

SPRINT – 1

DATE	19 NOVEMBER 2022
TEAM ID	PNT2022TMID16776
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

PROCEDURE:

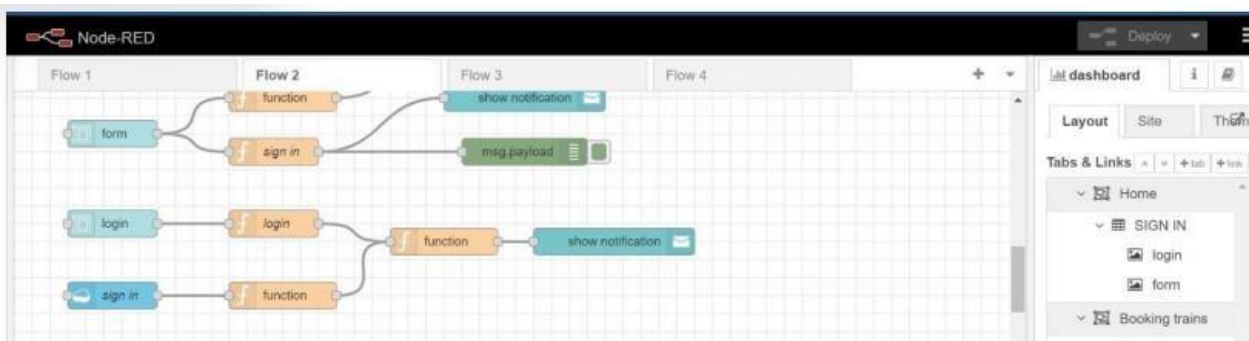
Step1: Develop node red application

Step2: Install the required nodes from manage palette option

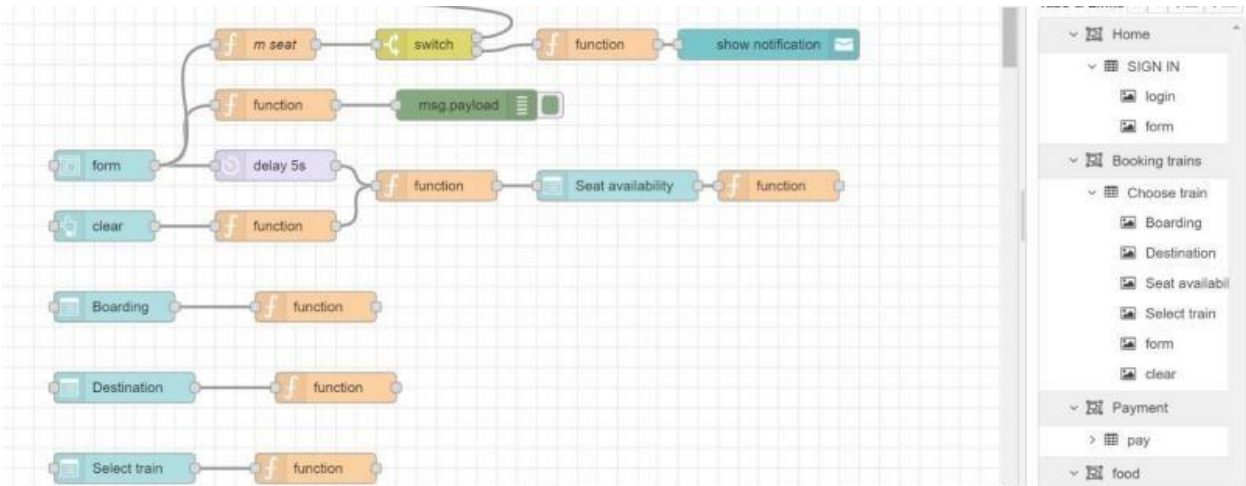
Step3: Connect the node flow

Step4: Deploy the 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==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:

Edit form node

Group: [Booking trains] Choose train

Size: auto

Label: optional label

Label	Name	Type	Required	UiRows	Remove
Name	name	Text	<input checked="" type="checkbox"/>	1	
Age	age	Number	<input checked="" type="checkbox"/>	1	
Mobile num	num	Number	<input checked="" type="checkbox"/>	1	

☐ Enabled

debug

```

11/15/2022, 11:23:25 AM node: 833946aa7ef05319
lat: 2/type:Sudha/d:45/ev/status/fmt/json : msg.payload
: Object
> { name: "Train1", lat: 13.08363,
lon: 80.2708 }

11/15/2022, 11:23:27 AM node: 833946aa7ef05319
lat: 2/type:Sudha/d:45/ev/status/fmt/json : msg.payload
: Object
> { name: "Train2", lat: 12.40797,
lon: 79.8141 }

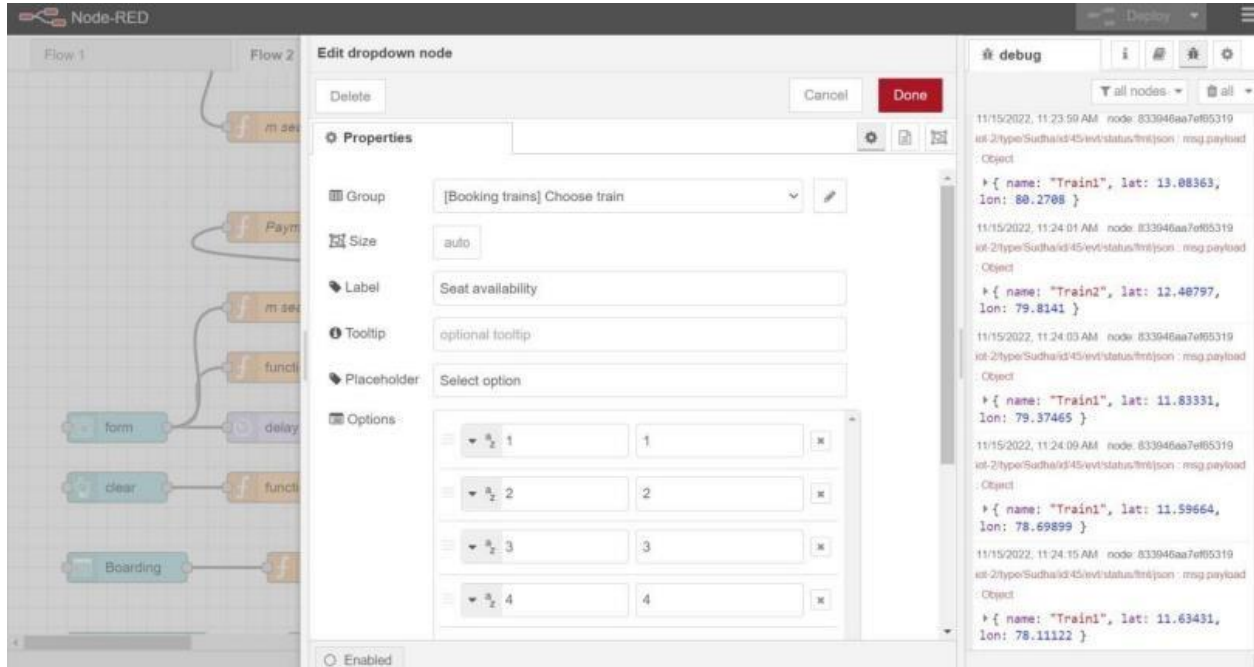
11/15/2022, 11:23:29 AM node: 833946aa7ef05319
lat: 2/type:Sudha/d:45/ev/status/fmt/json : msg.payload
: Object
> { name: "Train1", lat: 11.83331,
lon: 79.37465 }

11/15/2022, 11:23:35 AM node: 833946aa7ef05319
lat: 2/type:Sudha/d:45/ev/status/fmt/json : msg.payload
: Object
> { name: "Train1", lat: 11.59664,
lon: 78.69899 }

11/15/2022, 11:23:41 AM node: 833946aa7ef05319
lat: 2/type:Sudha/d:45/ev/status/fmt/json : msg.payload
: Object
> { name: "Train1", lat: 11.63431,
lon: 78.11122 }

```

SEAT DROPDOWN BOX:



WEBPAGE FOR TRAIN BOOKING:

STEP – 1:

Welcome to Railway Ticket Booking !!!



[Ticket Booking](#)

[Report Issues](#)

STEP – 2:

Login

Enter Name	Indhuja
Enter password
<input type="button" value="SUBMIT"/>	

STEP -3:

Booking

Name:	Indhuja
Number:	9000000000
<input type="checkbox"/> Duronto Express	
<input checked="" type="checkbox"/> Chennai Express	
From:	Chennai
To:	Coimbatore
<input type="button" value="SUBMIT"/>	

STEP – 4:

Ticket Booked Successfully!!!

Your Booked QR Code



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