**System Test Procedure**

**Testing the Music Player**

Step 1: Analyze Website – Basic run through of all the pages on the website, testing to make sure there are no errors.

* Music player – the music player for all the songs is the main aspect of the page. The website will need to have a fully functional player for each song.
* Spotify Player - embedded lofi playlist from Spotify.
* YouTube Player – embedded video music from YouTube is needed on the page for fans to love the most popular lo-fi channel on YouTube. This also allows for phone users to listen while using device.
* Share button – share music to social media.
* The webpage should be beautiful and appealing to the masses.
* Webpage should not be buggy and cause crashes on computers or errors. Secure.
* Contact and Terms and Services.

Step 2: Design Test Strategy –

Chart, diagram, box and whisker chart

Description automatically generated

Diagram

Description automatically generated

Step 3: Define Test Objectives

There are four HTML pages that the user can access. We must test to make sure that the pages do not cause an error or link to a nonexistent file or page. We must test the database host also to make sure it is communicating with the pages that are connected i.e. the home.html page that has the submission form. These four pages are vital for the website so they must be tested multiple times by multiple testers. The main CSS code must be reviewed while the pages are being tested because the pages are all connected to one CSS file. Test the PHP file that accesses the database to make sure that the SQL is working properly with the database and submissions are not duplicated to save memory.

* Test four HTML pages, review code.
* Review and adjust CSS page according to Design.
* Test PHP code and connection to myPHPadmin
* Test Database for submissions/duplicates

Step 4: Risk Evaluation

* The page currently has one risk, the user can submit and overload the database with multiple submissions. Although it would take the user a lot of entries, it is worth mentioning.
* The risk is not worth solving because the time and effort it will take to fix it is less than the risk-reward if left alone. There is a duplicate submission preventer so that should help the database a lot.

Step 5: Final Test

The website will finally be tested in real-world scenario for users. This test will determine if the test process is retested or if the product will be ready for multiple users.