USER ACCEPTANCE TESTING:

PROJECT TITLE :
IoT Based Safety Gadget for Child Safety Monitoring and Notification

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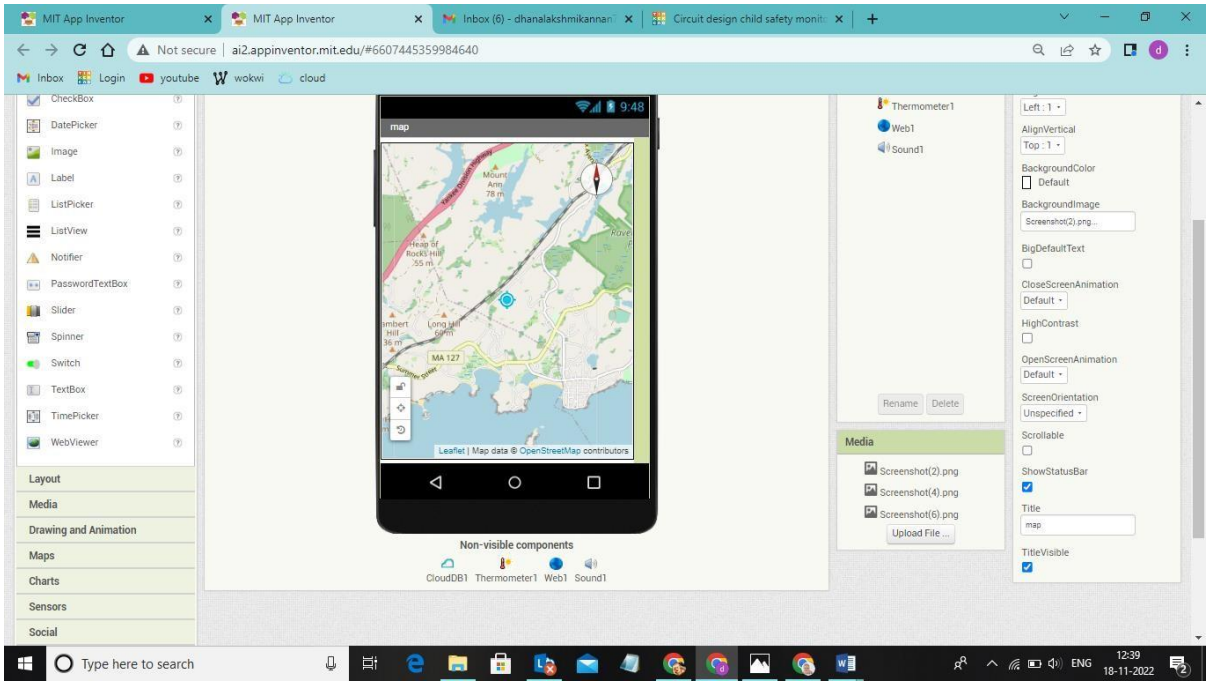
USER ACCEPTANCE TESTING(UAT):

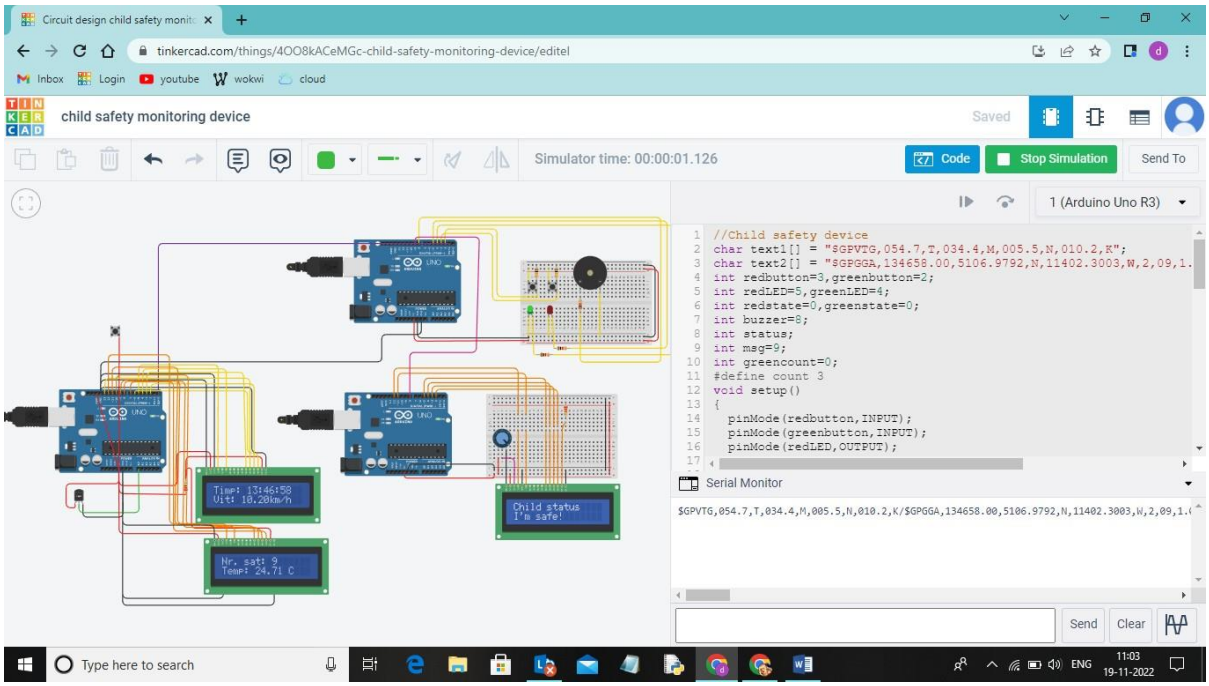
User Acceptance Testing (UAT) is **a type of testing performed by the end user or the client to verify/accept the software system before moving the software application to the production environment**. UAT is done in the final phase of testing after functional, integration and system testing is done.

UAT EXECUTION:

To locate the child safety



To workflow on the diagram:



Utilization of testing tools:

	A	B	C	D	E	F
1	Name	Quantity	Component			
2	U1, U3, U7	3	Arduino Uno R3			
3	PIEZO1	1	Piezo			
4	S1, S2, S3	3	Pushbutton			
5	R1, R2	2	10 kΩ Resistor			
6	D1	1	Green LED			
7	R3, R4, R5	3	1 kΩ Resistor			
8	D2	1	Red LED			
9	U5, U6, U4	3	LCD 16 x 2			
10	U8	1	Temperature Sensor [TMP36]			
11	R8, R6	2	220 Ω Resistor			
12	Rpot4	1	250 kΩ Potentiometer			
13						
14						

ARUDINO UNO3 :

Programs can be loaded on to it from the easy-to-use Arduino computer program.

PIEZO
:

To use the speakers , medical sectors

PUSH BUTTON:

The push button switch is usually used **to turn on and off the control circuit**, and it is a kind of control switch appliance that is widely used.

RESISTOR:

To lower the flow of current, divide voltages, block transmission signals, and bias active elements.

LED:

The high efficiency and directional nature of LEDs makes them ideal for many industrial uses

TEMPARATURE SENSOR:

Temperature sensors are devices used **to measure temperature in solids, liquids or gases**. They are used within industrial applications and have many more commercial uses. Most of the temperature sensors we supply monitor temperature by measuring the change in resistance of an electrical current.

POTENTIO METER:

The potentiometer is an instrument used for **measuring the unknown voltage by comparing it with the known voltage**. It can be used to determine the emf and internal resistance of the given cell and also used to compare the emf of different cells. The comparative method is used by the potentiometer.