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Software Engineering Term Team Project

Deliverable #2

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 have decided to have our script run and compare then post whether or not the test case passed or failed in an HTML file that will automatically launch once the script is done running.

Hardware and Software Requirements

The hardware requirement includes having a computer and having Amara installed and built on the machine. The software requirements include having the following installed onto the computer Python 2.7, pip, django, docker-compose, the bleach Python library (bleach), and the lxml Python library (lxml).

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.

Unit Tests

- *Check Appropriate Video File*

Given a filename plus an appropriate video file extension, test & see if it is appropriate.

- *Check Appropriate Audio File*

Given a filename plus an appropriate audio file extension, test & see if it is appropriate.

- *Check Appropriate MIME Type File*

Given a filename plus an appropriate MIME file extension, test & see if it is appropriate.

- *Check User is Authorized to View Video*

Given two names, test & see if it the name that created the video is the same as the person trying to view the video currently.

- *Escape Ampersands*

Giving text that has '&', replace the '&' with '&' for compatibility with HTML format