

Team Number: Group 4-101

Team Name: MyTeam.IsBetterThanYours=true

Team Members:

1. Lauren Paredes
2. Bueno Carlos
3. Kate Reynolds
4. Zixuan Ni
5. Muluken Chekilie
6. Giuliano Costa

Application Name: Music Flow

Application Description: Our application will be a website in which users can upload a photo. Once they have uploaded the photo, the application will use an algorithm and pick a song that fits well with the photo. The user may also have the option of choosing a genre of music to narrow down the pool in which the song is selected from. The application will then return the song and picture to the user.

There will also be a login option so that the user can save their previous searches/images.

Vision Statement: To create better photos, where customers can express themselves through music.

Version Control:

<https://github.com/CSCI-3308-CU-Boulder/101-4-MyTeam.IsBetterThanYours-true.git>

Development Method: Our team is going to follow the agile/scrum methodology.

<https://csci-3308-fa20-4.atlassian.net/secure/RapidBoard.jspa?rapidView=1&projectKey=MI4&view=planning.nodetail&issueLimit=100&atlOrigin=eyJpIjoiMzU3NDdmZDk2MjBjNGVhODg0N2U2ZGU4YWZlYWQ1ODgiLCJwIjoiajJ9>

Communication Plan: Our main method of communication will be through Discord. We have a general chat in Discord as well as the option to do a Voice Call, so it resembles a group phone call. This also gives us the option to send code through chat and the ability to share our screens.

Meeting Plan: We plan to meet on Fridays in the morning. The mode of meeting will be through the Discord Voice Call and communication and work is displayed through Google Docs. Our TA meeting will be on Fridays at 1:45pm over zoom.

Proposed Architecture Plan: The back end will be python. We will use python to get the songs with the picture which users upload. Then use an algorithm to decide which song is the most appropriate for the picture. The front end will be HTML. UI and the server functions will also be HTML. Python code will be used to return a link and name of the song that relate to the picture that the user gives on the HTML web.

Use Case Diagram:

Kid	Teen/Adult	Elderly
Small games in the web	Connect with friends	Easy to navigate
Non explicit music	Wide variety of music	Big text

Easy to use (simplified terms)	Can connect personal playlist	Song suggestions more applicable to them
Interactive tutorial	Suggested tags	In depth tutorial
More vibrant	Feed page	Easy to upload picture