

SPRINT – 1

DATE	29 OCTOBER 2022
TEAM ID	PNT2022TMID52824
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

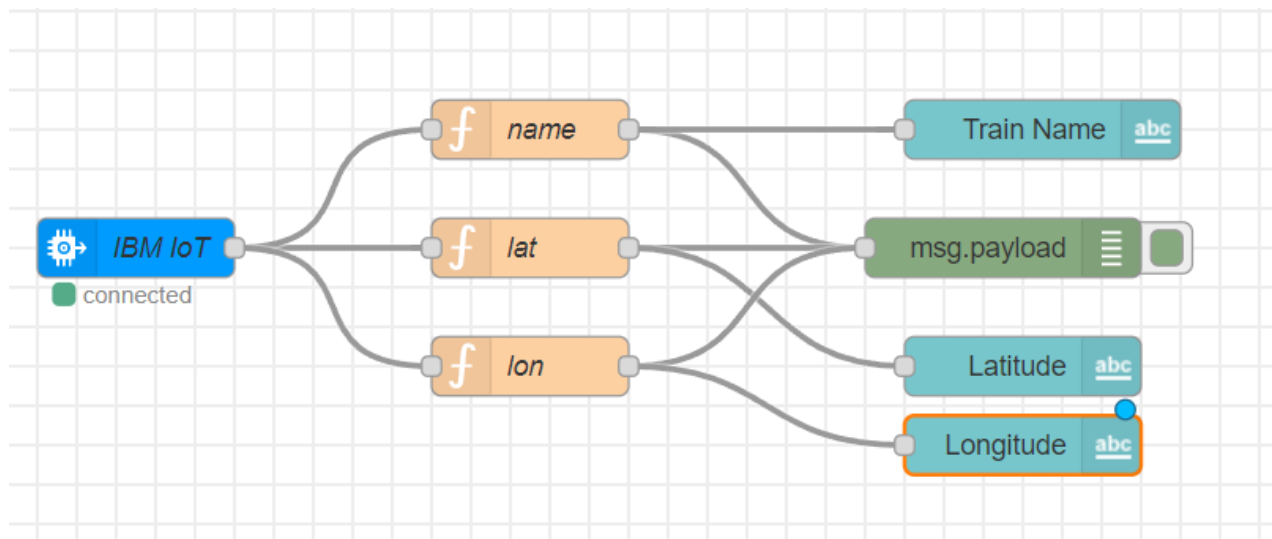
PROCEDURE:

Step1: Develop node red application

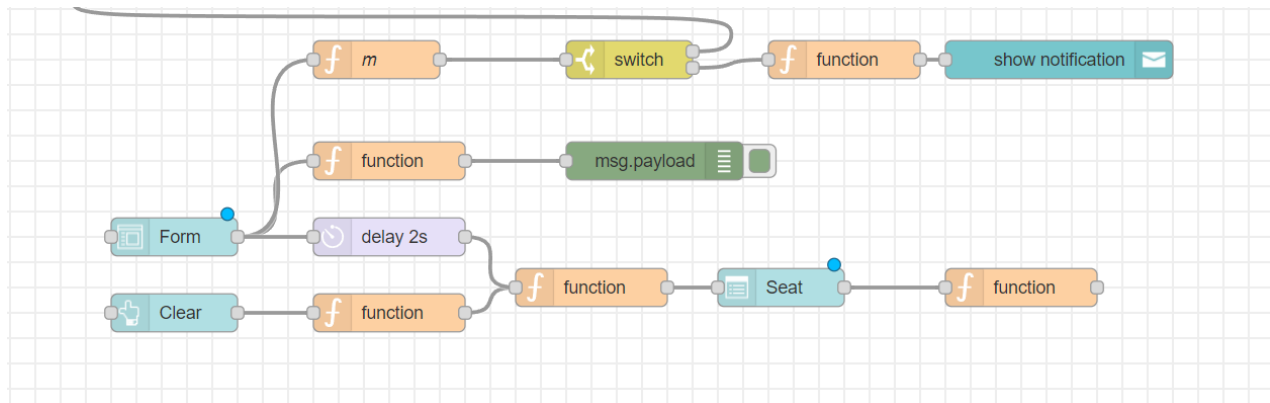
Step2: Install the required nodes from manage palette option

Step3: Connect the node flow

WEB APPLICATION:



NODES TO BOOK TRAIN:



FUNCTION NODE COMMAND TO INDICATE THE AVAILABLE SEATS:

```
var a = global.get('a')

var s = []

for (let i = 0; i<a.length;i++){
    s.push(a[i])
}

if (s.length == 0){
    msg.options = [{"No seats available":0}]
}

else{
    msg.options = s
}

msg.payload = s

return msg;
```

FUNCTION NODE COMMAND TO CHOOSE THE AVAILABLE SEATS:

```
var s = global.get('s')
```

```
var a = global.get('a')
```

```
function rem(x){
```

```
    for(let i=0; i<a.length; i++){
```

```
        if(a[i]==x){
```

```
            a.splice(i,1)
```

```
        }
```

```
    }
```

```
}
```

```
if(s==1){
```

```
    global.set('s1',s)
```

```
    rem(s)
```

```
}
```

```
else if(s == 2){
```

```
    global.set('s2',s)
```

```
    rem(s)
```

```
}
```

```
else if(s == 3){
```

```
    global.set('s3',s)
```

```
    rem(s)
```

```
}
```

```
else if(s == 4){
```

```

    global.set('s4',s)

    rem(s)

}

else if(s == 5){

    global.set('s5',s)

    rem(s)

}

return msg;

```

FORM DETAILS:

The screenshot displays the Node-RED interface with the 'Edit form node' dialog open. The dialog is titled 'Edit form node' and has a 'Delete' button, 'Cancel' button, and 'Done' button. The 'Properties' tab is selected, showing the following settings:

- Group: [Home] QR code
- Size: 6 x 1
- Label: Form

The 'Form elements' tab is also visible, showing a table of form fields:

Label	Name	Type	Required	UIRows	Remove
Name	name	Text	<input checked="" type="checkbox"/>		
Age	age	Number	<input checked="" type="checkbox"/>		
Mobile number	no.	Number	<input checked="" type="checkbox"/>		
email	em	E-mail	<input checked="" type="checkbox"/>		

The background shows a flow with nodes: 'Boarding station', 'Destination station', 'Storing data', 'Form', and 'Clear'. The 'Form' node is highlighted in orange.

SEAT DROPDOWN BOX:

The screenshot displays the Node-RED web interface. On the left, a flow named 'Flow 1' is visible, containing nodes for 'Boarding station', 'Destination station', 'booking', 'Storing data in DB', 'Qr code data', 'm', 'switch', 'Form', 'delay 2s', 'Clear', and several 'function' nodes. The 'Edit dropdown node' dialog is open in the center, showing the configuration for a dropdown menu. The dialog has a 'Delete' button, 'Cancel' and 'Done' buttons, and a 'Properties' section. The 'Group' is '[Home] QR code', 'Size' is 'auto', 'Label' is 'Seat', 'Tooltip' is 'optional tooltip', and 'Placeholder' is 'Select option'. The 'Options' section lists five items: '1', '2', '3', '4', and '5'. On the right, the 'Info' panel shows the 'Seat' node configuration, including the node ID '25cb3d2bcefac783' and the type 'ui_dropdown'. It also includes a 'show more' link and a keyboard shortcut 'ctrl-g c'.

Edit dropdown node

Delete Cancel Done

Properties

Group [Home] QR code

Size auto

Label Seat

Tooltip optional tooltip

Placeholder Select option

Options

- 1
- 2
- 3
- 4
- 5

Enabled

Info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

Seat

Node "25cb3d2bcefac783"

Type ui_dropdown

show more

Your flow configuration nodes are listed in the sidebar panel. It can be accessed from the menu or with `ctrl-g c`