COMPUTER MUSIC LANGUAGES AND SYSTEMS

HW #1

HARMONIZER

| EFFECT

WITH SUPERCOLLIDER

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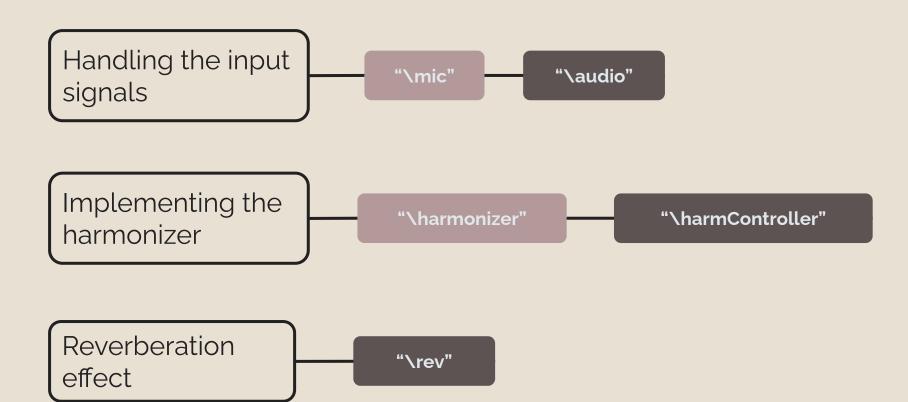


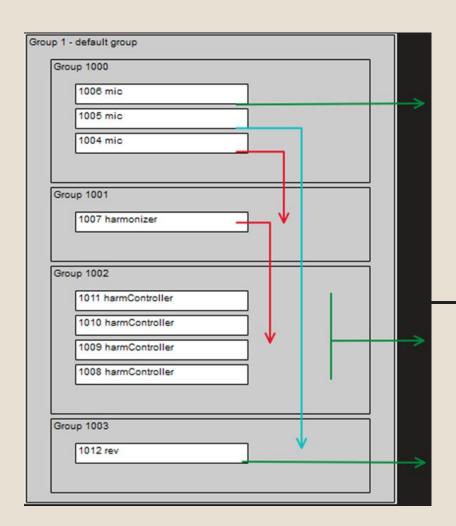


INTRODUCTION

- Goal of the assignment?
- How does it work?
- Main functionalities and added functionalities

DEVELOPMENT





ARCHITECTURE

- Three different copies of the input signal
- Two main functions combining synthesizers into the final harmonizer
- Harmonizer divided into 4 groups for easier mixing

HARMONIZATION

- Pitch-shifted signal is obtained by increasing/lowering the pitch of the original signal by a preset diatonic interval
- Knowing the musical key is essential!
- Associating numbers with notes for the convenience

	С	C#/Db	D	D#/E	E	F	F#/Gb	G	G#/Ab	A	A#/Bb	В
	0	1	2	3	4	5	6	7	8	9	10	11
6th below	-8	-8	-9	-8	-9	-8	-9	-8	-8	-9	-8	-9
4th below	-5	-4	-5	-4	-5	-5	-6	-5	-4	-5	-5	-6
3rd above	+4	+4	+3	+4	+3	+4	+3	+4	+4	+3	+4	+3
5th above	+7	+8	+7	+8	+7	+7	+6	+7	+8	+7	+7	+6

USER INTERFACE



THANK YOU!

Do you have any questions?

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