

Project Development PhaseSprint III

Date	13 November 2022
Team ID	PNT2022TMID35583
Project Name	Signs with Smart Connectivity for better road safety

Sprint Targets :

Sprint	Functional Requirement (Epic)	UserStory Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-6SSS	Displaying Temperature on the dashboard	13	Medium	Anusuya Hemananthini Meghaa Pragathii

CODE:

The screenshot displays the Node-RED web interface. At the top, a status bar indicates "Lost connection to server, reconnecting...". The main workspace shows a flow named "Flow 1" with the following components:

- An "inject" node connected to a "Hello Node-RED!" node.
- A "debug" node.
- A "complete" node.
- A "catch" node.
- A "status" node.
- A "link in" node.
- A "link call" node.
- A "link out" node.
- A "comment" node.
- An "IBM IoT" node (blue) with a "connected" status indicator.
- A "function" node (orange) connected to the "IBM IoT" node.

The "Edit function node" panel is open, showing the following JavaScript code:

```
1 var msgt = {};  
2 if(msg.payload.temp<0)  
3   msgt.payload = "It's snowy";  
4 else if(msg.payload.temp>=0 && msg.payload.temp<25)  
5   msgt.payload = "It's rainy";  
6 else  
7   msgt.payload = "It's sunny";  
8  
9 return msgt;
```

The "debug" console on the right shows the following log entries:

```
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:23 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:24 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:25 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:26 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:27 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }  
11/20/2022, 10:28:28 PM node: f2f2649a.0d0d98  
iot-2/type/abcdeid/98765/evt/Data/fmt/json :  
msg.payload: Object  
  { temp: 35.4, Humid: 40 }
```

Node-RED

Lost connection to server, reconnecting...

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

range

Hello Node-RED!

msg

IBM IoT

connected

func

func

Edit function node

Delete

Cancel

Done

Properties

Name

Setup

On Start

On Message

On Stop

```
1 var msgt = {};  
2  
3 msgt.payload = msg.payload.temp;  
4  
5 return msgt;
```

Enabled

debug

all nodes

all

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

11/20/2022, 10:28:23 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

11/20/2022, 10:28:24 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

11/20/2022, 10:28:25 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

11/20/2022, 10:28:26 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

11/20/2022, 10:28:27 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

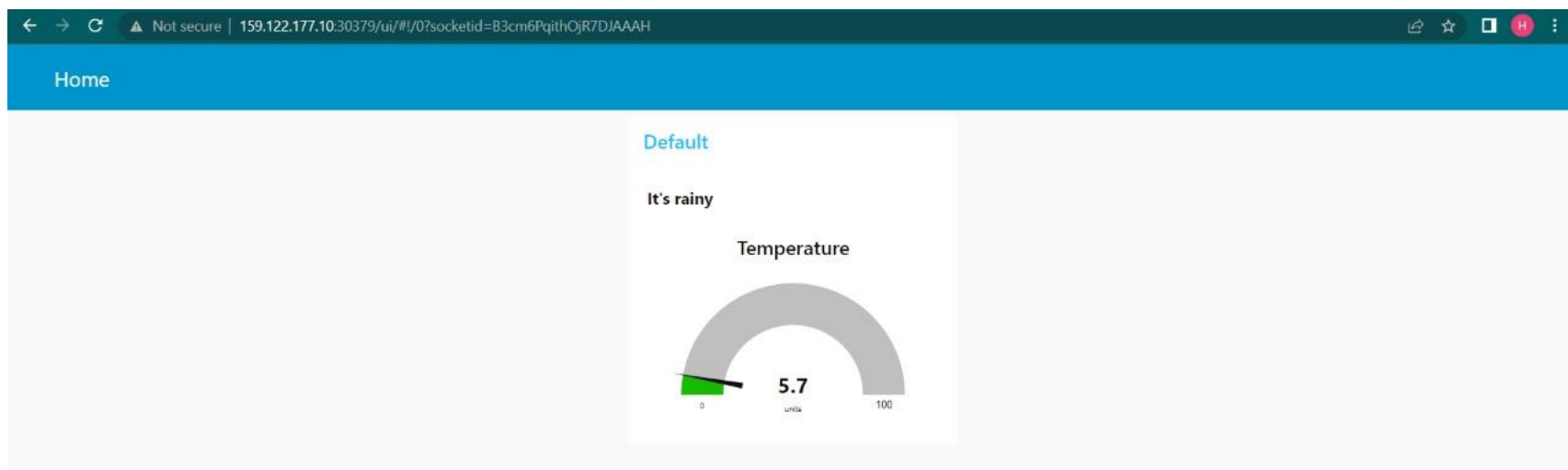
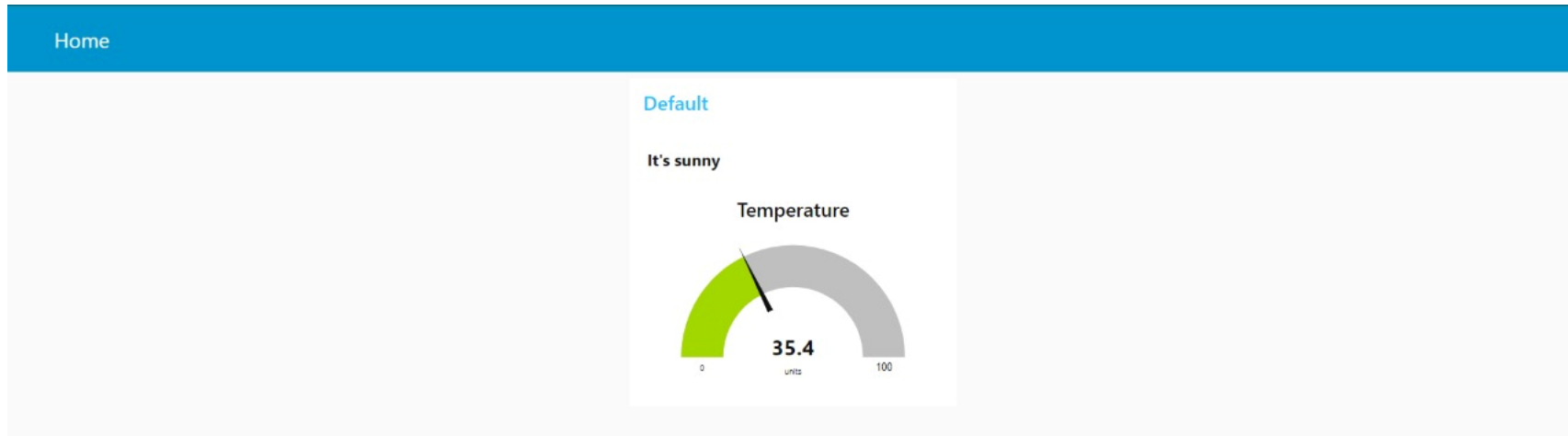
11/20/2022, 10:28:29 PM node: 12f2649a.0d0d98

iot-2/type/abcdeid/98765/evt/Data/tmt/json :

msg payload: Object

```
{ temp: 35.4, Humid: 40 }
```

UI:



Default

It's snowy

Temperature

