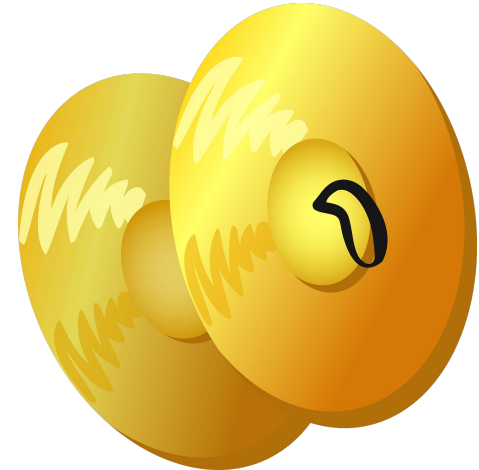


Project Pitch

Team 30



Team

Name	Student number	Email
Sammy Fehr	2835488	s.f.fehr@student.vu.nl
Brian Vera	2835621	b.v.vera@student.vu.nl
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Jose Gutierrez	2835470	j.l.g.gutierrez@student.vu.nl

Drum Machine: Overview

We will create a software-based drum machine in which the user can:

- Make beats using different drum components: snare, kick, bass, cymbal etc...
- Create and save a beat to be looped, exported, and overlaid with other beats.
- Receive visual feedback on which drum components they have selected and which drum component(s) is/are currently playing.
- Create a beat by setting a sequence of drum components to play.
- Listen to beats on the drum machine in real time.
- Access a predefined set of beats.

Implementation:

- Drum machine program is able to be launched locally

Feature 1

Name: Beat Import/Export

Description:

- Users can export and import custom beats in MIDI/MP3 format.
- Exporting has an option between MIDI and MP3 formats.
- Imports can only be done with MIDI formats.
- Beats can be freely added into existing songs.

Champion: Shota Goginashvili

Feature 2

Name: GUI for Beat Sequencer/ Saver/ Loop

Description:

- User can record and save a beat
- User can loop beats
- User is able to choose how long a note is played for via a slider
- User is able to control the tempo (frequency) of a beat/ instrument in terms of beats per minute using a slider
- User is able to control “velocity” via a slider adjusting volume of specific note
- All this to be represented visually in a GUI

Champion: Jose Gutierrez

Feature 3

Name: Drum/ MPC GUI

Description:

- The user will be provided with a visual for navigating beat/note creation and deletion, similar to an Akai MPC
- 16 buttons to represent 16 different instruments
- Buttons for Tempo and Velocity
 - Play
 - Record
 - Export

Champion: Brian Vera

Feature 4

Name: CRUD

Description:

- Beats can be created, read, updated, and deleted using the our GUI

Champion: Sammy Fehr

Time log

Team_30_Time log ☆ 📁 ☁					
Bestand Bewerken Bekijken Invoegen Opmaak Gegevens Extra Uitbreidingen					
🔍 ↶ ↷ 🖨 🗑 100% ▾ £ % .0 .00 123 Stand... ▾ - 10 +					
B11 ▾ fx					
	A	B	C	D	E
1	Team number	15			
2					
3	Member	Activity	Week number	Hours	
4	Brian Vera	Slideshow & Contract	1	2	
5	Sammy Fehr	Slideshow & Contract	1	2	
6	Jose Gutierrez	Slideshow & Contract	1	2	
7	Shota Goginashvili	Slideshow & Contract	1	2	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23			TOTAL	8	

Signed contract

<Team_Contract>