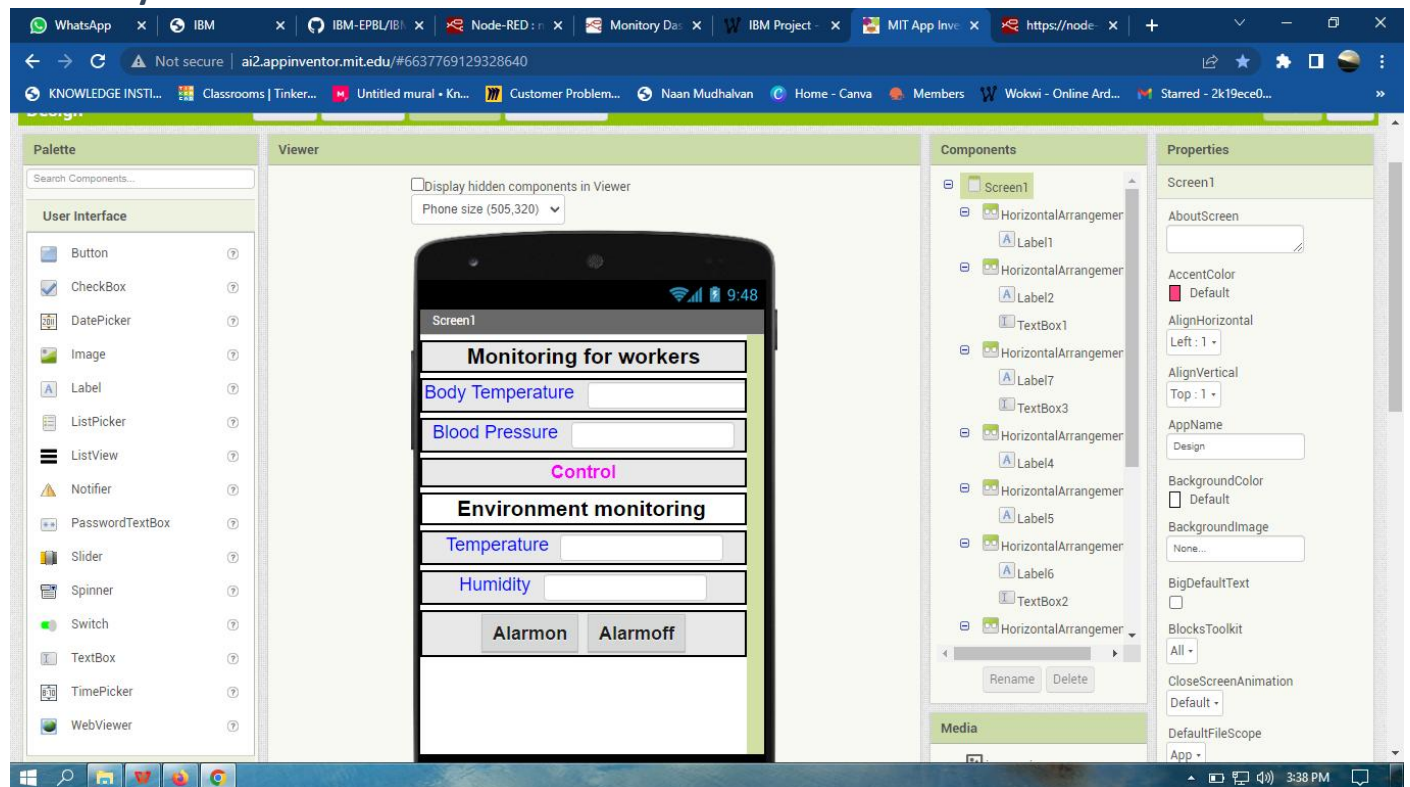


BUILDING MOBILE APP

Date	16 November 2022
Team ID	PNT2022TMID30240
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

Design Your UI To Display The Temperature, Humidity



Configure The Application To Receive The Data From Cloud.

The screenshot shows the MIT App Inventor Monitory interface. The left sidebar contains a 'Blocks' panel with categories like Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The 'Screen3' section is expanded, showing components like HorizontalArranger, Label, VerticalArrangement, and TextBox. The main 'Viewer' area displays a visual programming script:

- A 'when Clock1.Timer' block triggers a 'do' block.
- The 'do' block contains:
 - 'set Web1.Url to' with the value 'https://node-red-zhcmv-2022-10-30.eu-gb.mybluemix.io/'
 - 'call Web1.Get'
- Below this is a 'when Web1.GotText' block with a 'do' block containing:
 - 'set TextBox1.Text to' with a 'look up in pairs' block.
 - The 'look up in pairs' block has a 'key' of 'temperature' and a 'pairs' block.
 - The 'pairs' block is a 'call Web1.JsonTextDecode' block with a 'jsonText' block.
 - The 'jsonText' block is connected to a 'get responseContent' block.
 - A 'notFound' block with the value 'not found' is connected to the 'pairs' block.
- Below this is another 'set TextBox2.Text to' block with a 'look up in pairs' block.
- The 'look up in pairs' block has a 'key' of 'heartrate' and a 'pairs' block.
- The 'pairs' block is a 'call Web1.JsonTextDecode' block with a 'jsonText' block.
- The 'jsonText' block is connected to a 'get responseContent' block.
- A 'notFound' block with the value 'not found' is connected to the 'pairs' block.

The bottom status bar shows the time as 3:42 PM.

The screenshot shows the MIT App Inventor Monitory interface, similar to the first one, but with a different configuration. The 'Viewer' area displays a visual programming script:

- A 'when Clock2.Timer' block triggers a 'do' block.
- The 'do' block contains:
 - 'set Web3.Url to' with the value 'https://node-red-zhcmv-2022-10-30.eu-gb.mybluemix.io/'
 - 'call Web3.Get'
- Below this is a 'when Web3.GotText' block with a 'do' block containing:
 - 'set TextBox3.Text to' with a 'look up in pairs' block.
 - The 'look up in pairs' block has a 'key' of 'Temperature' and a 'pairs' block.
 - The 'pairs' block is a 'call Web1.JsonTextDecode' block with a 'jsonText' block.
 - The 'jsonText' block is connected to a 'get responseContent' block.
 - A 'notFound' block with the value 'not found' is connected to the 'pairs' block.
- Below this is another 'set TextBox4.Text to' block with a 'look up in pairs' block.
- The 'look up in pairs' block has a 'key' of 'Humidity' and a 'pairs' block.
- The 'pairs' block is a 'call Web1.JsonTextDecode' block with a 'jsonText' block.
- The 'jsonText' block is connected to a 'get responseContent' block.
- A 'notFound' block with the value 'not found' is connected to the 'pairs' block.

The bottom status bar shows the time as 3:42 PM.

Configure The Mobile App For Controlling Motor Using Buttons.

