Shannon’s Research

Microcontroller:

Arduino Uno Nano

<https://store-usa.arduino.cc/products/arduino-nano?selectedStore=us>

<https://www.amazon.com/Arduino-Nano-Every-Single-Board/dp/B07VX7MX27/ref=sr_1_4?keywords=arduino+nano&qid=1686605628&s=electronics&sprefix=arduino+%2Celectronics%2C344&sr=1-4> (Cheapest)

LED Display:

<https://www.amazon.com/GeeekPi-Character-Backlight-Raspberry-Electrical/dp/B07S7PJYM6/ref=sr_1_4?crid=20DPVP1N5WB2K&keywords=arduino+nano+display&qid=1686605677&s=electronics&sprefix=arduino+nano+display%2Celectronics%2C109&sr=1-4>

Turn knob:

<https://www.amazon.com/s?k=Rotary+Encoder&camp=1789&creative=9325&linkCode=xm2&linkId=9c1e0d16e8cc068a399737383493c546&tag=zhut01-20&ref=as_li_qf_sp_sr_il_tl>

Alarm Ringer:

<https://www.amazon.com/dp/B01FVZQ6F6/ref=sspa_dk_detail_4?psc=1&pd_rd_i=B01FVZQ6F6&pd_rd_w=6bcMm&content-id=amzn1.sym.0d1092dc-81bb-493f-8769-d5c802257e94&pf_rd_p=0d1092dc-81bb-493f-8769-d5c802257e94&pf_rd_r=CZHFFSP2F00ECVDV6GDP&pd_rd_wg=VLcuL&pd_rd_r=452c966f-3707-4d55-8b1e-d11a7eab39bb&s=electronics&sp_csd=d2lkZ2V0TmFtZT1zcF9kZXRhaWwy>

Extra research:

<http://thezhut.com/?page_id=1126>

<https://www.youtube.com/watch?v=rzxisoU9D6c&t=647s>

<https://www.makeuseof.com/raspberry-pi-pico-vs-arduino-nano-best-for-project/>