**CSE 471 Project 1 Group 24 “Harmonica Solo”**

Group members:

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Component:

I chose to do the Additive Synthesizer component for this project. It uses 10 harmonics to add sinusoids together producing a sound. My program uses random values to assign to the 10 harmonics between 1 and 3 creating a harmonica like sound to produce music. It can perform sinusoid playback as shown in the music files. All harmonics are also defined. Envelope generation is created by the ADSR class in my code. It is an improved version of the AR class. While it is hard to notice the envelope generation because of the strong noises produced by my synthesizer it is easier to notice it using the Score files from Step5.