Chapter 1: Progress from Building Sugar Labs

Summary:

After testing the sugar project across multiple virtual machines, we were unable to successfully build the sugar project. We were successful with an install of sugar on an Ubuntu 19.04 Virtual Machine by installing the `sucrose` package. We will continue to attempt to build the software from source.

Technical Description:

We have created Virtual Machines for the following versions of **Ubuntu**: * 20.04 `Focal Fossa` * 19.04 `Disco Dingo` * 18.04 `Bionic Beaver` * 17.04 `Artful Aardvark`

Once we have set up the VMs, we have cloned our repository to the VM and run the following scripts: `clone.sh`

```
#!/bin/bash

for module in sugar{-datastore,-artwork,-toolkit,-toolkit-gtk3,}; do
    git clone https://github.com/sugarlabs/$module.git
done
```

`deps.sh`

```
#!/bin/bash

for module in sugar{-datastore,-artwork,-toolkit,-toolkit-gtk3,}; do
    sudo apt build-dep $module
done
sudo apt install python{,3}-six python3-empy

sudo apt install autoconf autogen intltool libtool automake autotools-dev libopts25 libopts2
gtk+-3.0 librsvg2-dev libasound2-dev python-empy GTK+-2.0 python2.7-dev python-dev gtk2.0 ic
```

`build.sh`

```
#!/bin/bash

for module in sugar{-artwork,-toolkit-gtk3,-datastore,}; do
    cd $module
    ./autogen.sh --with-python3
    make
    sudo make install
    cd ..
done
```

We have run into issues with our `deps.sh` script which installs all of the dependencies for the `sugar` repository to build. Alongside trying to build the project

from source, we installed the `sucrose` package in the Ubuntu Aptitude (apt) repositories and as per the instructions on the Github Repository, logged out and the desktop environment was only available in the Ubuntu 19.04 Virtual Machine once the package was installed via the repository.