Phase A – Proof of Concept

Kitchen Timer

Project requirements:

* Can be set to up to 100 minutes
* can increment/decrement by 1 second, 10 seconds, 30 seconds, 1 minute, 10 minutes, 30 minutes.
* Plays loud sound when timer runs out
* Needs a display

Components Selection:

* Pushbutton: <https://www.amazon.com/6x6x6mm-Momentary-Push-Button-Switch/dp/B01GN79QF8/ref=sr_1_13?crid=FILWNJFP7R4K&keywords=arduino+push+button&qid=1680029854&sprefix=arduion+pushbutton%2Caps%2C99&sr=8-13>
* 7 segment display
* Buzzer
* LEDs