



Tic Tac Toe

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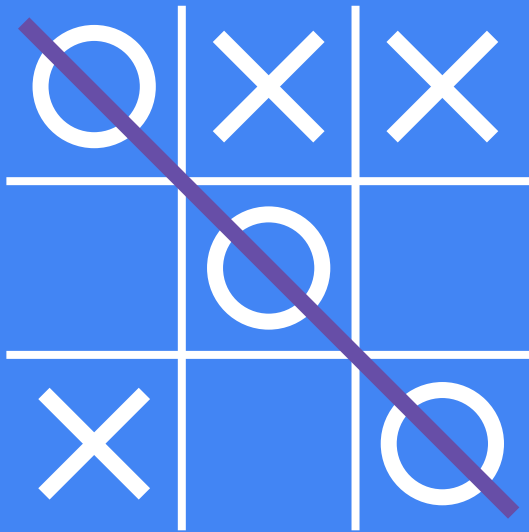
Background

The entertainment industry flourished during COVID-19.

- Netflix's stock up 30% and gained millions of new subscribers
- Video games sales soar
- COD: Warzone gained 30 million players in 10 days



Objective

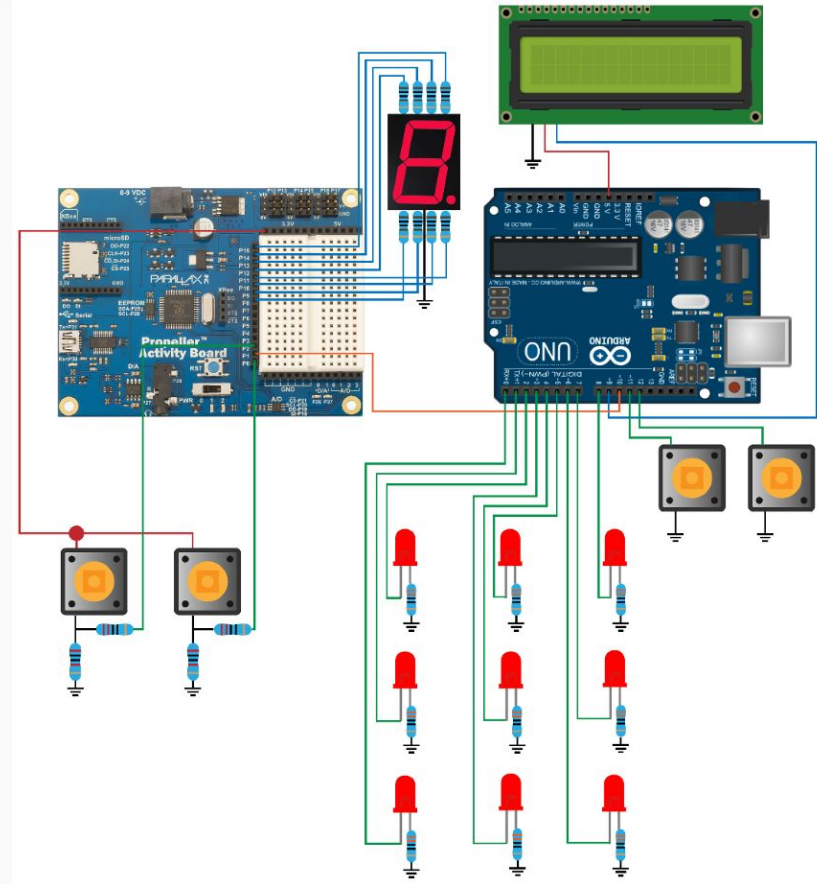


The **objective** is to develop a game by utilizing two microcontrollers to enhance user interaction and achieve better performance.

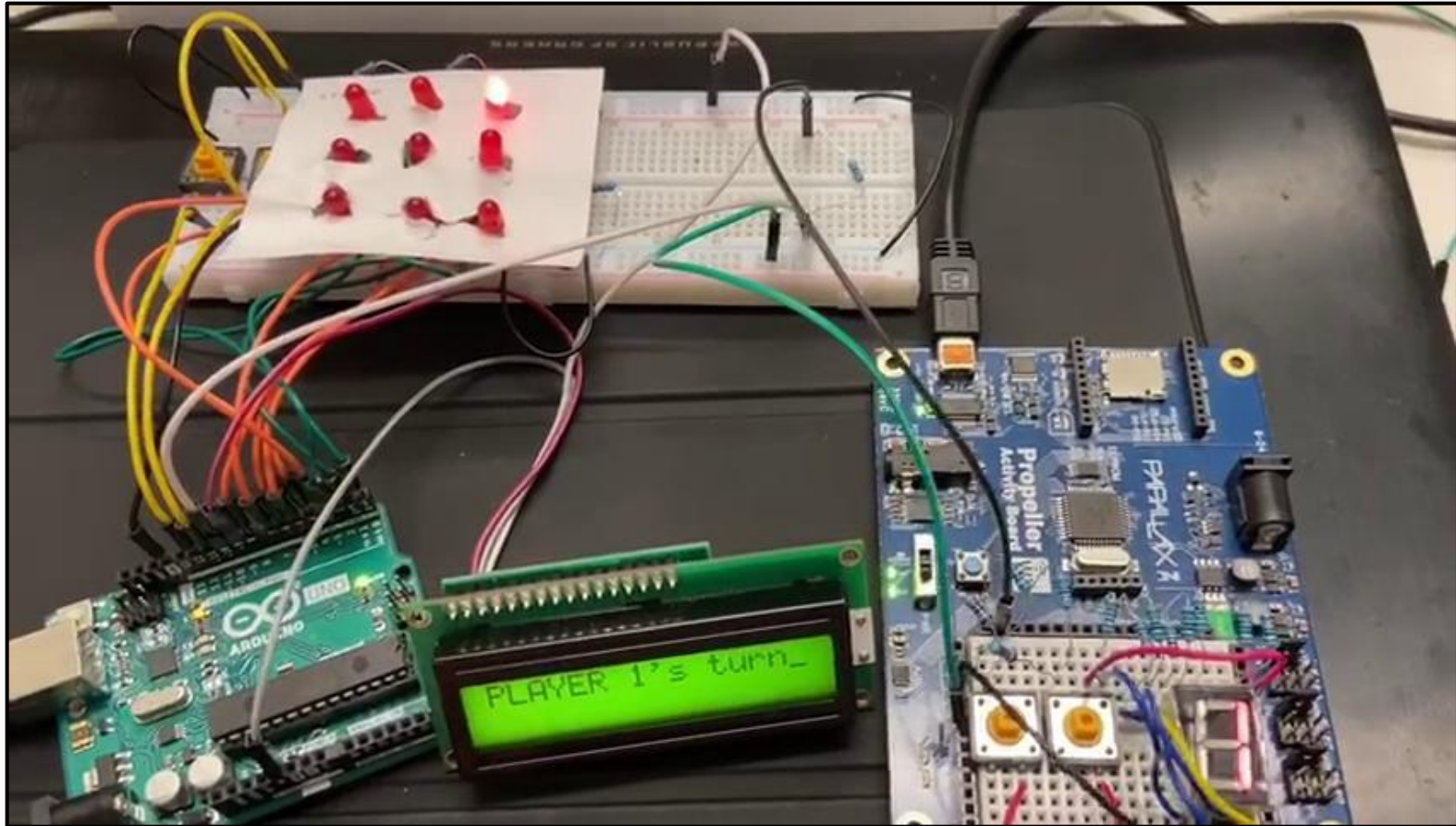
Rules of *Tic Tac Toe*

- 2 players choose between Xs or Os
- They take turns to draw in a 3x3 grid
- First player to draw his/her respective symbol horizontally, vertically, or diagonally wins!

Circuit Diagram



Demo



Quantity	Electronic Part	Cost
1	Arduino Uno	\$20.00
1	Propeller Activity Board	\$79.00
4	Push Buttons	\$0.15
1	LCD	\$8.99
9	LEDs	Free
1	7-Segment Display	\$0.60
Total		\$108.74

References

1. <https://www.cnbc.com/2020/04/03/video-games-sales-soar-as-coronavirus-leaves-millions-trapped-at-home.html>
2. <https://metro.co.uk/2020/04/22/netflix-confirms-surge-users-says-coronavirus-will-affect-content-12592273/>
3. <https://towardsdatascience.com/tic-tac-toe-creating-unbeatable-ai-with-minimax-algorithm-8af9e52c1e7d?gi=349d398ece62>

Thank You!

Comments or questions?