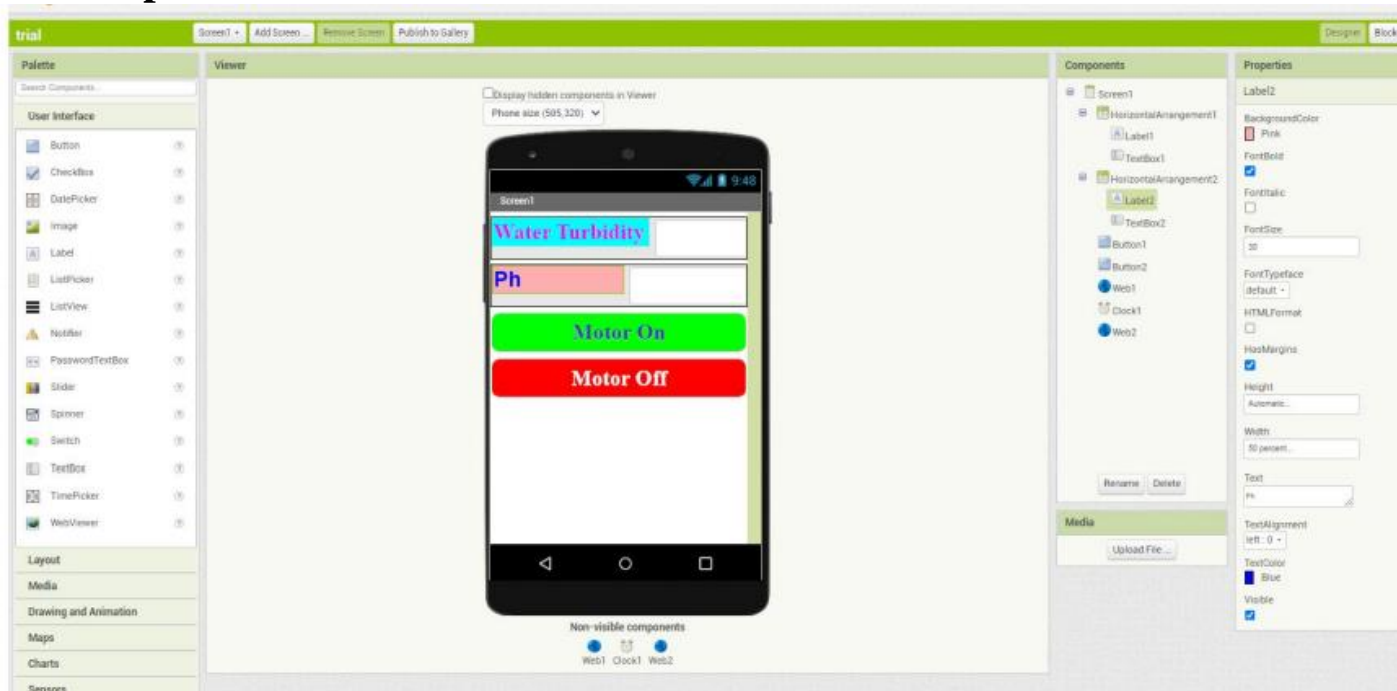


Real-Time River Water Quality Monitoring and Control Systems

Here we will build a basic mobile application to show the sensor data.

Team ID	PNT2022TMID51580
Project Name	Real-Time Water Quality Monitoring And Control System

MIT output:



HTTP Output:

The screenshot displays the MIT App Inventor web interface. The left sidebar contains a 'Blocks' palette with categories like 'Unclassified', 'Colors', 'Variables', 'Procedures', and 'Media'. The 'Screen1' component is selected, showing a hierarchy of UI elements: 'HorizontalArranger' containing 'Label1', 'TextBox1', 'Label2', 'TextBox2', 'Label3', 'TextBox3', 'Label4', and 'TextBox4'. The main 'Viewer' area shows a visual programming script. The script begins with a 'when Clock1 Timer' block, followed by a 'do' block containing 'set Web1 Url to https://node-red-slpvg-2022-10-08-eu-gb.mybluemix.net/' and 'call Web1 Get'. Below this is a 'when Web1 GotText' block with a table of response handling logic. The table has columns for 'responseCode', 'responseType', and 'responseContent'. The logic uses 'look up in pairs' blocks to map specific response codes (200, 404) to keys ('temperature', 'Ph', 'oxygen', 'turbidity') and then uses 'call Web1 JsonTextDecode' and 'jsonText get responseContent' blocks to retrieve the data. The right sidebar includes a 'Designer' tab, a 'Blocks' icon, and a 'Show Warnings' button at the bottom.

```
when Web1 GotText
  responseCode  responseType  responseContent
do
  set TextBox1 Text to look up in pairs key temperature call Web1 JsonTextDecode jsonText get responseContent
  notFound not found
  set TextBox2 Text to look up in pairs key Ph call Web1 JsonTextDecode jsonText get responseContent
  notFound not found
  set TextBox4 Text to look up in pairs key oxygen call Web1 JsonTextDecode jsonText get responseContent
  notFound not found
  set TextBox3 Text to look up in pairs key turbidity call Web1 JsonTextDecode jsonText get responseContent
  notFound not found
```