**Computer Science and Engineering, University of Nevada, Reno**

**MelodyBot**

**Team #19**

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## **A list of use cases and/or requirements implemented that will be demonstrated during the project progress demo;**

* A user will be able to play music.
* A user will be able to pause music.
* A user will be able to resume paused music.
* A user will be able to select a genre for the generated sample.
* A user will be able to access the project website.
* A user will be able to import files.
* A user will be able to remove files.
* A user will be able to generate samples.
* A user will be able to exit the application.

## **A list of use cases and/or requirements that are not yet implemented but will most likely be by the time of the final internal demo in this class (end of April).**

* A user will be able to access the preferences page to customize their sample.
* A user will be able to select a length for the generated sample.
* A user will be able to select a tempo for the generated sample.
* A user will be able to use a slider to track the playback of a sample.
* A user will be able to access licensing information.
* A user will be able to download a sample.
* A user will be able to produce and feed in a custom seed to reproduce samples.
* The application will have an improved user interface.

## **Current Project Status**

The project is nearing its final stages of development. A user interface which integrates an artificial intelligence to produce music is currently operational. Since the December 2017 demo the artificial intelligence was integrated into the user interface and both have undergone various iterations that have added features such as menu bars and genre selection. The remainder of development will focus on adding more features to customize generated samples as well as improving the usability and visual appeal of the user interface. Additional features which are currently planned include options to set the tempo and length of samples, adding an animation or visualization to the generation of samples, and additional genres to select from.

## **Contribution of Team Members**

**Time Log**

This is a record of each team member’s time spent on each section of this report:

* **Nicholas Harris**
  + **Current Project Status: 30 min**
  + **Revisions: 15 min**
* **David Neilsen**
  + **Revisions: 30 min**
* **Joseph San Nicolas**
  + **Preparing Video Demo of Improved UI: 30 min**
  + **Revisions: 15 min**
* **Stefan Stukelja**
  + **Preparing Video Demo: 1 hr**
  + **List of Use Cases Implemented: 30 mins**
  + **Paper Revisions: 30 mins**