pictured above and to the left, we have, starting at the 12 o'clock spot and going clockwise, we have: web, chat, Pippy (a python editor), read, TurtleBlocks (a visual drag and drop style programming teaching tool), and write. Each

one works as expected, and each is quite testable with its limitations. There is a more fleshed out version of Sugar Labs on their website in the form of an .iso file, which is undesirable for our team's purpose. We plan on working with the program we have downloaded as-is. There are more than enough possible test cases to analyze.

We found existing test files and ran them in the osbuild shell of sugar. We currently do not know exactly what they do or how to interpret the results. We do know that the python test file we have run multiple times tests the applications within Sugar Labs, so it's a good framework to start out with. We have also yet to select an activity within Sugar Labs to test yet, however our team will accomplish this task quite soon.