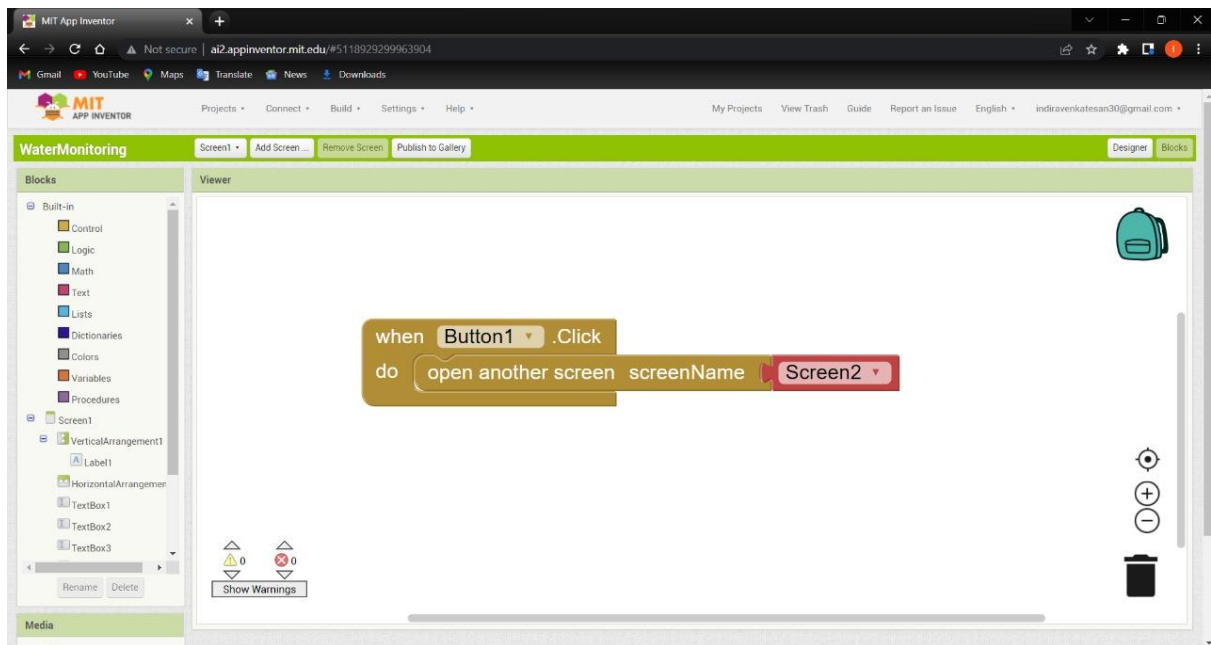


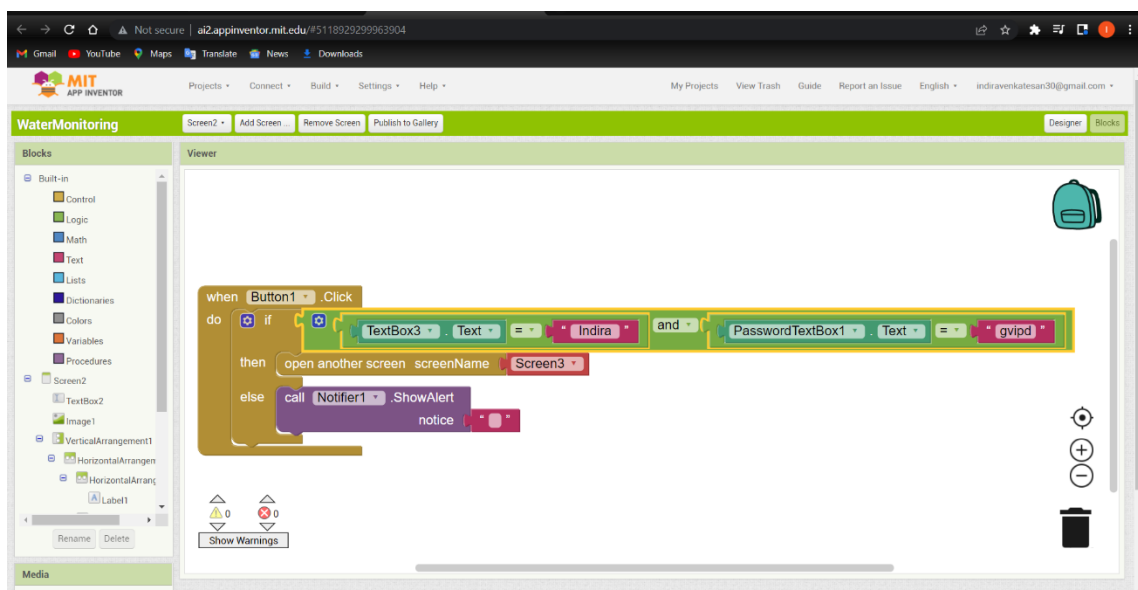
CODE BLOCKS FOR THE MIT APP (BACKEND OF THE APP)

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SCREEN 1



SCREEN 2



SCREEN 3

The screenshot shows the MIT App Inventor web interface for an application named "WaterMonitoring". The interface is divided into several panes:

- Blocks:** A list of available building blocks categorized into Built-in, Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures, and Screens. The "Screens" category is expanded, showing "Screen3" and its sub-components: "VerticalArrangement1", "HorizontalArrangement", "Label1", and "Label2".
- Viewer:** The main workspace for designing the app's visual layout. It shows a clock component (Clock1) with an "Inner" block. Below it, a "Web1" component is configured with a URL and a "Get" block. A "Web1" component is also shown with a "GoToText" block. The "Web1" component is connected to a "do" block that contains three "set" blocks for "Label3", "Label5", and "Label7". Each "set" block is connected to a "look up in pairs" block, which is then connected to a "call Web1" block. The "look up in pairs" block has a "key" property set to "Temperature", "pH", and "Turbidity" respectively. The "call Web1" block is connected to a "jsonText" block, which is then connected to a "get responseContent" block.
- Media:** A pane at the bottom showing a background image named "background.jpg".

The "Web1" component is configured with the following properties:

- URL: <https://node-red-xinf-2022-11-11-au-syd.mybluem...>
- GoToText: <https://node-red-xinf-2022-11-11-au-syd.mybluem...>

The "do" block contains the following logic:

```
do
  set Label3 . Text to look up in pairs key Temperature
  pairs call Web1 . JsonTextDecode jsonText get responseContent
  not found not found
  set Label5 . Text to look up in pairs key pH
  pairs call Web1 . JsonTextDecode jsonText get responseContent
  not found not found
  set Label7 . Text to look up in pairs key Turbidity
  pairs call Web1 . JsonTextDecode jsonText get responseContent
  not found not found
```