CSCI3308 Software Development
Project Milestone 1
2/2/21

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Project Milestone 1

Milestone Project 1 Description: https://cuboulder-csci-3308.herokuapp.com/ProjectMilestones/ProjectMilestone1/index.html

Application Name:

PhotoPhonic (Visual to audio synesthesia machine)

Application Description: An image to sound synesthesia machine. When inputted an image on the webapp, it will produce a series of tones that correspond to the image in an artistic and interpretive manner.

Vision Statement:
For anybody, fun, curious souls, or those who cannot otherwise experience images
PhotoPhonic is an interpretive art project
that allows people to experience images in a different context].
Unlike other image to sound translators,
our product creates an artistic rendition of the image, that captures the tone and energy of the image.

Version Control: https://github.com/CSCI-3308-CU-Boulder/3308SP21_section013_6

Development method: Agile hybrid development using JIRA

Communication Plan:
We will use Discord as our main platform for communication. We will collaborate, meet, and more using message and voice channels.

Meeting Plan:

We will have a weekly meeting every Tuesday from 12:20 PM to 2:20 PM over Discord. We will meet with our assigned Teaching Assistant Fridays from 9:40 AM to 10:00 AM over Zoom. We have not been sent the Zoom link for our TA meeting yet.

Proposed Architecture Plan:
GUI/Front End - JavaScript
Middle layer - Python for image processing and web development
Database - Firebase
Hosting - Heroku

Use Case Diagram: