

Deliverable 2

Testing Process

We want to begin by testing some of the most common components of Amara. Since Amara allows users to provide captions, subtitles, and translated videos, we felt some of the basic tests should include each of these features. We will begin with simpler tests and eventually tackle more difficult portions later.

Test Recording Procedures

We are still trying to determine if we want to record our test using a text output file or out to a HTML. We may possibly record information using the terminal.

Hardware and Software Requirements

The hardware requirement includes a having a computer and having Amara installed and built on the machine. In order to run the environment that Amara will build you will need docker and Ubuntu 16.04 LTS.

Constraints

Some of the constraints affecting the testing process include verifying data we are testing is as close to being “realistic” as possible. We must assume our test cases will be accurate.

System Tests

- *Check Text Test*
Given a certain word, does the text display properly. With this test, we want to verify the word that appears on the screen shows when expected.
- *Translate to English Test*
Given a non-English language, we need to test if the language translated properly to English.
- *Translate to Non-English Test*
Given English text, we need to test if the text properly translated to a non-English language properly.
- *Check Silence Test*
Given a section of silence (no sound is present in video), no erroneous subtitles should appear.
- *Clapping Test*
Giving a scene in the video with clapping, test if any subtitles appear.