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Software Engineering Team Term Project

Deliverable #1

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Our team has decided to use Amara for our Test Driven Development project for our Software Engineering (CSCI 362) class. We chose this assignment because of the accessibility factor and the amount of potential it has to help millions of people. We also chose this project because it is written in Python, a language that most of our team members know fluently, which makes it easier to read, test and debug the code. In the beginning we had issues getting the code to simply build due to the poor guidelines in the Amara ReadMe.txt file.

One of the biggest flaws we have seen is the fact that the source code has repositories inside of a repository. The next thing we discovered which has been a pain to get through has been the myriad of errors we have encountered while trying to build it. The ReadMe.txt file does not state what version of Python is needed so we chose to go with Python 2.7. On top of not knowing exactly which Python version is needed the ReadMe.txt file did not state that pip is needed and it did not state that django is also needed. If you encounter any problems while trying to get the project built try executing 'which pip' and then use the full path of pip (ours happened to be in /usr/bin/pip) to install django. The project involves docker-compose which is annoying in and of itself to understand and get working properly but the ReadMe.txt file has a link to the docker-compose web-page to follow. It is also worth mentioning that we had to change the docker-compose.yml file at the top from "3" to "2" to get it to work as well.

After we fixed all the errors we were encountering and had all the necessary components we used the /bin/dev build to build the environment and docker container. That same file also has a test command that will run their test cases which happened to be over one thousand tests with only 3 being skipped and the program failing one test with the message "9 != 13".

FAILURES

```
SubtitleTypesTest.test_subtitle_list self =
<tests.subtitles.test_types.SubtitleTypesTest
testMethod=test_subtitle_list> def test_subtitle_list(self):1 =
SubtitleFormatListClass(ParserList, GeneratorList)>
self.assertEqual(len(1), 13 E
AssertionError: 9 != 13
/var/run/amara/tests/subtitles/test_types.py:32: AssertionError
1 failed, 1121 passed, 3 skipped in 243.29 seconds
```

In short, the README file could use with some updating and noting the specific requirements of Python, Django, Docker, etc. to make building and getting the program in a working state a lot more simple for others to help assist and improve the program.