

Setup:

Used Google Test.

You can clone the Google Test repository from GitHub and build it as follows:

```
git clone https://github.com/google/googletest.git  
cd googletest  
mkdir build  
cd build  
cmake ..  
make  
sudo make install
```

Installs Google Test.

Unit Tests:

Unit tests are in the test_main.cpp file and main.cpp Commented out of main.cpp for now for the sake of compiling and not getting errors.