**NOISE POLLUTION MONITORING PHASE\_4**

In the previous phases, we have made a document about the components, code, principle that required for our project. In phase\_4, it’s about the **app that interconnects with the Arduino.**

**APP MAKING:**

We are going to use the **MIT app** inventor for creating our app. In the first part, we need to create a layout and add the **following components**

* A list picker
* A text level
* 2 button
* 1 text view
* Sound recorder
* Tiny DB
* Bluetooth client

**CONNECTION:**

**Arduino Nano**  **Components**

* Pin A7 - Sound Sensor Out
* 5v - VCC Bluetooth & Sound sensor
* GND - GND Bluetooth & Sound senor
* D4 - RX
* D3 - TX
* D12 - Buzzer VCC
* GND - Buzzer GND

**TESTING:**

For testing we need to power the Arduino and connect the Bluetooth with the app. After making connection, we can test it by making loud noises. When the sound level crosses the threshold value, the Noise Detector device will buzz to notify about it and at the same time the app will start recording the sound and it will go on recording until the noise level comes down below the threshold level.