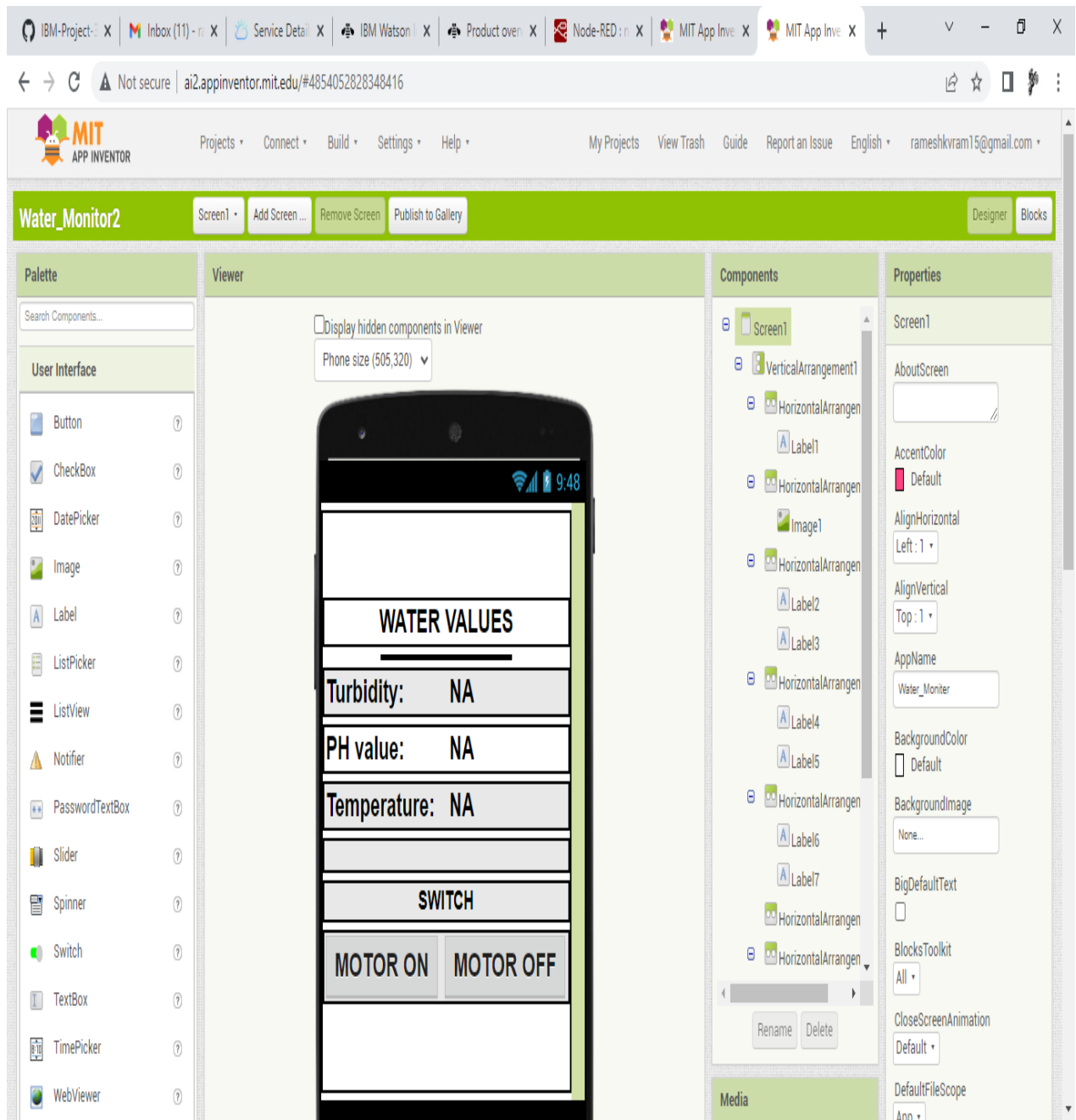


Configure the Mobile App for Controlling Motor using Buttons

Team ID	PNT2022TMID48312
Project Name	Real-time river water quality monitoring and control system

MIT app inventor:



NODE RED:

The screenshot displays the Node-RED web interface in a browser. The top navigation bar shows several open tabs, including 'IBM-Project-30582-16', 'Inbox (11) - rameshkv', 'Service Details - IBM', 'IBM Watson IoT Platform', 'Product overview of', and 'Node-RED: node-red'. The address bar shows the URL: `node-red-kdjpl-2022-11-10.eu-gb.mybluemix.net/red/#flow/cf8c8c7056d9f474`.

The main workspace is titled 'Node-RED' and shows a flow diagram. The left sidebar contains a 'filter nodes' search bar and two categories of nodes: 'common' and 'function'. The 'common' category includes nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' category includes 'function', 'switch', and 'change'.

The flow diagram consists of the following components and connections:

- Flow 1:** Contains a 'motor on' button, a 'motor off' button, and an 'IBM IoT' node (labeled 'connected'). Both buttons are connected to the 'IBM IoT' node. The 'IBM IoT' node is also connected to a 'msg.payload' node.
- Flow 2:** Contains a 'Turbidity' node, a 'PH' node, and a 'Temperature' node. These three nodes are connected to a 'msg.payload' node.
- Flow 3:** Contains a '[get] /command' node, a 'http' node, and a '[get] /data' node. The '[get] /command' node is connected to the 'http' node. The '[get] /data' node is connected to a 'web page' node, which is then connected to another 'http' node.

The right sidebar shows the 'debug' console, which displays the following log entries:

```
11/18/2022, 4:06:02 PM node:
b1177649bd5bd45a
iol-
2/type/Sensor_River_UP/Id/1234/evl/status/fmt/json
: msg.payload : number
98

11/18/2022, 4:06:03 PM node:
b1177649bd5bd45a
iol-
2/type/Sensor_River_UP/Id/1234/evl/status/fmt/json
: msg.payload : number
8

11/18/2022, 4:06:04 PM node:
b1177649bd5bd45a
iol-
2/type/Sensor_River_UP/Id/1234/evl/status/fmt/json
: msg.payload : number
64

11/18/2022, 4:06:22 PM node:
b1177649bd5bd45a
iol-
2/type/Sensor_River_UP/Id/1234/evl/status/fmt/json
: msg.payload : Object
{ Turbidity: 52, PHvalue: 7,
  temperature: 8 }
```

NODE RED Debug:



The screenshot displays the Node-RED web interface. At the top, there is a navigation bar with a 'Deploy' button and a hamburger menu. Below this, the 'debug' tab is selected. The main area shows a list of log entries for a node with ID 'b1177649bd5bd45a'. The logs are filtered to show 'all nodes' and 'all' messages. The log entries are as follows:

- 11/18/2022, 4:06:02 PM** node: b1177649bd5bd45a
iot-2/type/Sensor_River_UP/id/1234/evt/status/fmt/json
: msg.payload : number
98
- 11/18/2022, 4:06:03 PM** node: b1177649bd5bd45a
iot-2/type/Sensor_River_UP/id/1234/evt/status/fmt/json
: msg.payload : number
8
- 11/18/2022, 4:06:04 PM** node: b1177649bd5bd45a
iot-2/type/Sensor_River_UP/id/1234/evt/status/fmt/json
: msg.payload : number
64
- 11/18/2022, 4:06:22 PM** node: b1177649bd5bd45a
iot-2/type/Sensor_River_UP/id/1234/evt/status/fmt/json
: msg.payload : Object
▶ { Turbidity: 52, PHvalue: 7, temperature: 8 }