**Earthenware Audio Team Contract**

# Focus

Earthenware Audio will be developing a plugin for use in a Digital Audio Workstation (DAW). The plugin will take the form of a VST called Notifi and will be created within the JUCE C++ framework. There will be a graphical user interface, digital signal processing, and audio analysis or manipulation component. The specific function will be to function as an advanced tuner that can identify western musical scales efficiently from a real-time audio input. From this stage, manipulation of signal output can become a future development. The work will be distributed as follows.

# Roles

| *Role* | *Member* | *Contact* |
| --- | --- | --- |
| Graphical User Interface | Joe Welage | welagejl@mail.uc.edu |
| Digital Signal Processing | Klayton Hacker | hackerkj@mail.uc.edu |
| Analysis and Effects | JP Wang | wang3jp@mail.uc.edu |

# Schedule and Communication

The expected participation of the group each week will be to attend an update meeting each week over video call. Each member will have expected progress to be made based on their role in the project. Participation in the Earthenware discord chat is expected, except on the weekend, or during previously scheduled vacations.

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| *Meeting* | *Time + Date* | *Frequency* |
| --- | --- | --- |
| Update Video Call (Discord) | Monday @ 7pm (tentative) | Weekly |
| Earthenware Group Chat | Weekday Business Hours | Daily |
| Faculty Advisor Meeting (Prof Boyang Wang | Available Office Hours | Bi-Monthly |

**Signed**

*JP Wang*

*Klayton Hacker*

*Joe Welage*