Mini-Project: Reaction Test

Create a program that measures a person’s reaction time using an LED and button.

Suggested Prerequisites
• Programming Intro
• Loops

Specification
• The program should begin in an idle state. (nothing is happening).
• Then an LED should turn on at an unpredictable time.
  o You can use the `random()` function within Energia.
• Once the LED turns on, the user should press a button.
• The program calculates the milliseconds between when the LED turned on and when the button is pressed.
  o You can use the `millis()` function within Energia.
• This result should be displayed to the user with the Serial Monitor.
• Use the RESET button to restart the program.
• Do not put any code inside the `loop()` function.