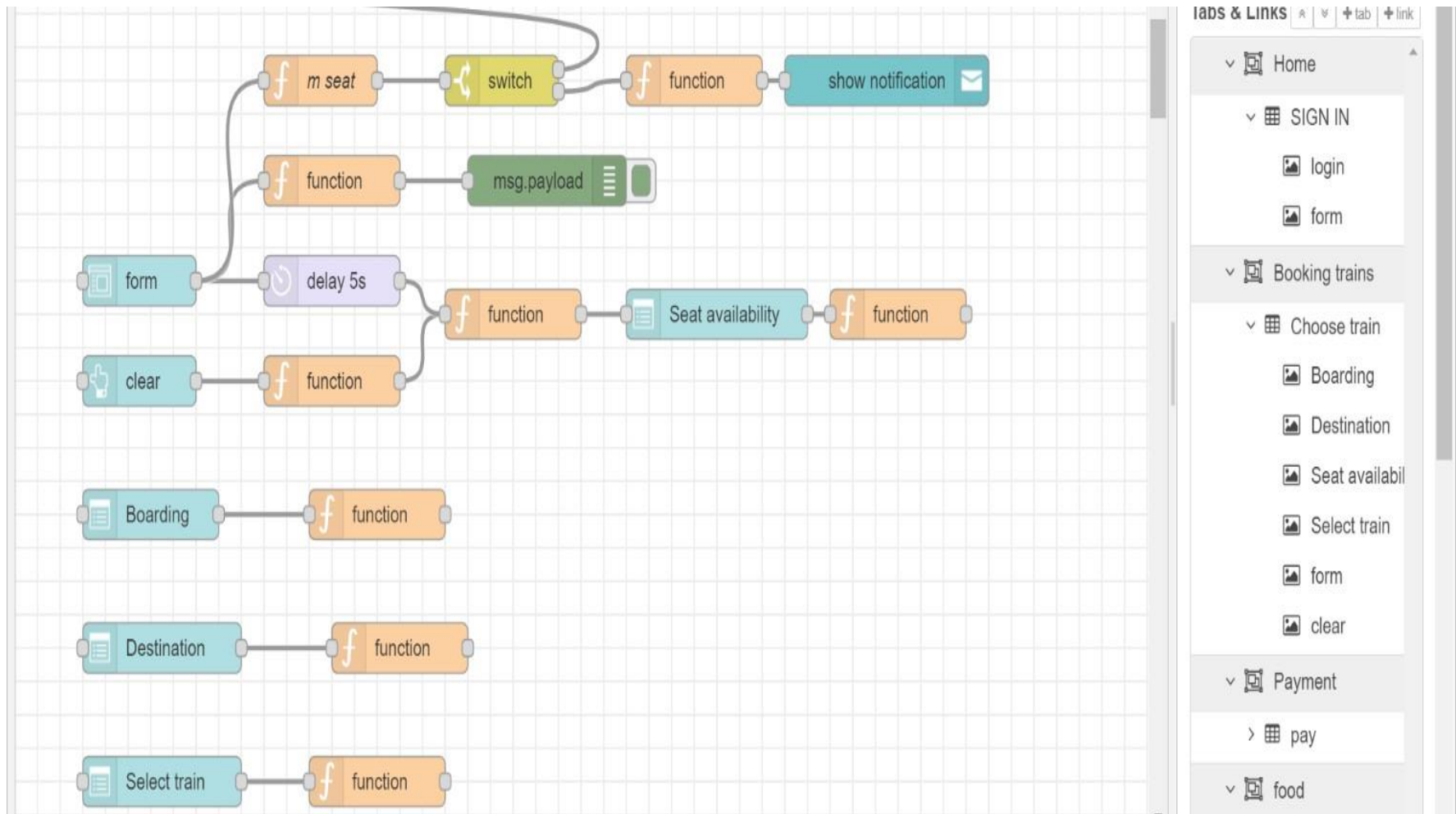


SPRINT-2

<i>Date</i>	06 NOVEMBER 2022
<i>Team ID</i>	PNT2022TMID25832
<i>Project Name</i>	SMART SOLUTIONS FOR RAILWAYS

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==0;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 reg(x){
  for(let i=0;i<a.length;i++){if(a[i]==x){
    a.splice(i,1)
  }
}
}
```

```
if(s==1){
    global.set('s1',s)
    reg(s)
}
else if(s==2){
    global.set('s2',s)
    reg(s)
}
else if(s==3){
    global.set('s3',s)
    reg(s)
}
else if(s==4){
    global.set('s4',s)
    reg(s)
}
else if(s==4){
    global.set('s4',s)
    reg(s)
}
return msg;
```

FUNCTION NODE COMMAND TO STORE DATA IN DATABASE:

```
var m=global.get('m')
var d=new Date();
var utc=d.getTime()+(d.getTimezoneOffset()*60000);
var offset=5.5;
newDate=new Date(utc+(3600000*offset));
var n=newDate.toISOString()
var date=n.slice(0,10)
var time=n.slice(11,19)var
d1=date+', '+time msg.payload={
  "_id":d1,
  "Name":m.Name,
  "Age":m.Age,
  "Mobile":m.Num,
  "boarding":global.get('b'),
  "destination":global.get('d'),
  "Seat":global.get('s')
}
return msg;
```

FORM DETAILS:

Node-RED

Deploy

Edit form node

Delete

Cancel

Done

Properties

Group

[Booking trains] Choose train

Size

auto

Label

optional label

Form elements

	Label	Name	Type	Required	UiRows	Remove
≡	Name	name	Text	<input checked="" type="checkbox"/>		
≡	Age	age	Number	<input checked="" type="checkbox"/>		
≡	Mobile num	num	Number	<input checked="" type="checkbox"/>		

☐ Enabled

debug

all nodes

all

11/15/2022, 11:23:25 AM node: 833946aa7ef65319
iot-2/type/Sudha/id/45/evt/status/fmt/json : msg.payload
: Object
▶ { name: "Train1", lat: 13.08363,
lon: 80.2708 }
11/15/2022, 11:23:27 AM node: 833946aa7ef65319
iot-2/type/Sudha/id/45/evt/status/fmt/json : msg.payload
: Object
▶ { name: "Train2", lat: 12.40797,
lon: 79.8141 }
11/15/2022, 11:23:29 AM node: 833946aa7ef65319
iot-2/type/Sudha/id/45/evt/status/fmt/json : msg.payload
: Object
▶ { name: "Train1", lat: 11.83331,
lon: 79.37465 }
11/15/2022, 11:23:35 AM node: 833946aa7ef65319
iot-2/type/Sudha/id/45/evt/status/fmt/json : msg.payload
: Object
▶ { name: "Train1", lat: 11.59664,
lon: 78.69899 }
11/15/2022, 11:23:41 AM node: 833946aa7ef65319
iot-2/type/Sudha/id/45/evt/status/fmt/json : msg.payload
: Object
▶ { name: "Train1", lat: 11.63431,
lon: 78.11122 }

SEAT DROPDOWN BOX:

The screenshot displays the Node-RED web interface. On the left, a flow diagram is visible with nodes labeled 'form', 'clear', 'Boarding', and several function nodes. The central panel is titled 'Edit dropdown node' and contains the following configuration options:

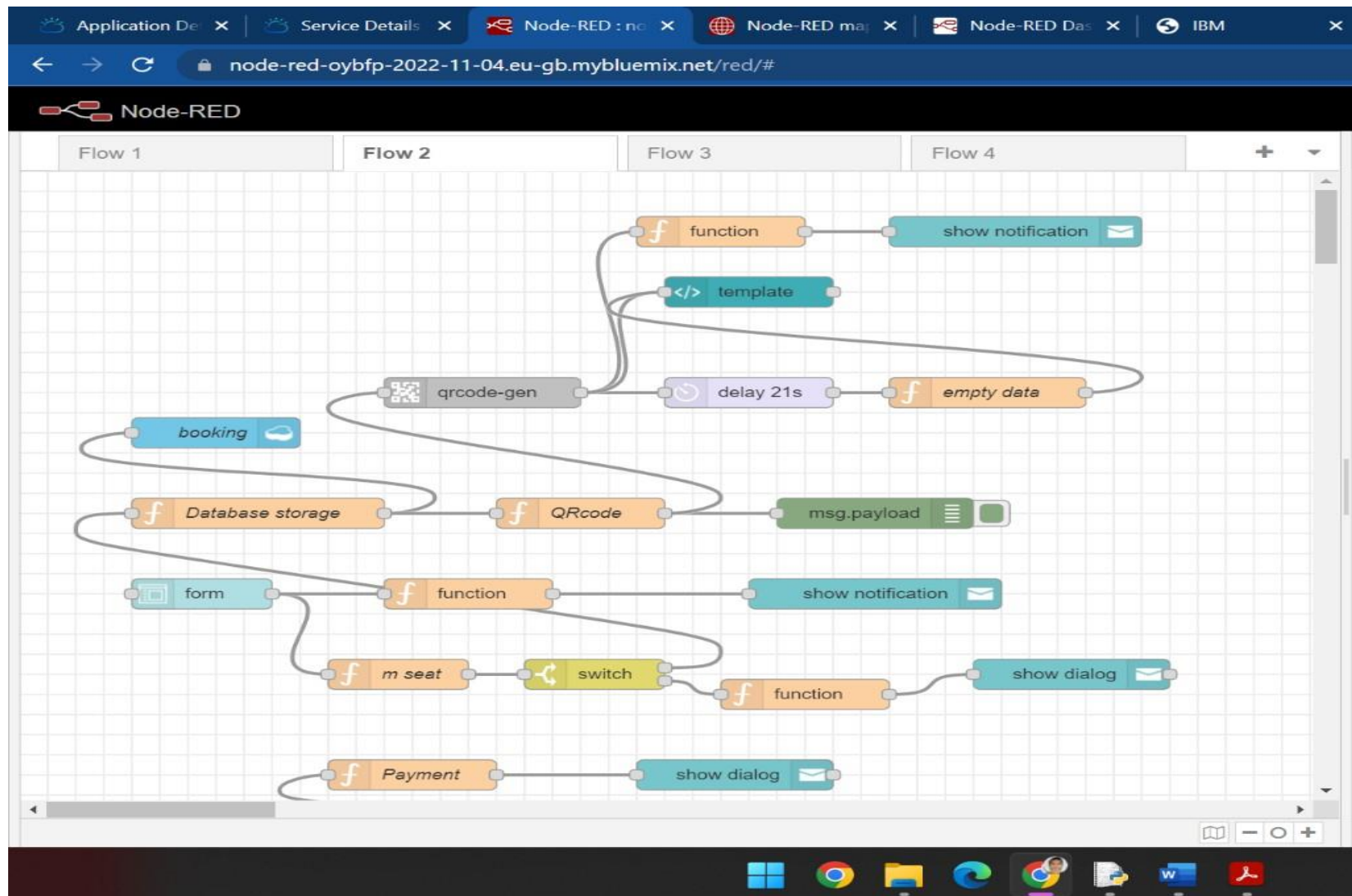
- Delete**: A button to delete the node.
- Cancel**: A button to cancel the edit.
- Done**: A red button to save the changes.
- Properties**: A section with a gear icon and a list of properties.
- Group**: A dropdown menu set to '[Booking trains] Choose train'.
- Size**: A dropdown menu set to 'auto'.
- Label**: A text input field containing 'Seat availability'.
- Tooltip**: A text input field containing 'optional tooltip'.
- Placeholder**: A text input field containing 'Select option'.
- Options**: A list of four options, each with a dropdown menu, a text input, and a delete button (X):
 - Option 1: dropdown 'a_z', text '1', delete button.
 - Option 2: dropdown 'a_z', text '2', delete button.
 - Option 3: dropdown 'a_z', text '3', delete button.
 - Option 4: dropdown 'a_z', text '4', delete button.
- Enabled**: A radio button labeled 'Enabled'.

On the right, the 'debug' console shows a list of messages. The messages are objects with the following structure:


```
{ name: "Train1", lat: 13.08363, lon: 80.2708 }
```

The messages are timestamped and include a node ID (833946aa7ef65319) and a payload (msg.payload).

NODE RED FLOW FOR PAYMENT:



WEB UI FOR TRAIN BOOKING:

 Booking trains

Choose train

Boarding Coimbatore ▼

Destination Chennai ▼

Seat availability Select option ▼

Select train Blue mountain ▼

Name *
sudha

Age *
20


Mobile num *
9876543210 ▼

SUBMIT

CANCEL

CLEAR

WEB UI FOR PAYMENT:

 Booking trains

Choose train


Boarding

Destination

Seat availability

Sele

PAYMENT PAGE:

 Payment

pay

Card name *

SUDHA

Card number *

210031004100

CVV *

675

SUBMIT

CANCEL