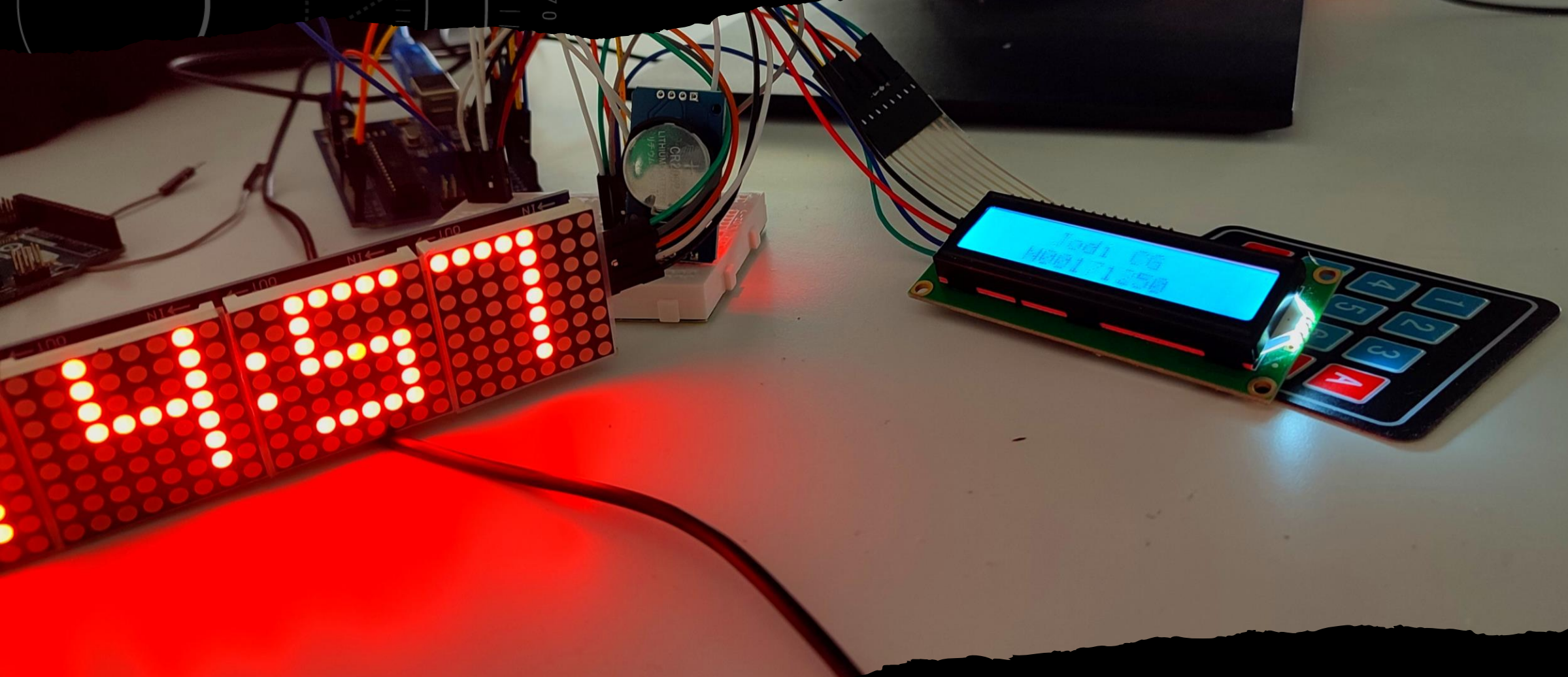


ALARM SYSTEM

FINAL PROJECT PRESENTATION

JODI CARROLL GREALLY - N00171250



DOMESTIC TECHNOLOGY

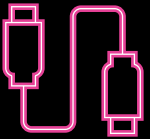
Last year, my project “Forget me not” was in the area of domestic technology. This year will be a continuation of that, as I develop another piece of technology that can be used in the household.

Let's go back to the first thing you do to start your day, before you hurry out the door forgetting your keys. Wake up. Are you like me and find it difficult to get out of bed in the morning? Your alarm will go off at 8 a.m., you turn it off, rollover, and before you know it, it's half ten and you're late! This means your entire day is off to a bad start.



Technology

Alarm Clock



Arduino



4-Digit
7-Segment
Display



3W Mini Speakers



Matrix display



Push Button



Tilt Switch



LED



RTC Module

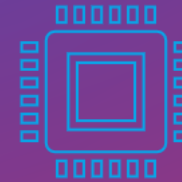
Challenge



Load Cell



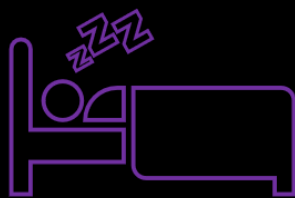
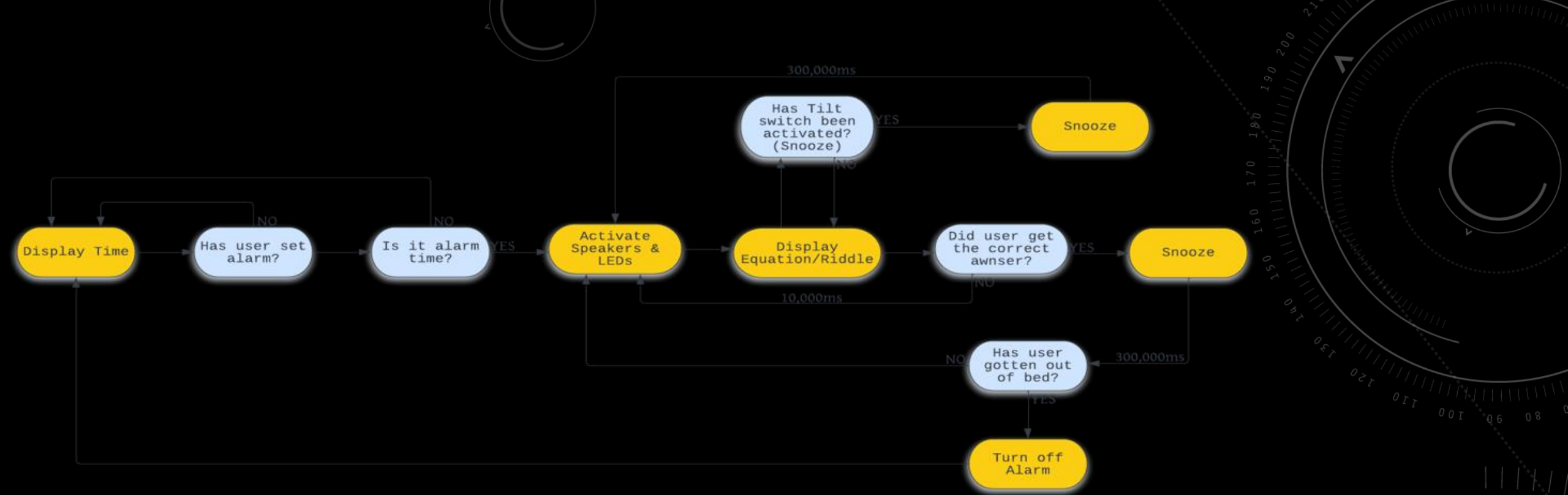
4X4 Matrix
Keypad



HX711



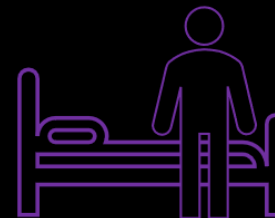
LCD Screen



User sets alarm before bed
 Buzzer goes off at set time
 One snooze is allowed



User will complete puzzle
 or challenge to wake up
 Alarm will turn off when
 challenge is complete



The challenge will wake up
 the user ensuring they
 don't keep hitting snooze
 Good start to the day



