

Pao-Ying-Choop

กลุ่ม C07

# สมาชิกผู้น่ารัก



นางสาว พรวรา บุญจรัส  
รหัส 1911310207  
PPT



นาย หฤษฎ์ เบญจางคประเสริฐ  
รหัส 1911310264  
เขียนโปรแกรม

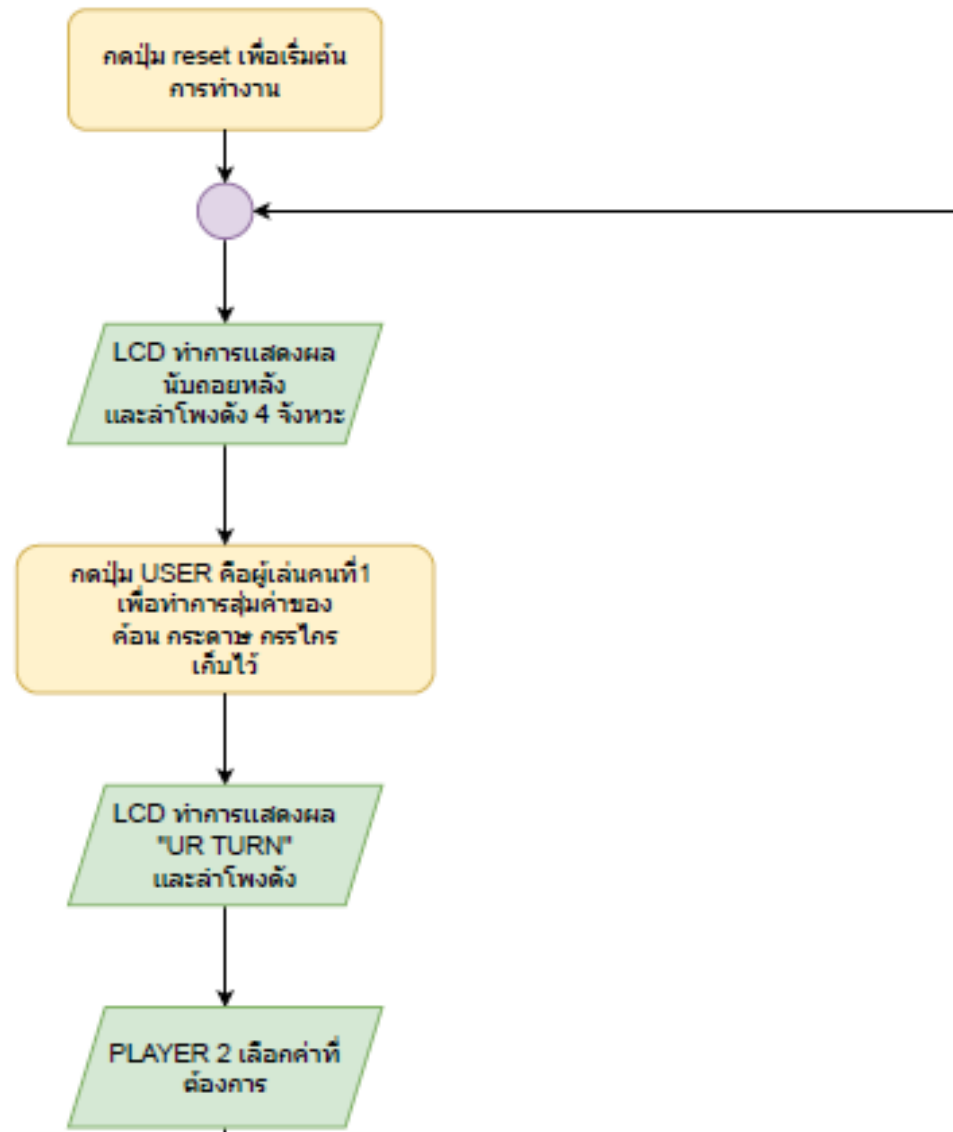


นาย ณัฐวัฒน์ สกุลปยานนท์  
รหัส 1911310363  
เขียนโปรแกรม

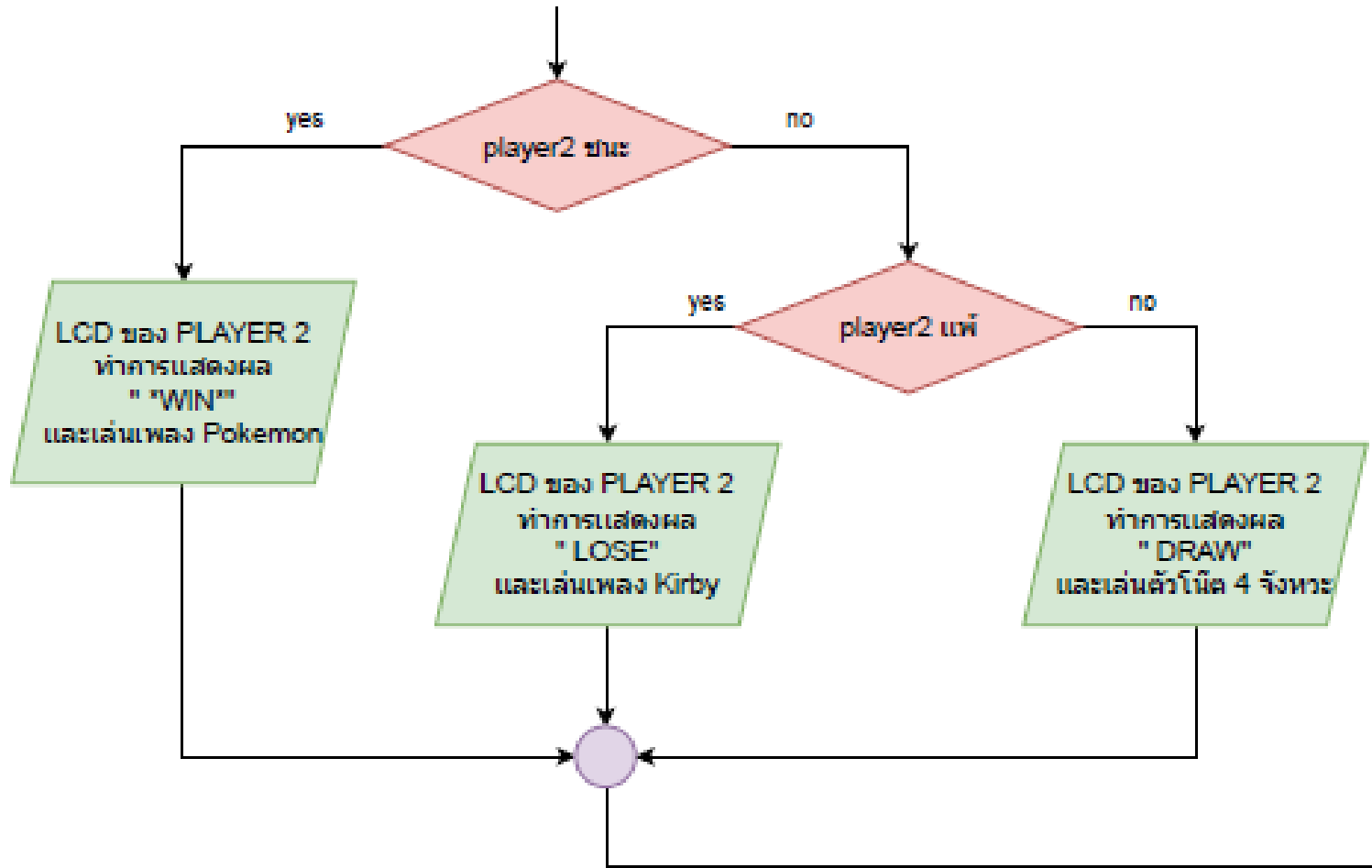


นาย วชิระ ตันไพศาล  
รหัส 1911310389  
Hardware

# Overall Workflow



# Overall Workflow



# TOOLS



STM32L152RB



USER BUTTON



SPEAKER

# 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

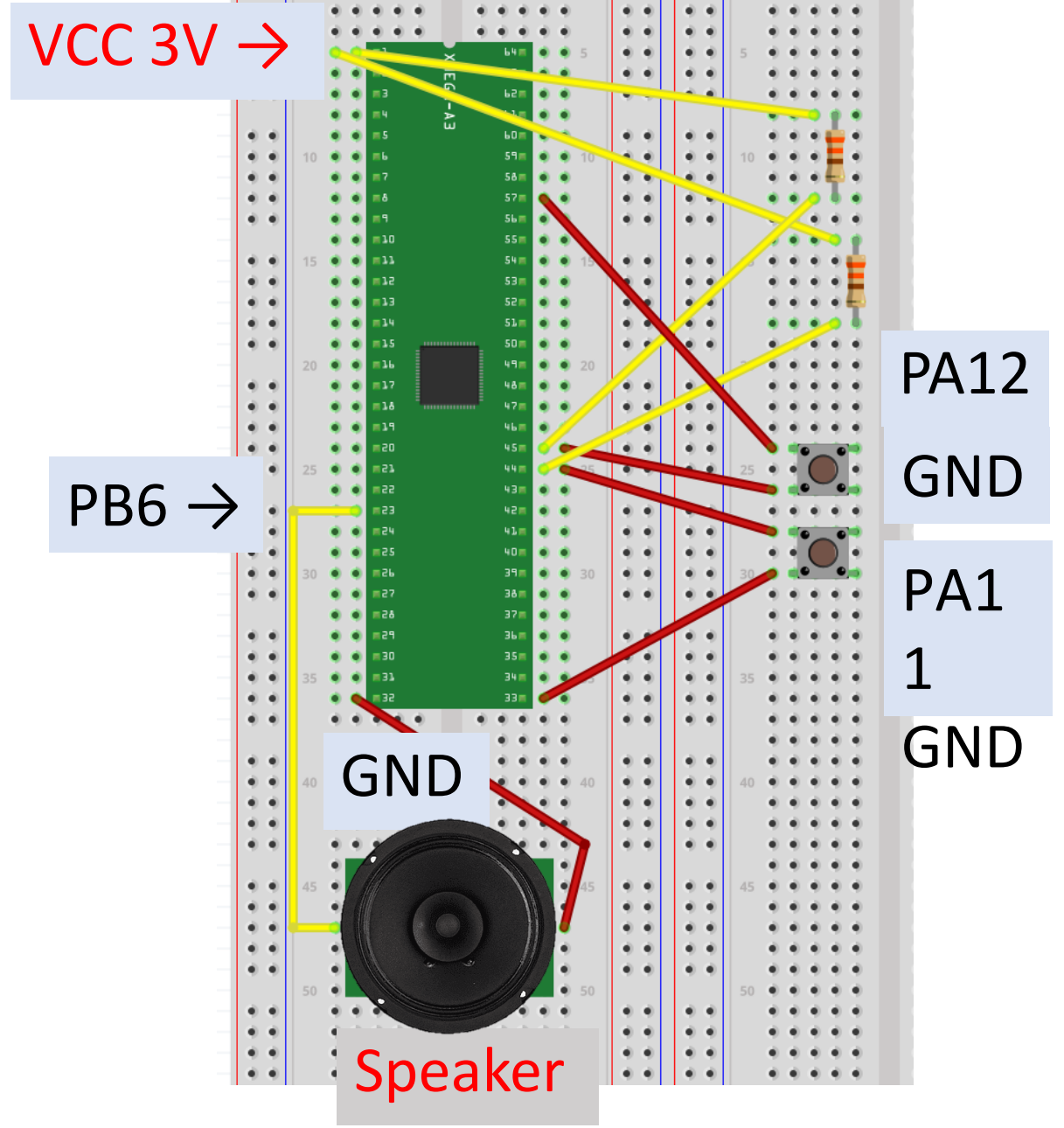
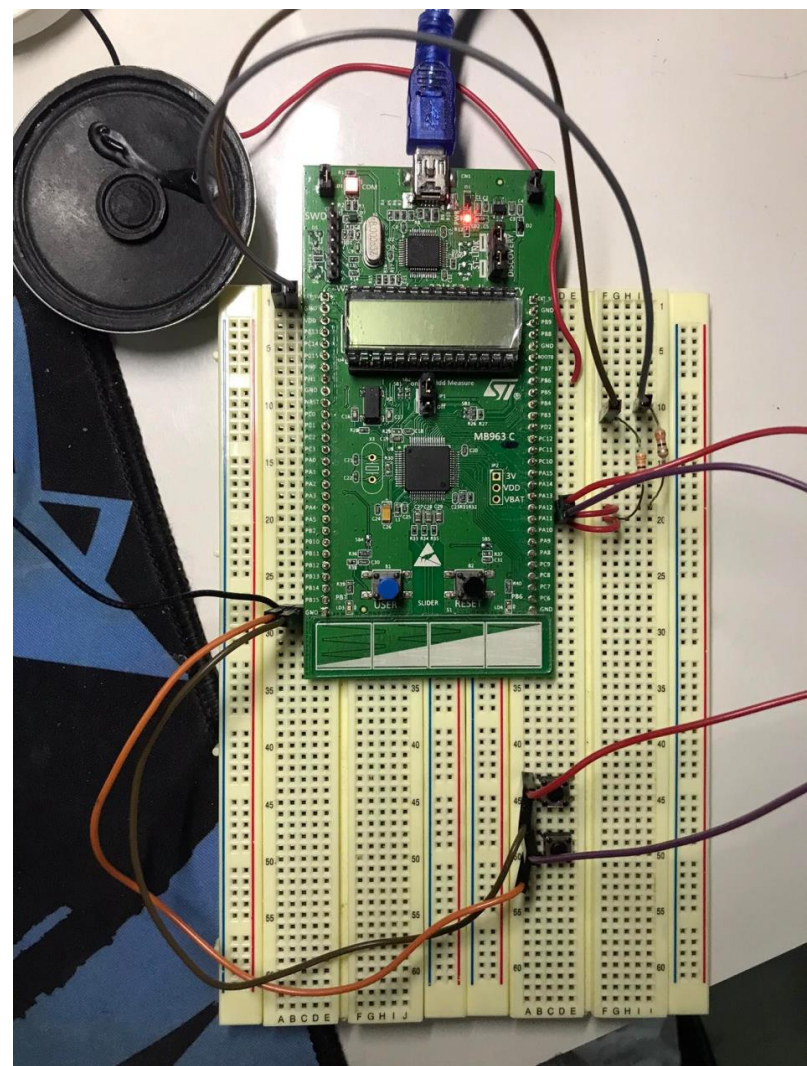
 Push Button

 No pin out

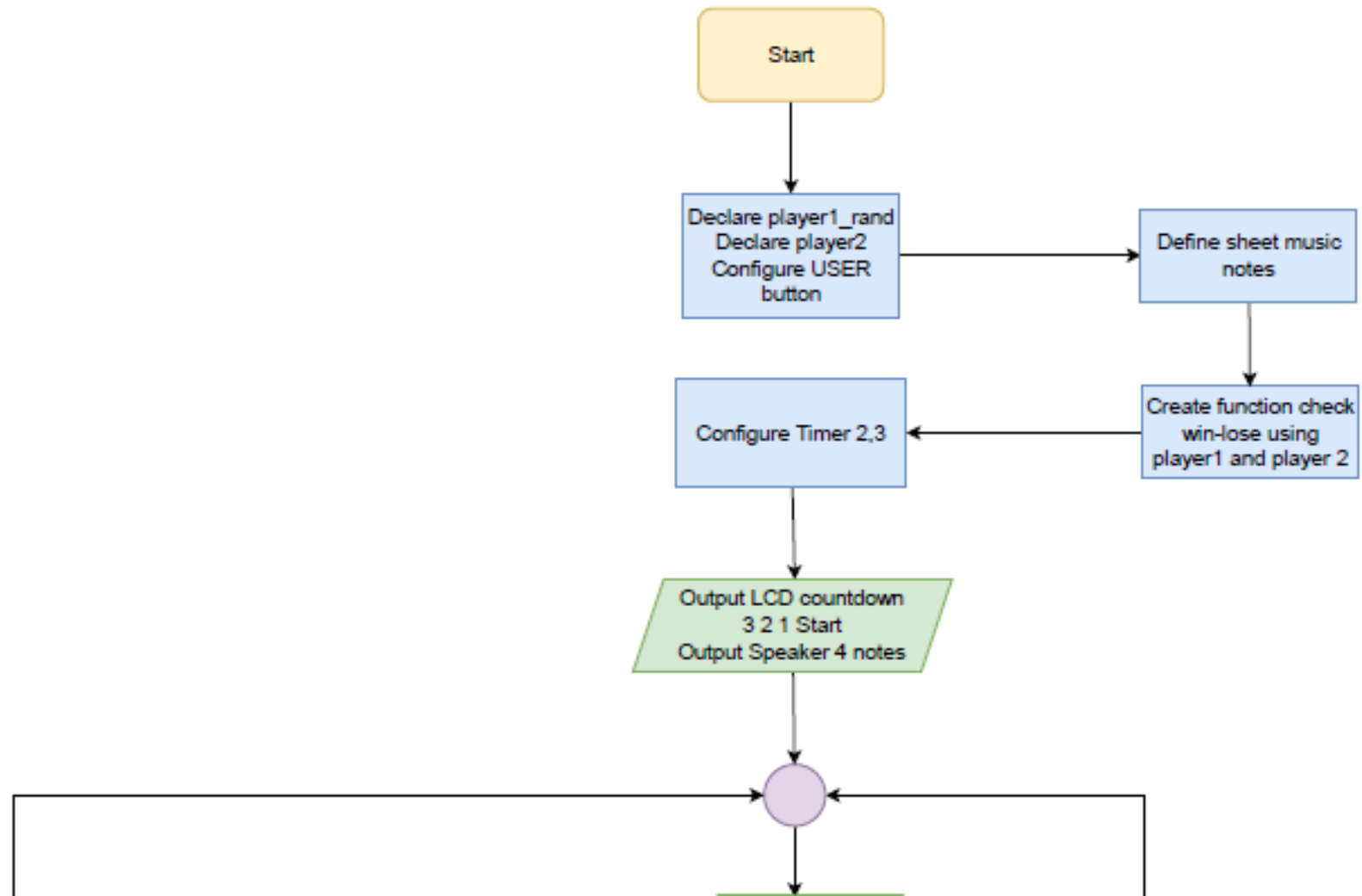
 USER Button



# Hardware + Circuit

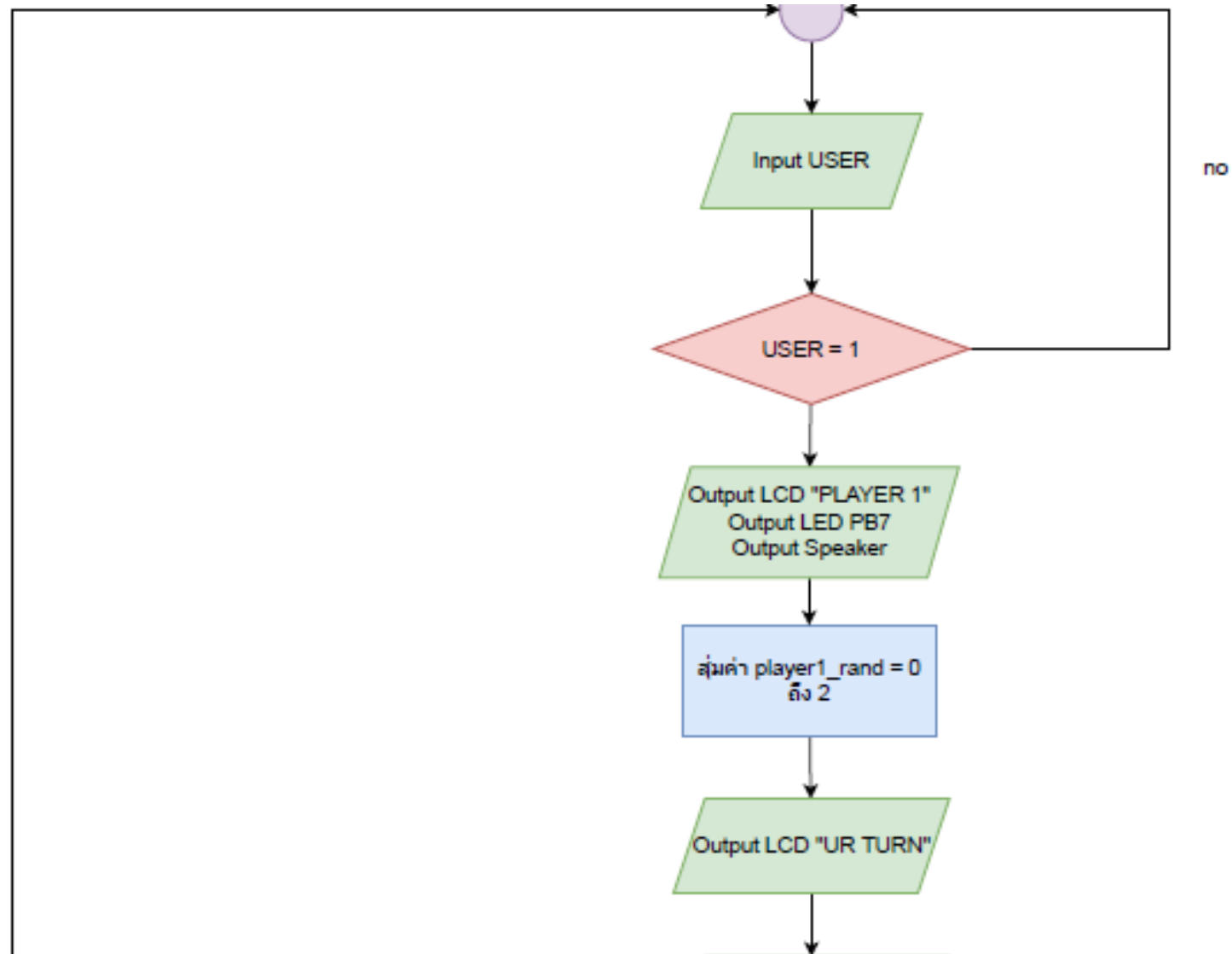


# Coding flowchart

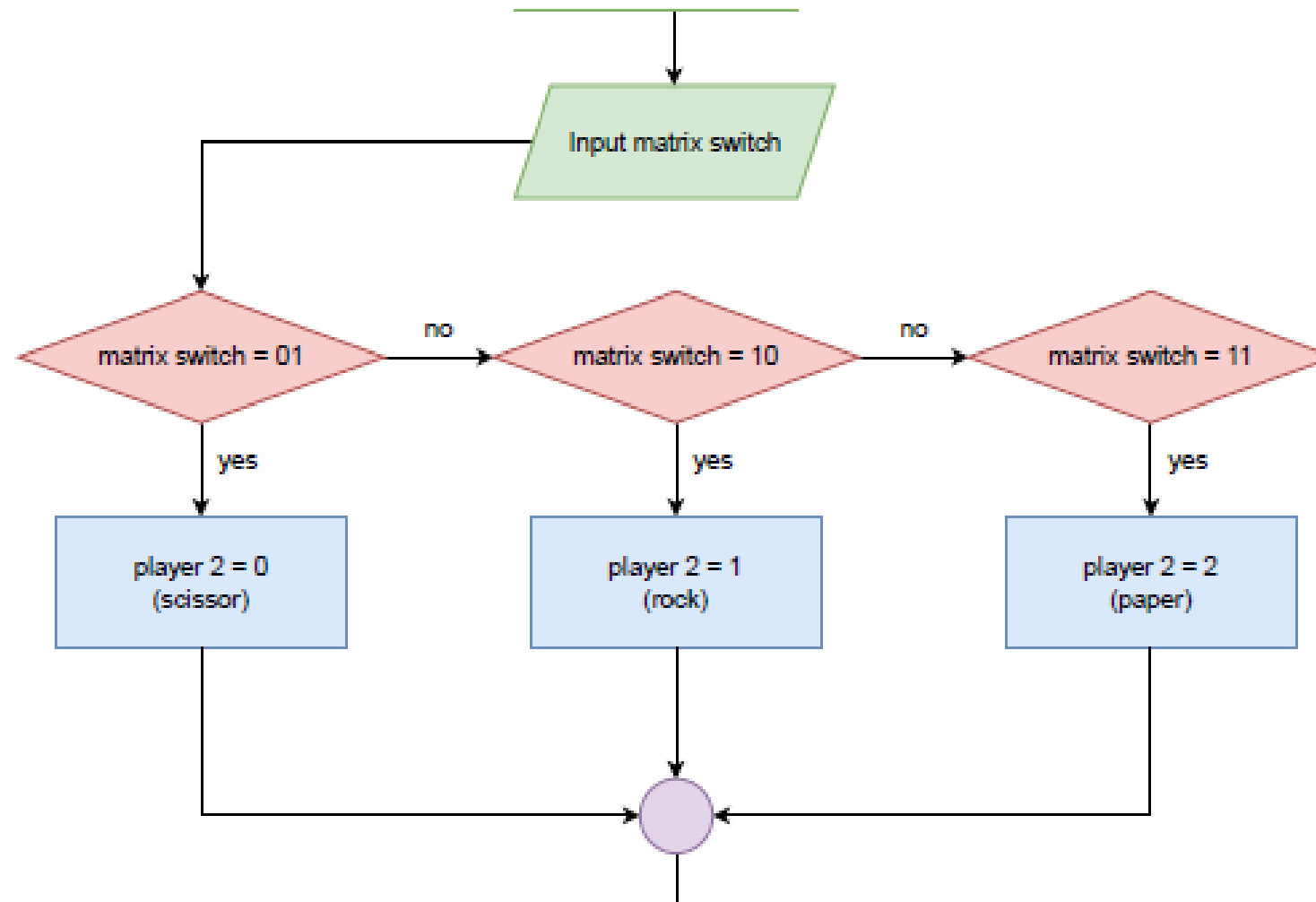




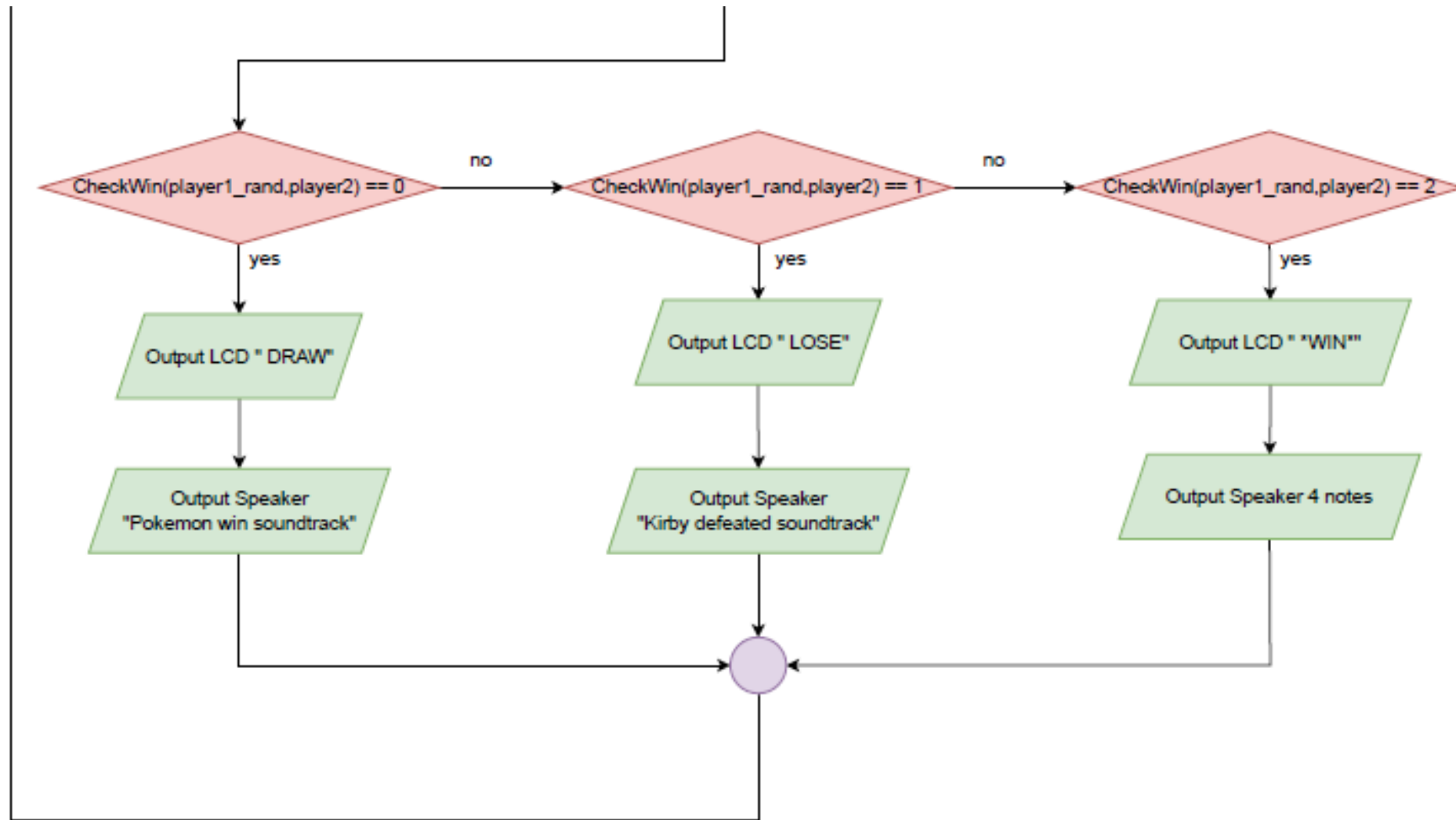
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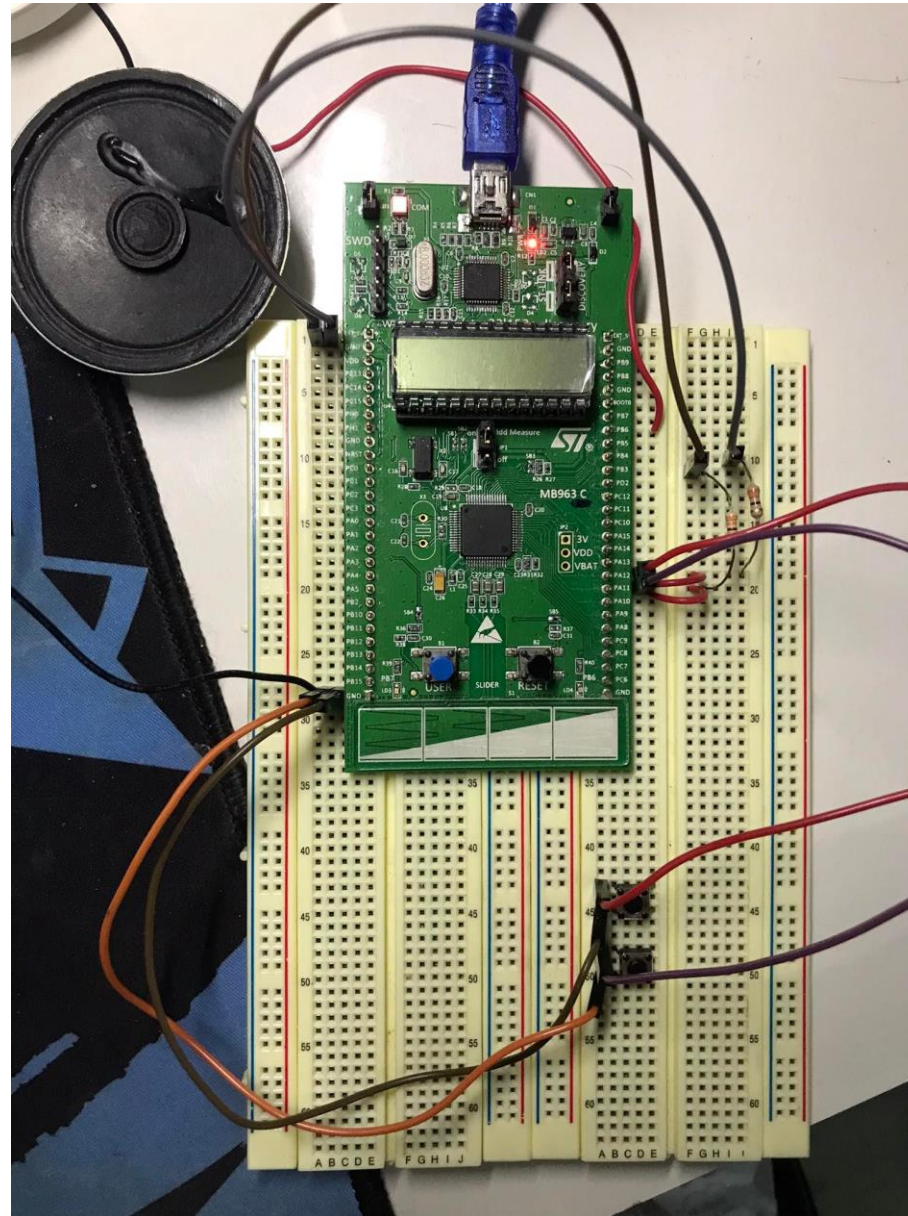
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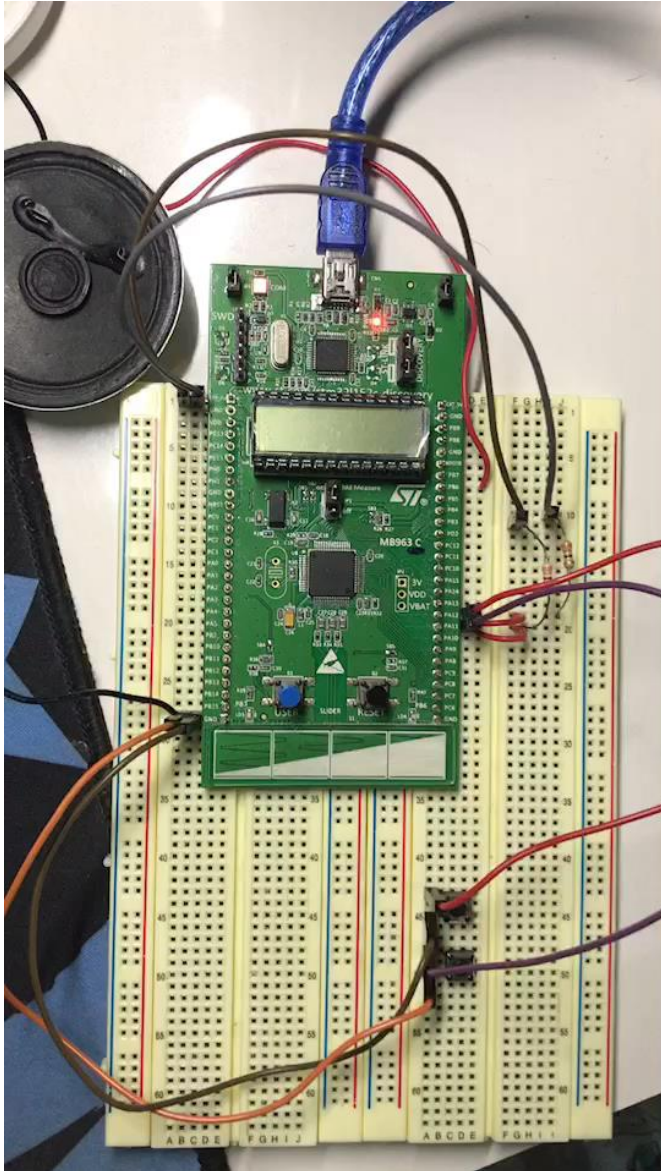


# Coding flowchart



# 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																												
Architectural design	Everyone																												
Start coding	Harit																												
Config coding	Wachira																												
Sheetnote	Pornwara																												
Merge code	Everyone (espicailly 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



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Q & A

