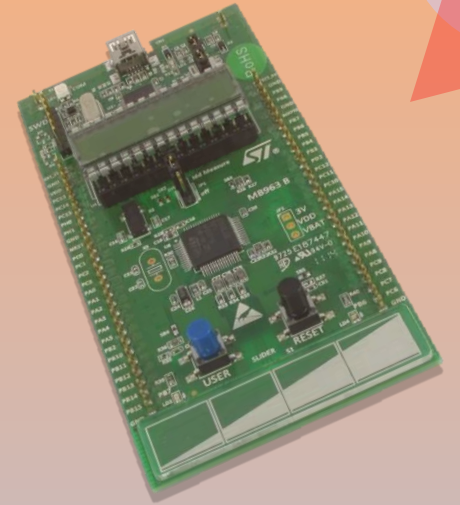


Pao-Ying-Choop

กลุ่ม C07



สมาชิกผู้น่ารัก



นางสาว พรวรา บุญจรัส
รหัส 1911310207
PPT



นาย หฤษฎ์ เบญจางคประเสริฐ
รหัส 1911310264
เขียนโปรแกรม

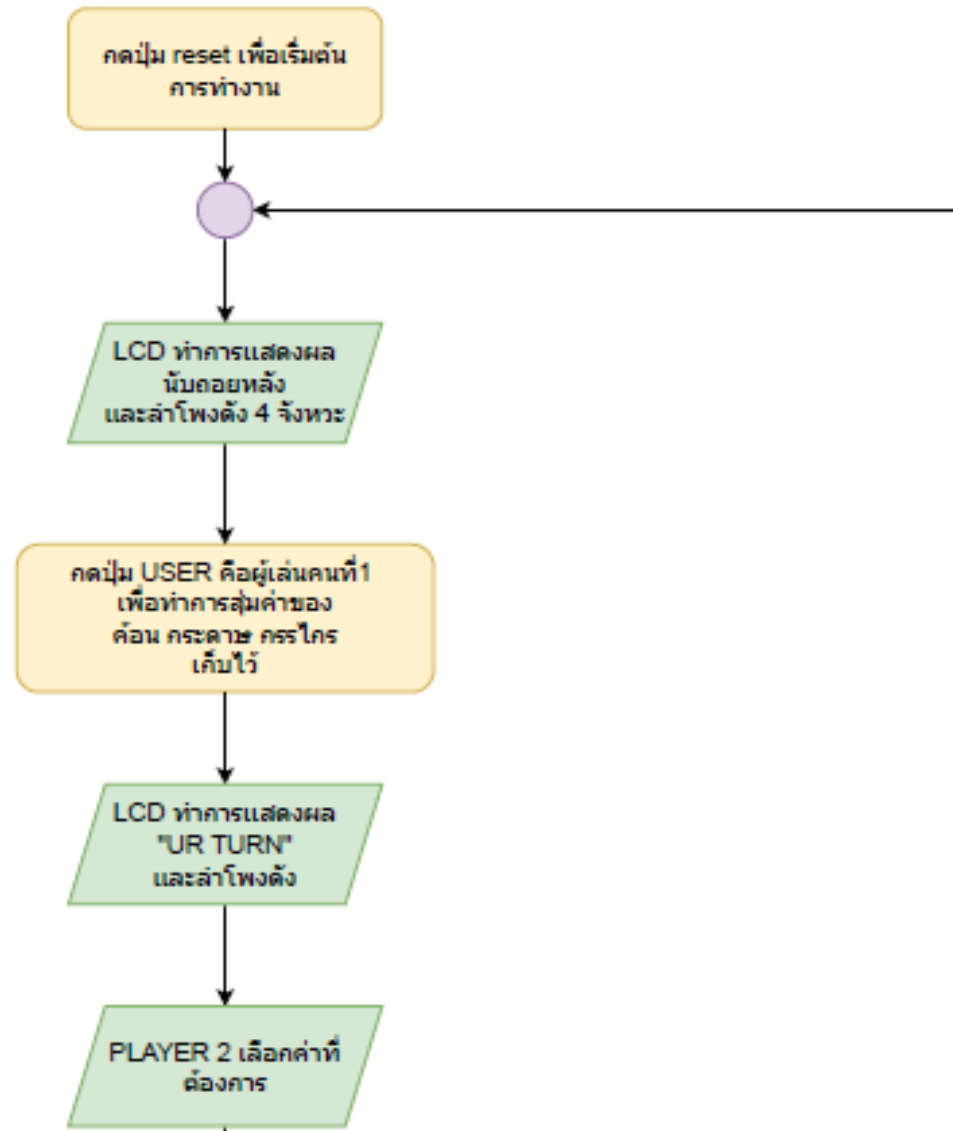


นาย ณัฐวัฒน์ สกุลปยานนท์
รหัส 1911310363
เขียนโปรแกรม

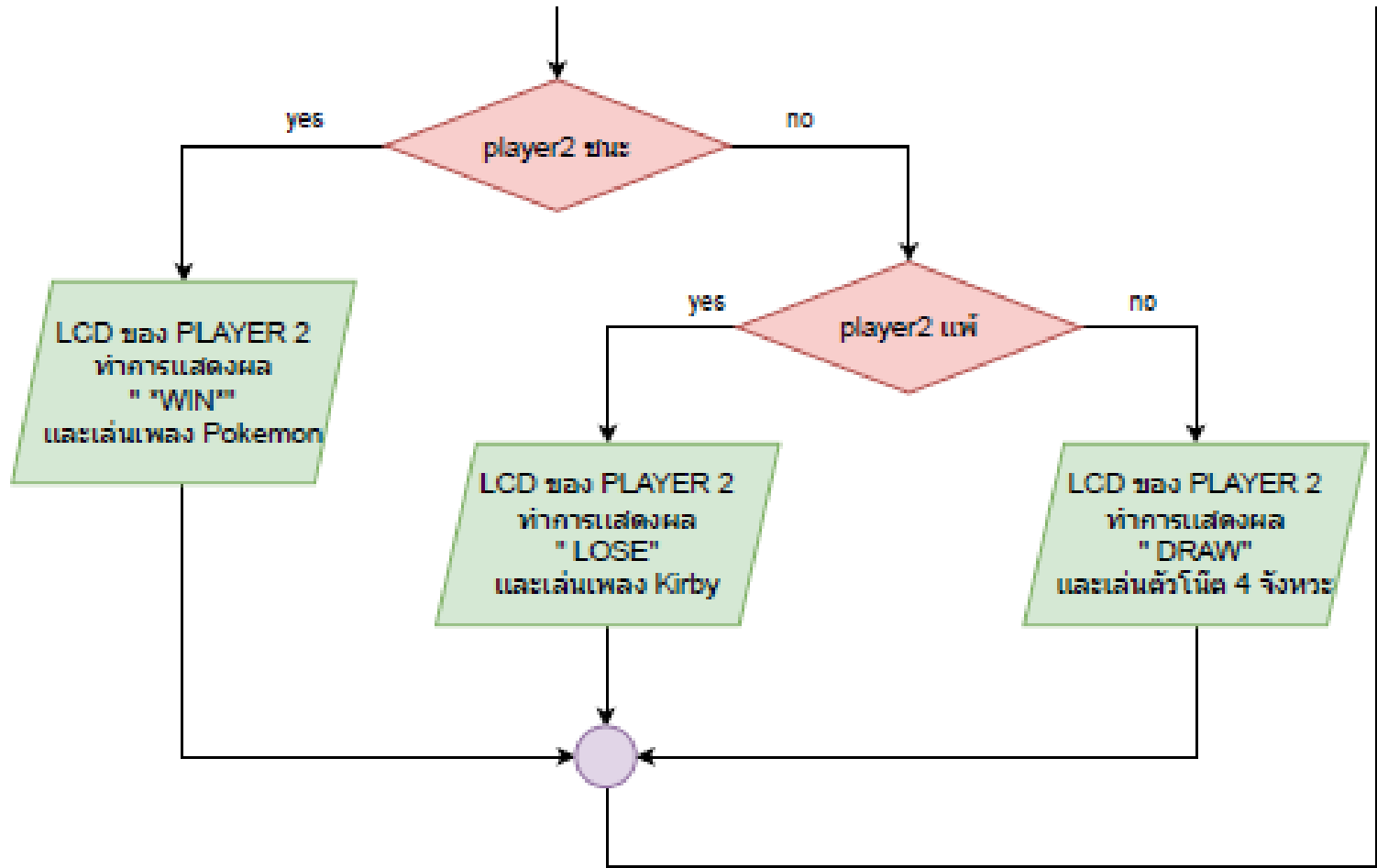


นาย วชิระ ตันไพศาล
รหัส 1911310389
Hardware

Overall Workflow



Overall Workflow



Architectural design

Port / Pin	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	USER Button	LCD	LCD	LCD	Available pins	Available pins	No pin out	No pin out	LCD	LCD	LCD	Push Button	Push Button	Special pins	Special pins	LCD
B	No pin out	No pin out	Special pins	LCD	LCD	LCD	Speaker	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
C	LCD	LCD	LCD	LCD	No pin out	No pin out	LCD	LCD	LCD	LCD	LCD	LCD	Available pins	No pin out	No pin out	No pin out
D	No pin out	No pin out	Available pins	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out
H	Special pins	Special pins	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out	No pin out



Available pins



LED



LCD



Special pins



Speaker



Push Button



No pin out



USER Button

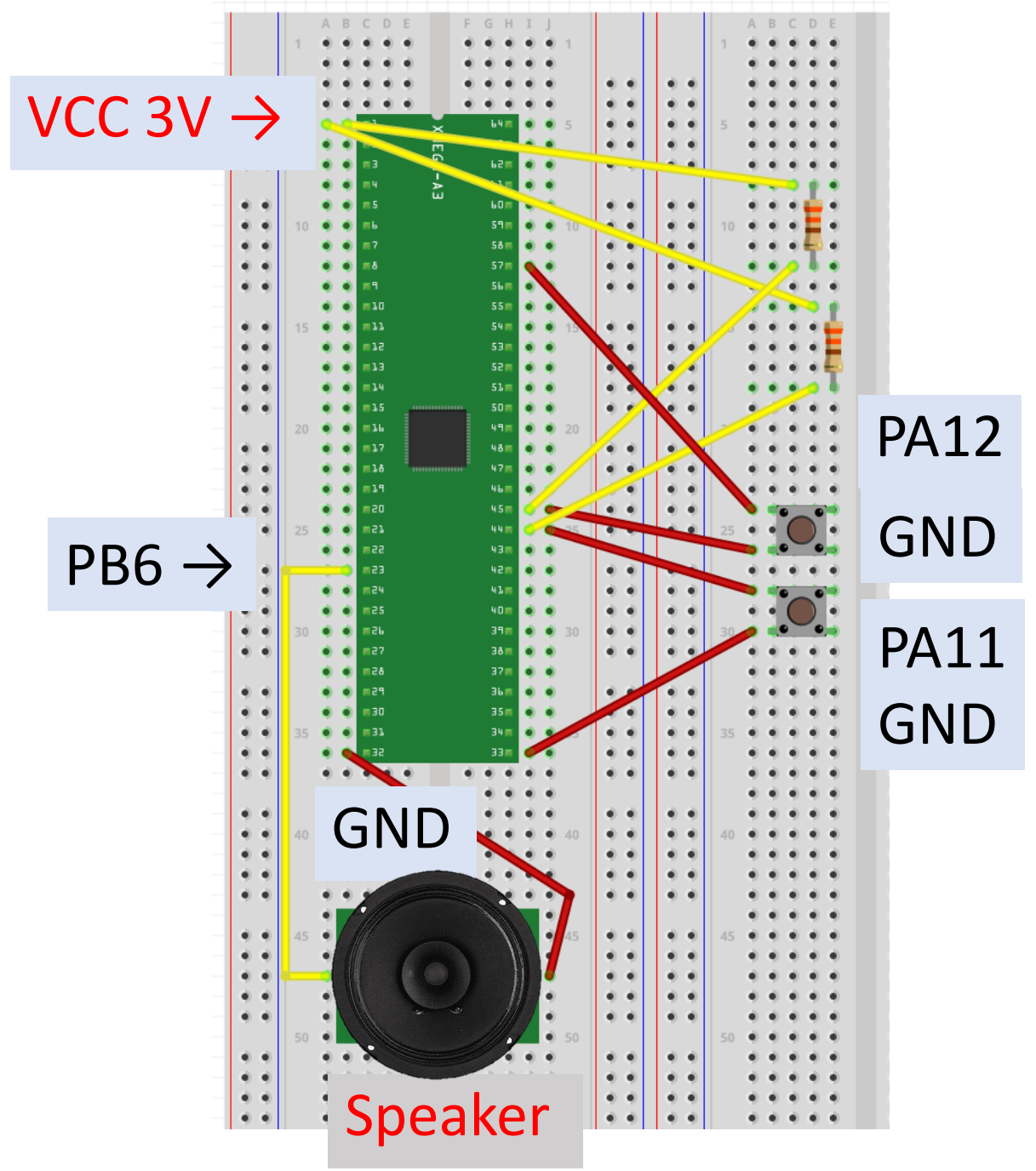
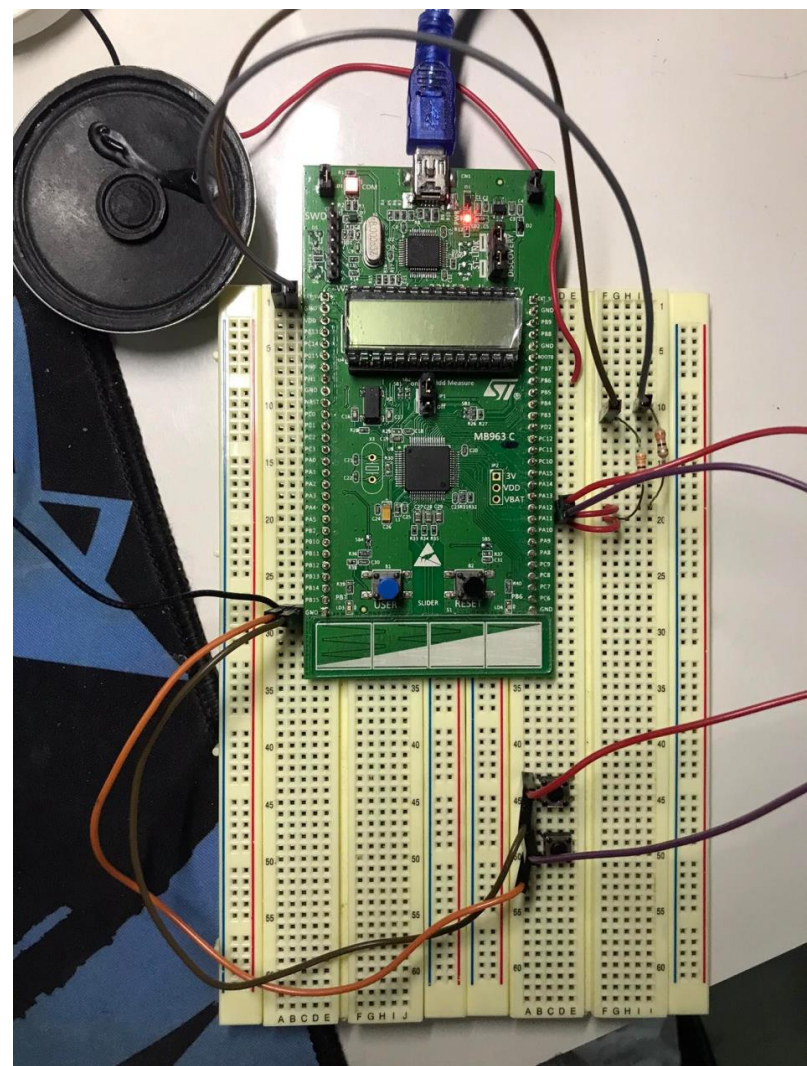
Architectural design

/Pin Port	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	B	L	L	L	Bz	X			L	L	L	PB	PB			L
B				L	L	L	LED	LED	L	L	L	L	L	L	L	L
C	L	L	L	L			L	L	L	L	L	L	X			
D			X													
H																

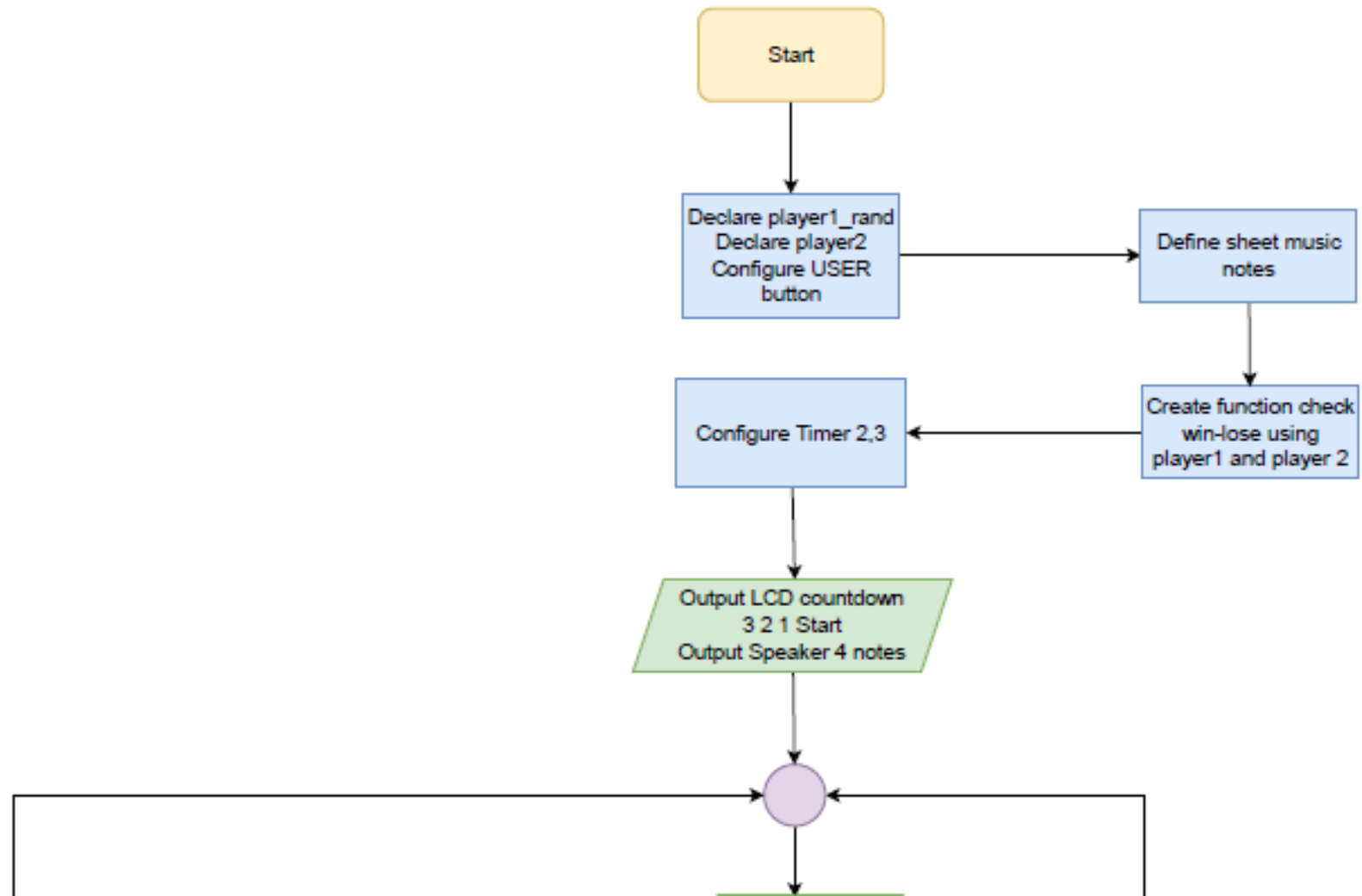
B = User Button, PB = Push Button, Bz = Buzzer, L = LCD, LED = LED

Input 1	Input 2	Process	Process	Output 1	Output 2	Output 3
User Button	Push Button	EXTI	DAC	LCD	Buzzer	LED

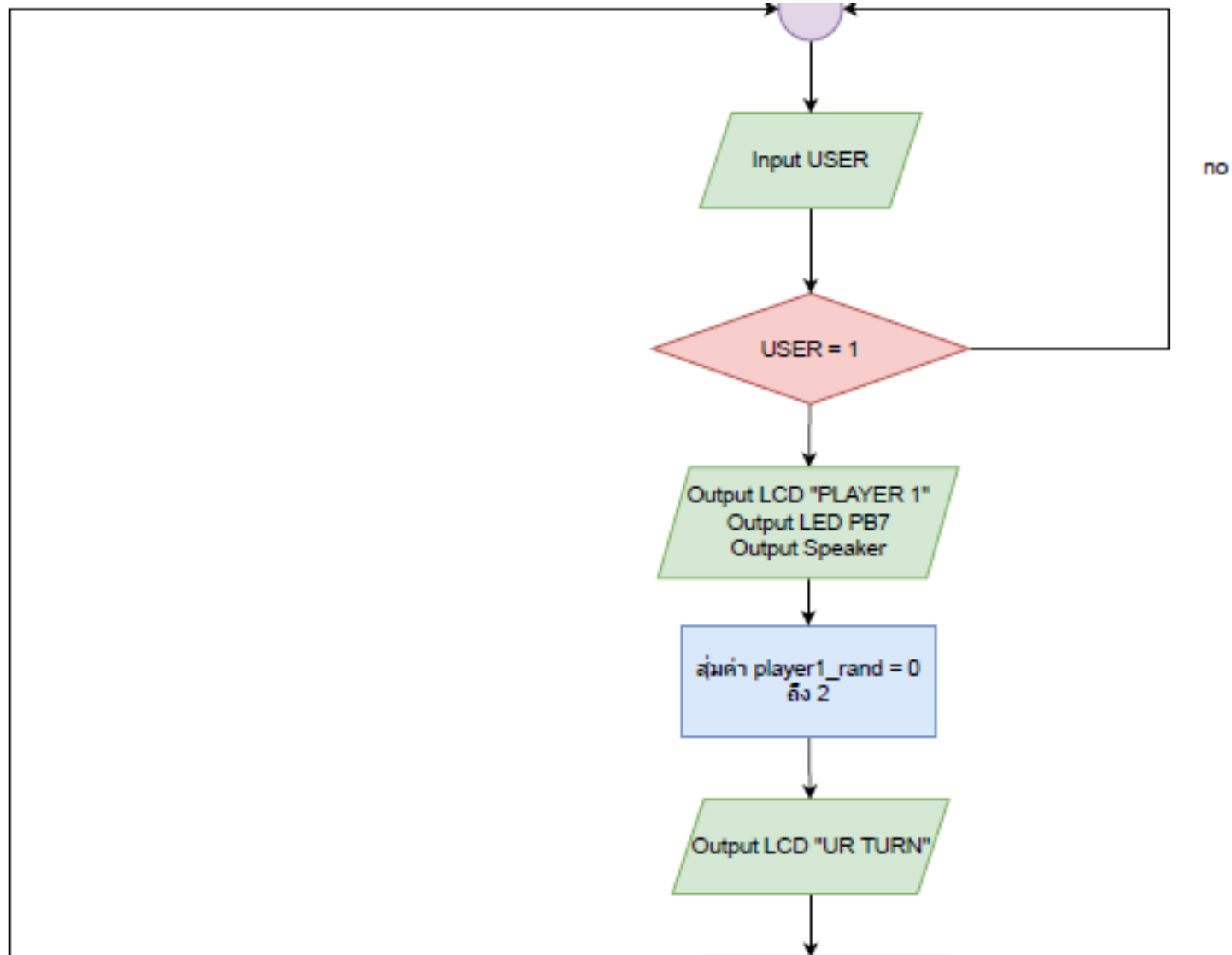
Hardware + Circuit



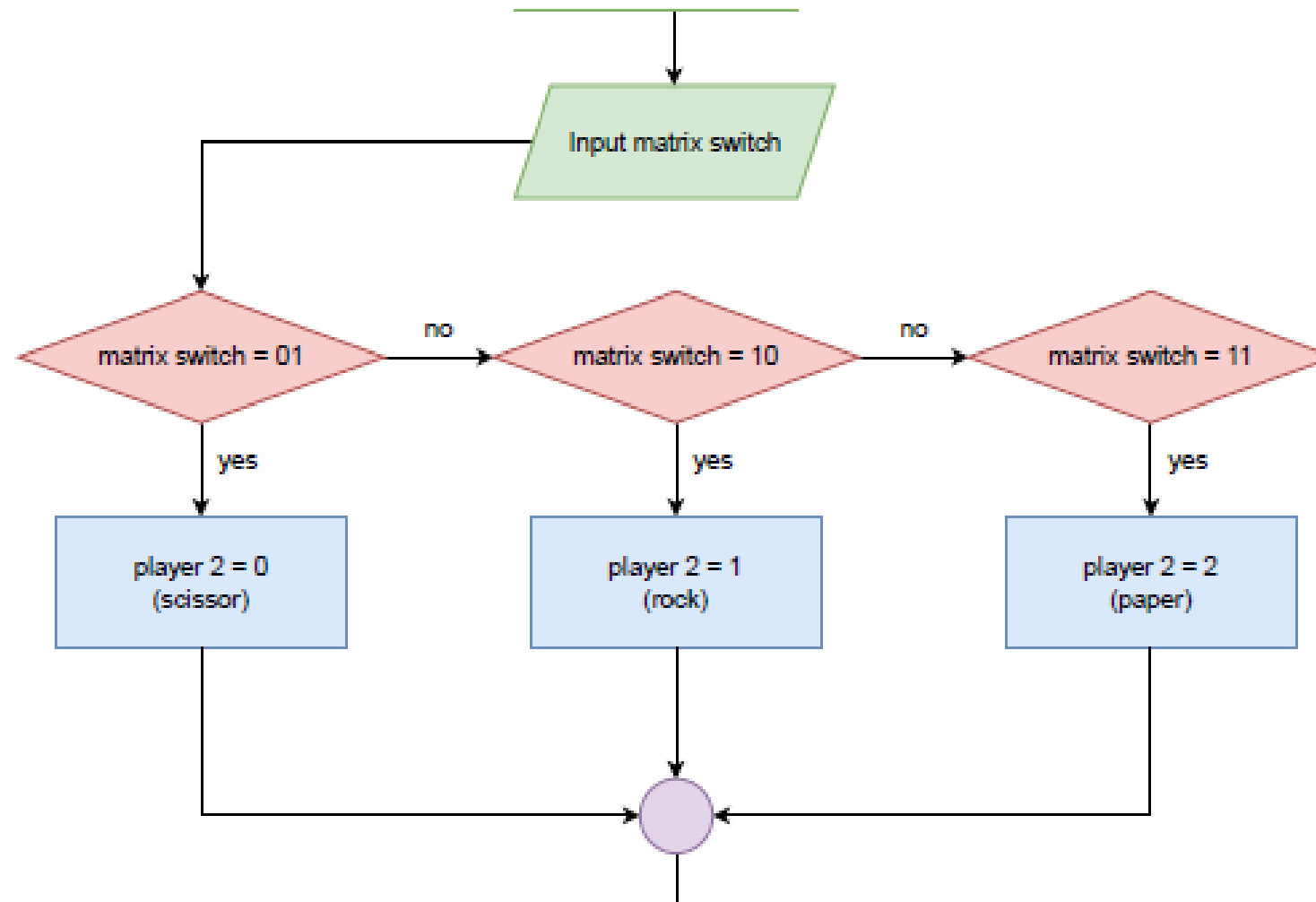
Coding flowchart



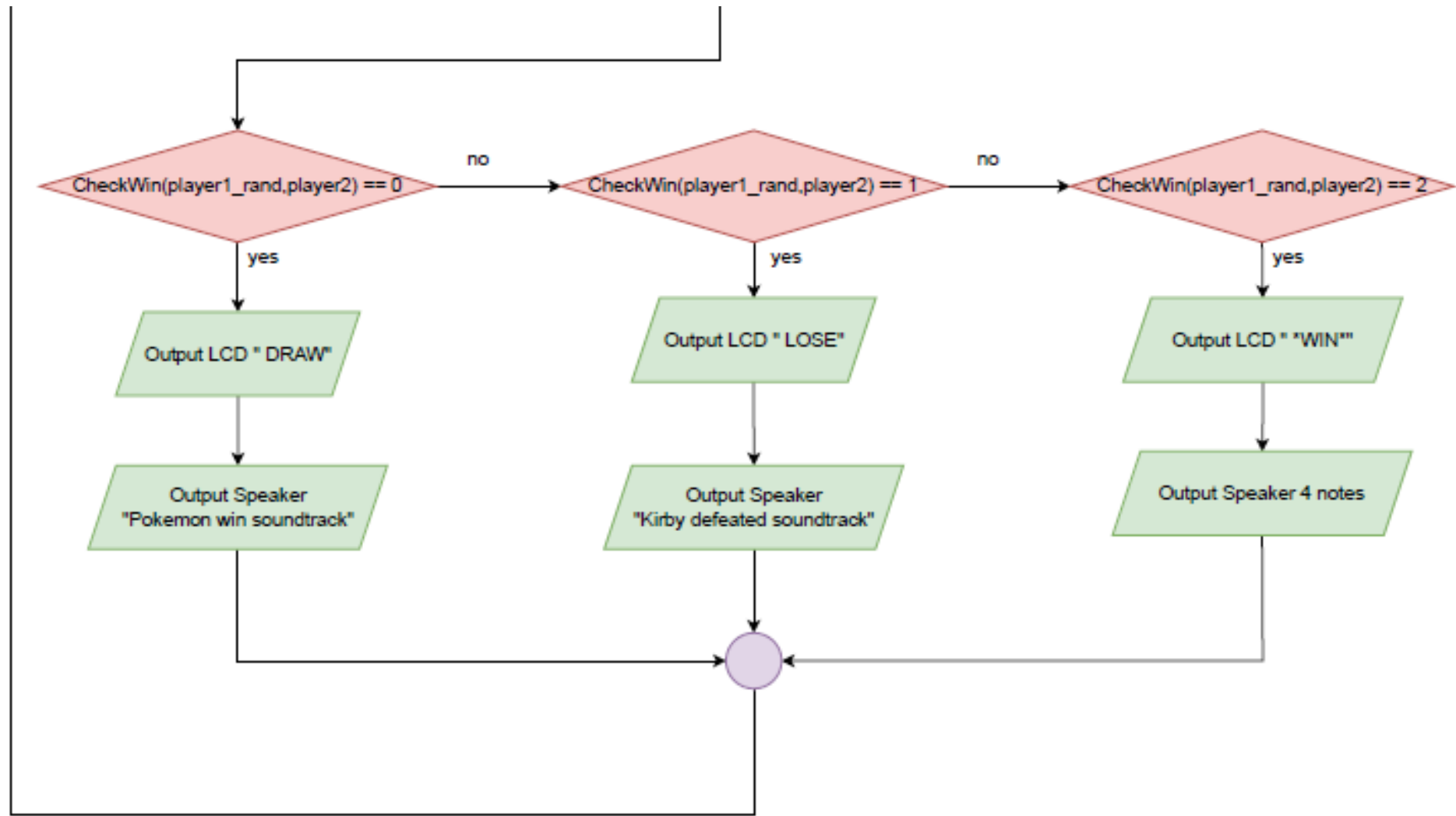
Coding flowchart



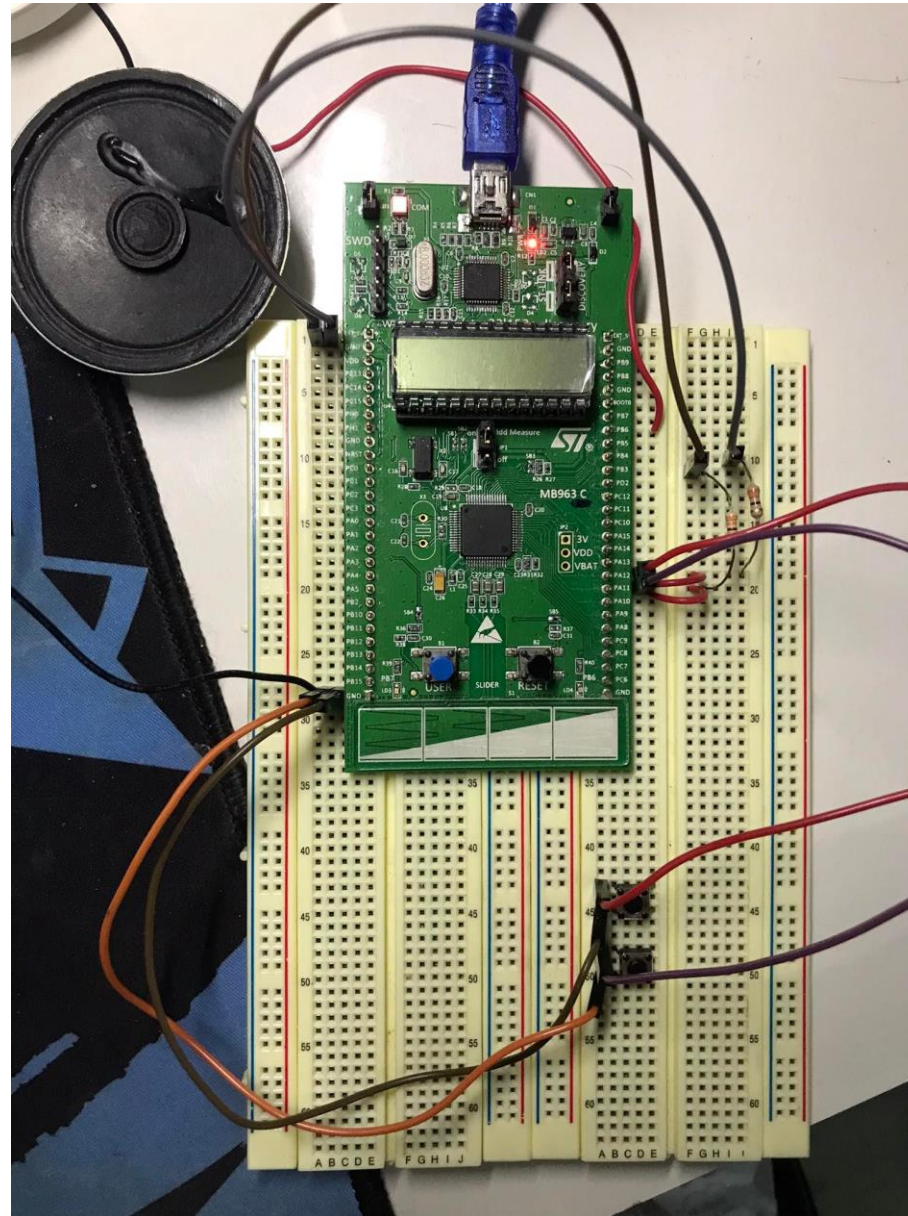
Coding flowchart

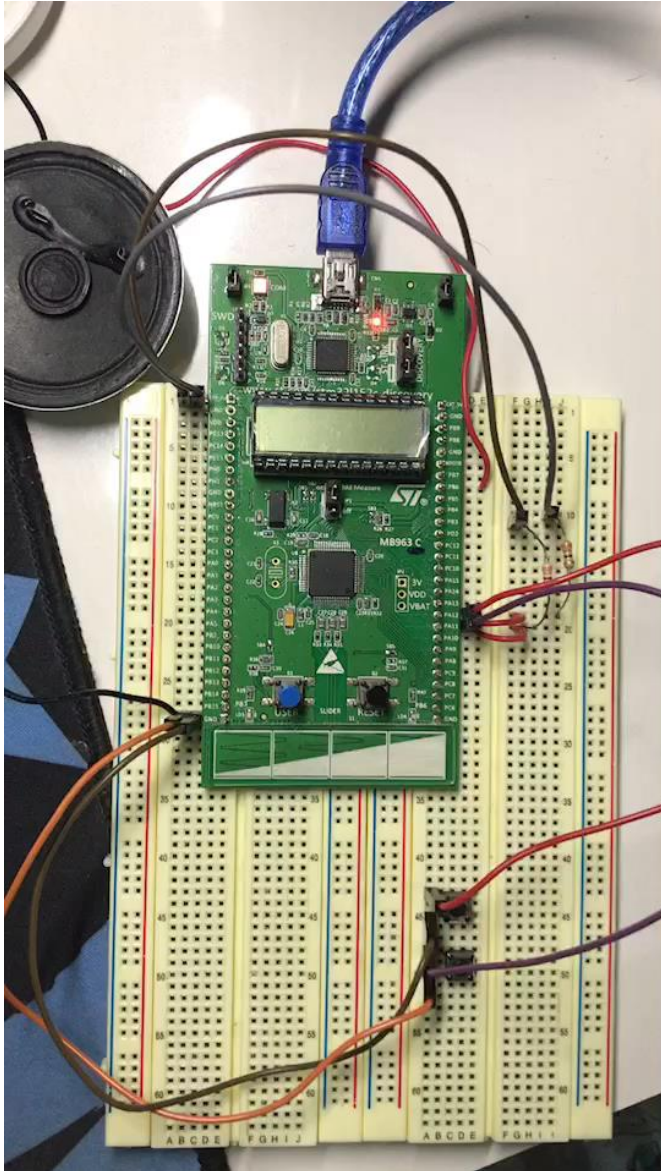


Coding flowchart



ภาพวงจร





ปุ่ม USER → Random Player 1

Player 2

กดปุ่มบน → ค้อน 🥊

กดปุ่มล่าง → กรรไกร ✂️

กดสองปุ่มพร้อมกัน 2 ปุ่ม → กระดาษ 🖐️

Gantt chart

Description	Responsible person	Week 1 Jan 10 - 16							Week 2 Jan 17 - 23							Week 3 Jan 24 - 30							Week 4 Jan 31 - Feb 6								
		M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su		
Discussion about project	Everyone	Yellow							Yellow																						
					Green																										
Architectural design	Everyone									Yellow						Yellow															
Start coding	Harit																														
Config coding	Wachira																														
Sheetnote	Pornwara																														
Merge code	Everyone (especially Nattawat)																														
Testing	Nattawat,Harit																														
Presentation	Wachira,Pornwara																														

Update project plan1: 12-Jan-22

Update project plan2: 24-Jan-22

Update project plan3: 4-Feb-22

Plan

Actual

Late

Q & A

