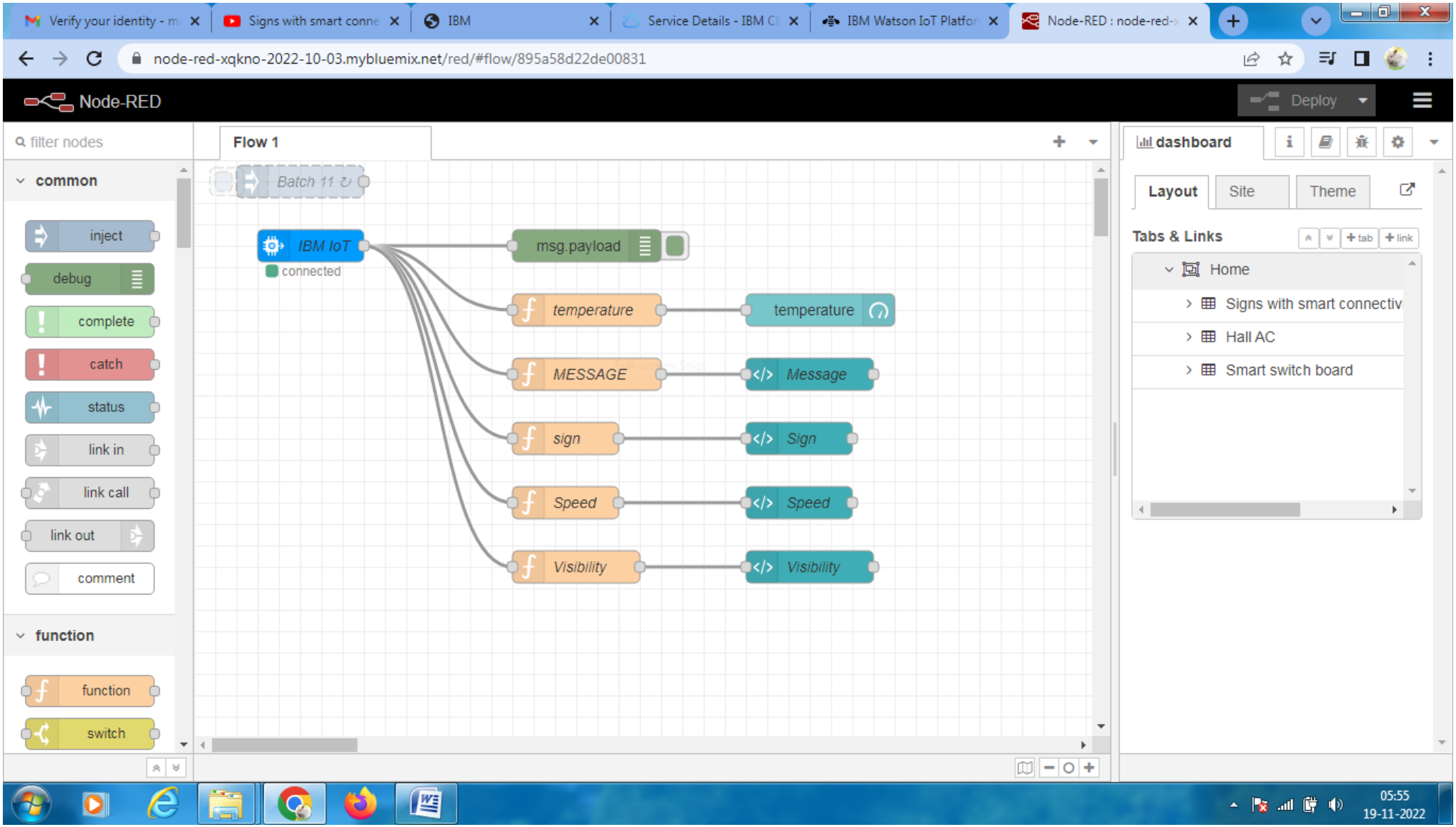
Project Development Phase
Sprint 4

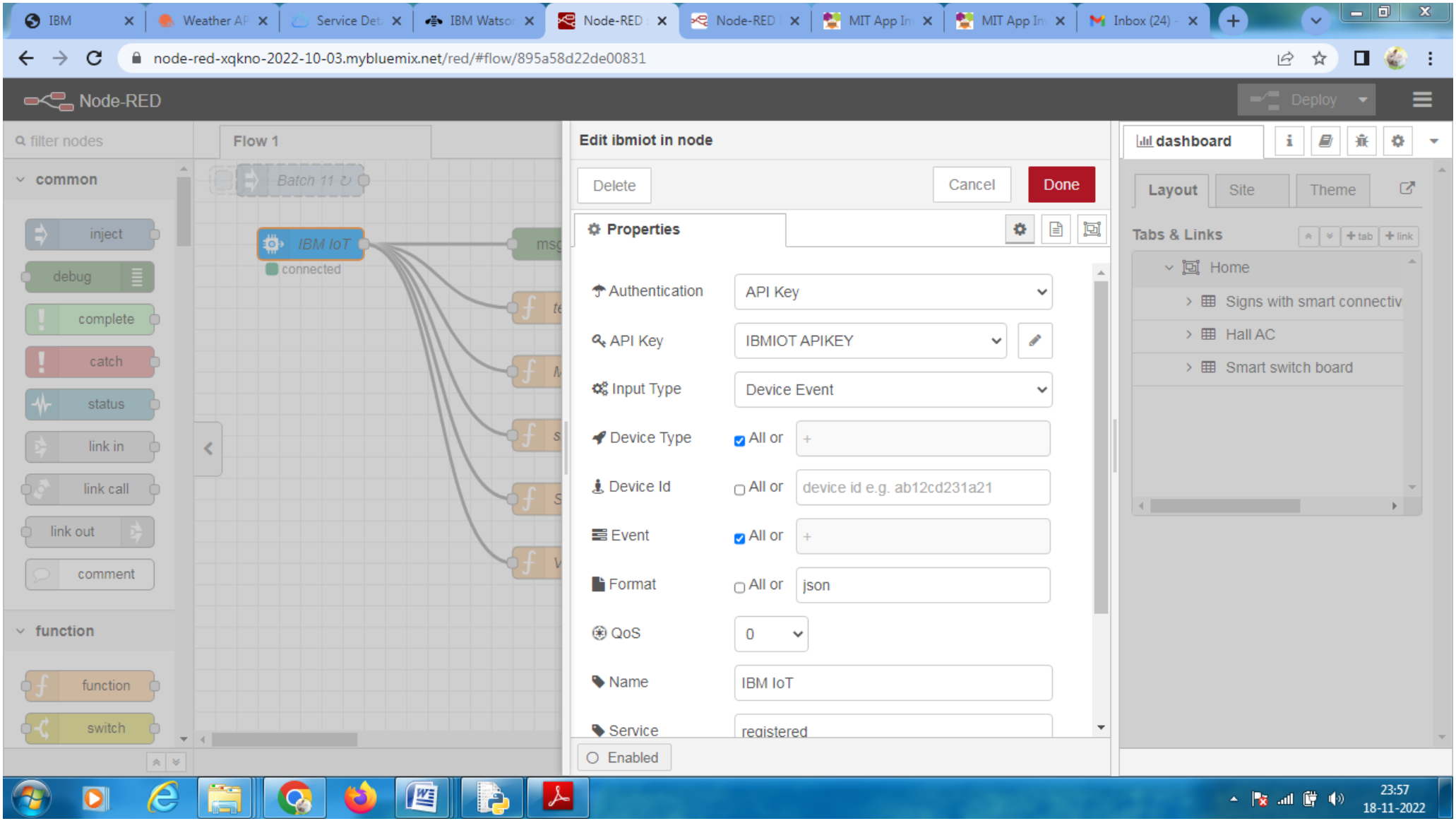
Date	14 November 2022
Team ID	PNT2022TMID41539
Project Name	Project-Signs with Smart Connectivity for Better Road Safety
Maximum marks	8 Marks

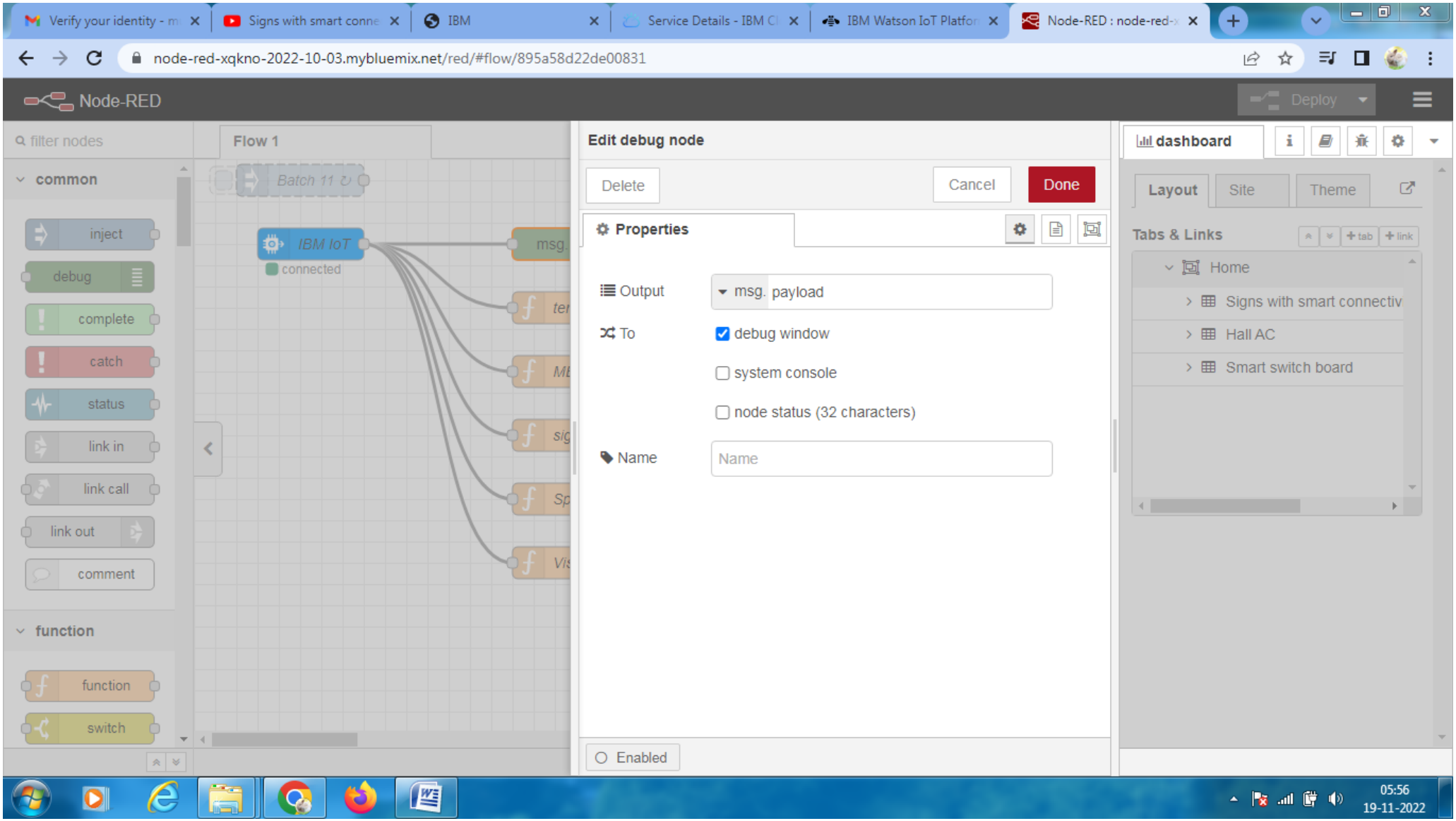
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Develop A Web Application Using Node-RED Service.	USN-8	**Develop The Web Application Using Node-RED** Configure the Node-RED flow to send data to the IBM IoT platform.	5	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S

Node-Red flow created

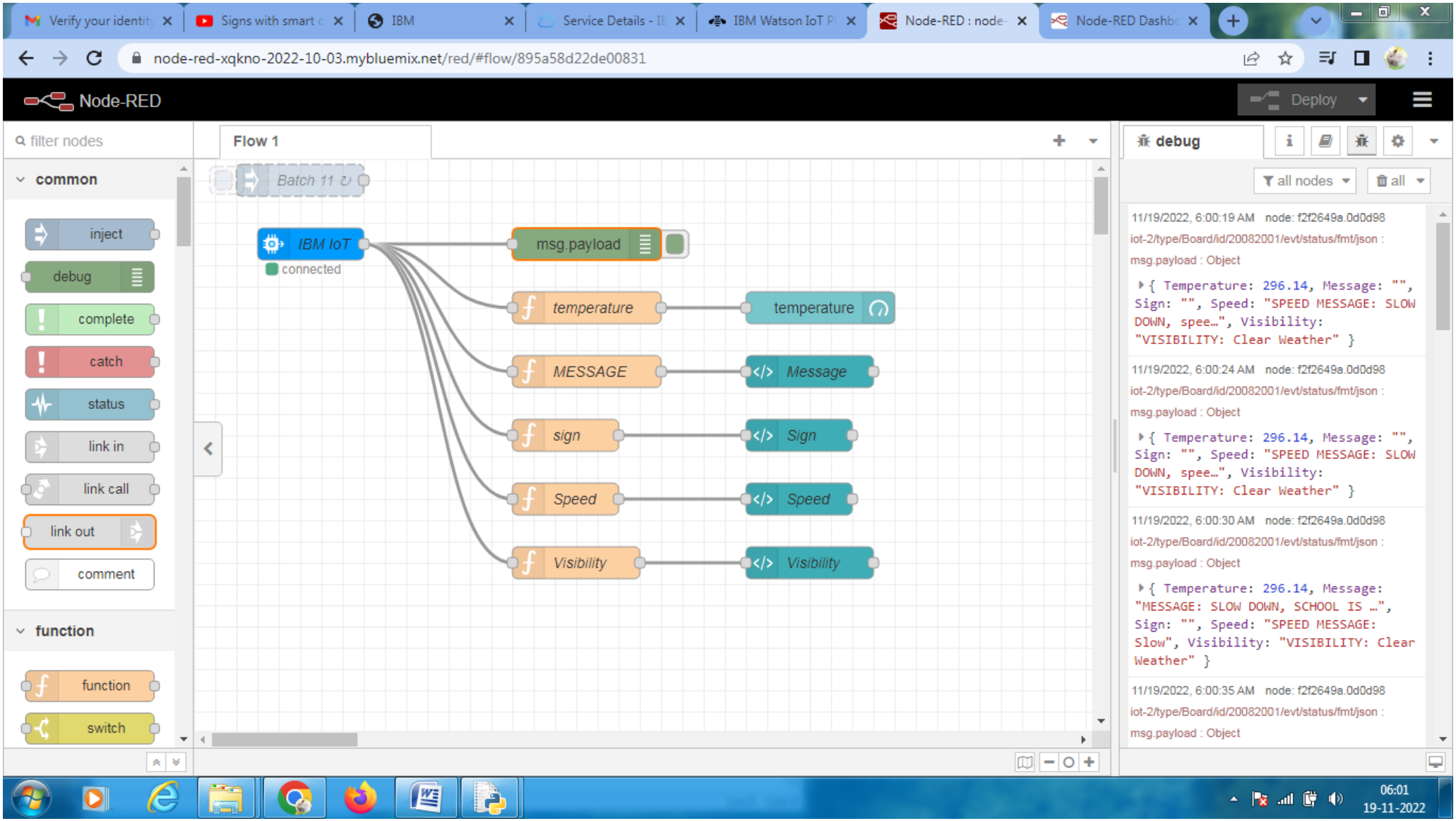


Device connected



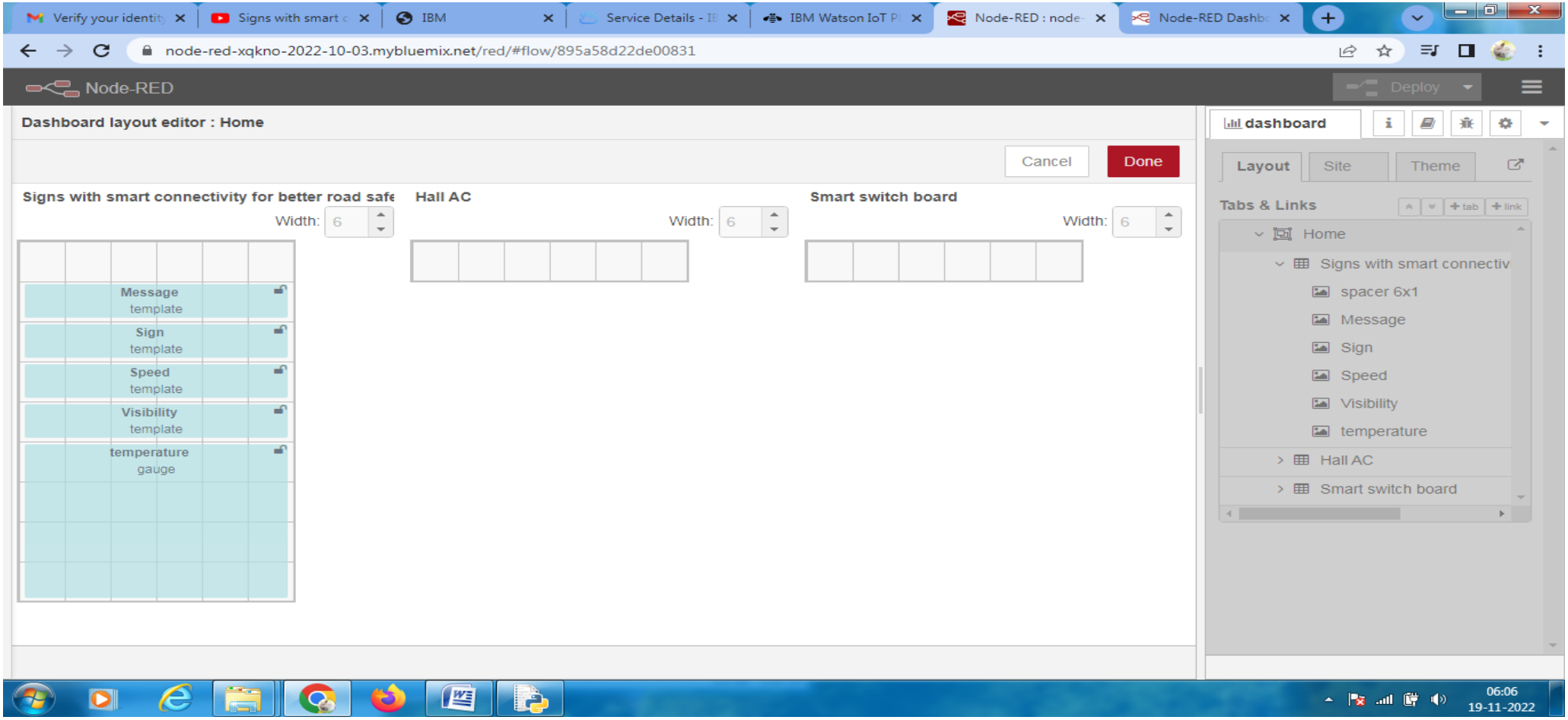

Verify your identity - m
Signs with smart conne
IBM
Service Details - IBM Cl
IBM Watson IoT Platfor
Node-RED : node-red-x
node-red-xqkno-2022-10-03.mybluemix.net/red/#flow/895a58d22de00831
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
Batch 11
IBM IoT
connected
msg
Edit debug node
Delete
Cancel
Done
Properties
Output
msg. payload
To
debug window
system console
node status (32 characters)
Name
Name
Enabled
dashboard
Layout
Site
Theme
Tabs & Links
tab
link
Home
Signs with smart connectiv
Hall AC
Smart switch board
05:56
19-11-2022

Node-Red output

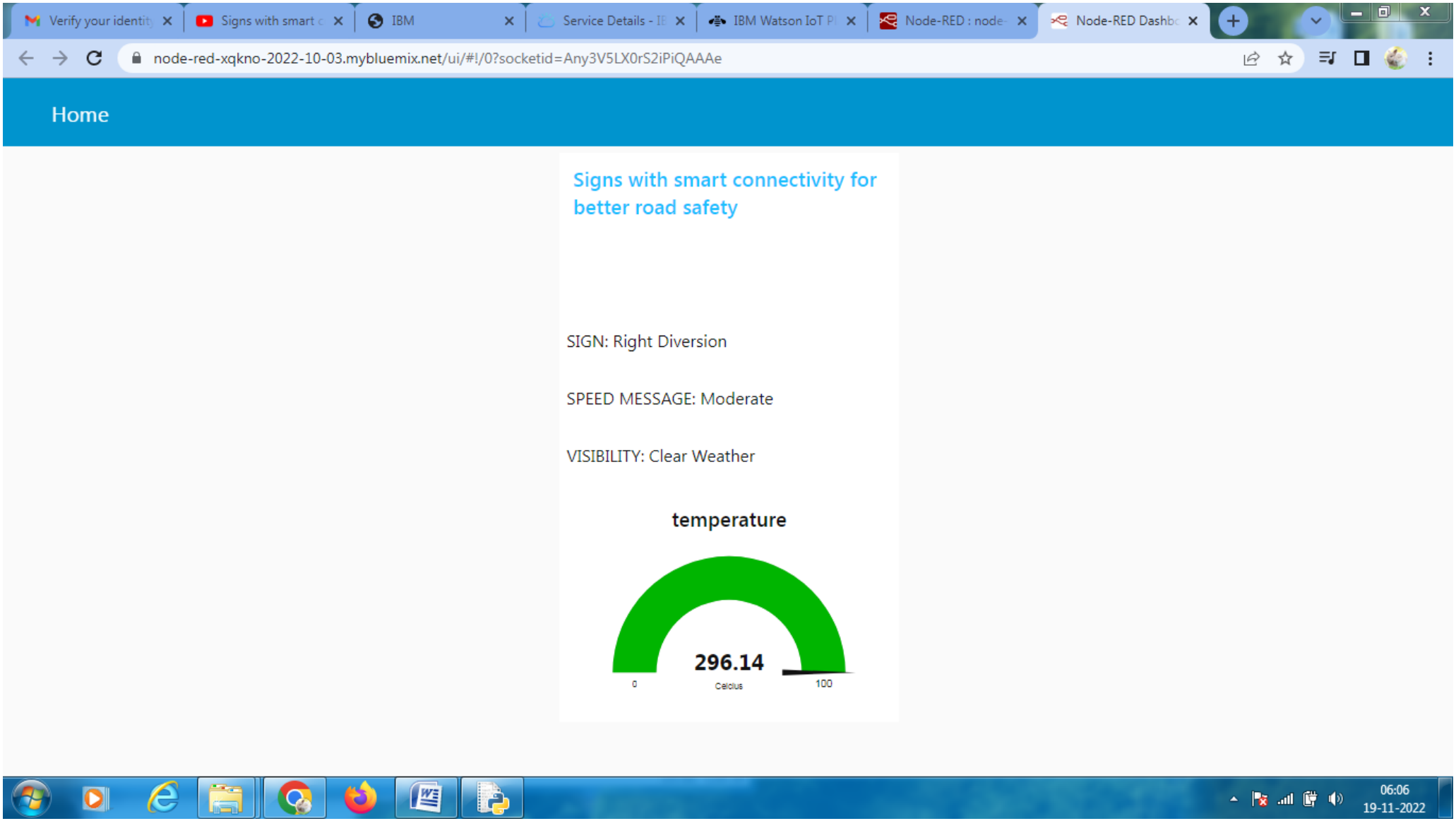


Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Develop A Web Application Using Node-RED Service.	USN-9	**Use Dashboard Nodes For Creating UI(Web App)** Create use dashboard nodes to visualize the data in graphical format.	5	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S

Nodes created



Node Output


Verify your identity
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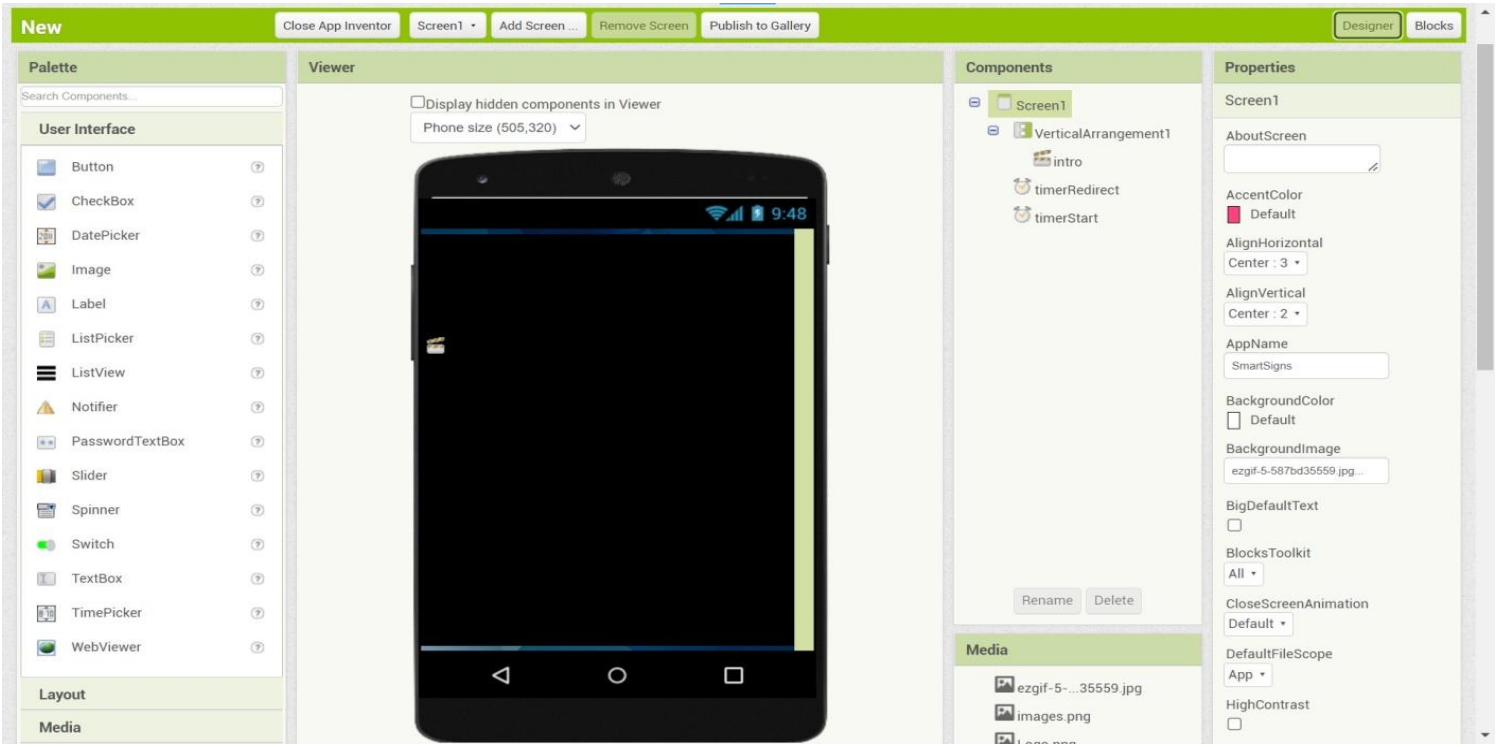
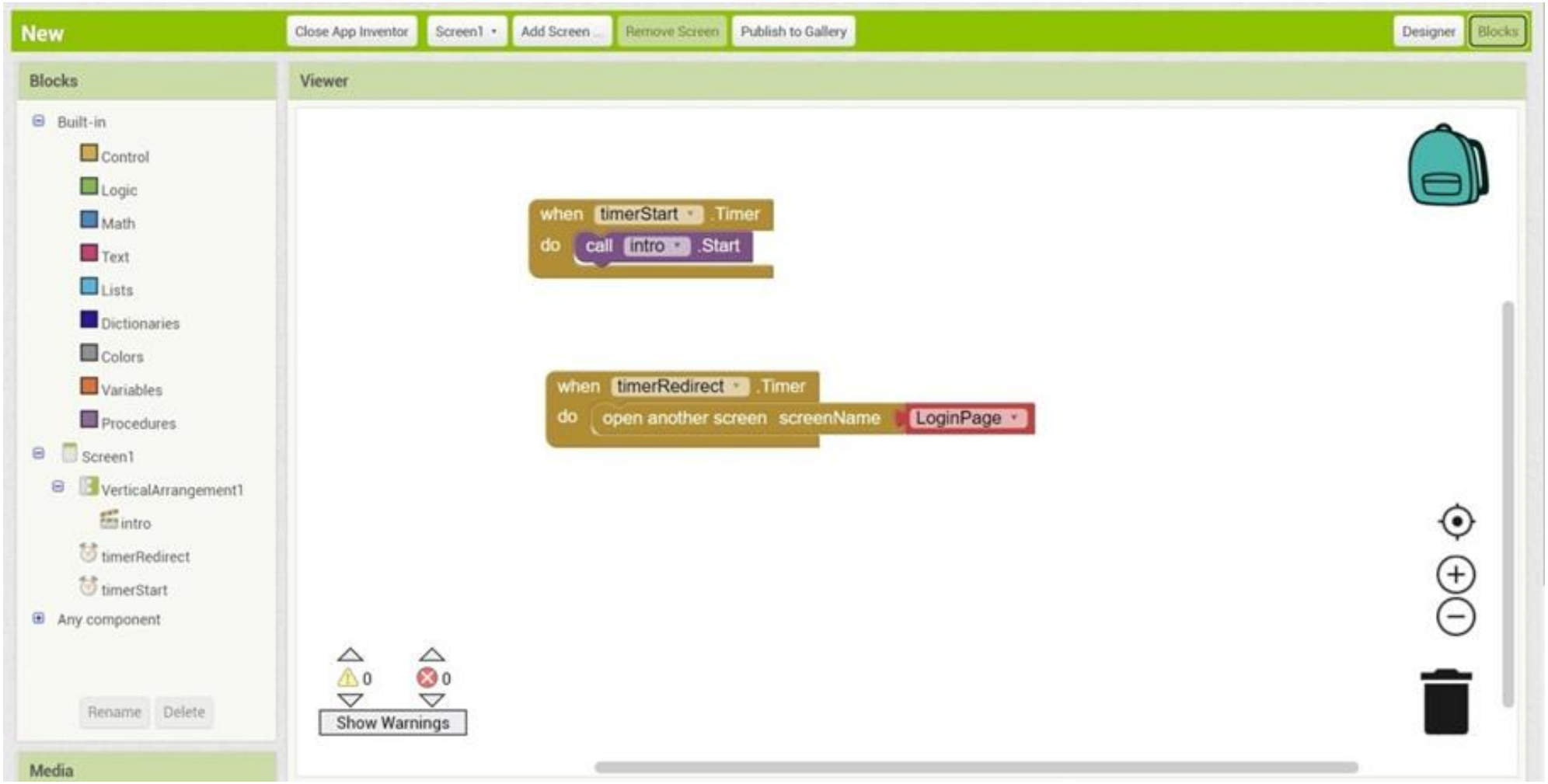
IBM
Service Details - IB
IBM Watson IoT Pl
Node-RED : node-
Node-RED Dashbc
node-red-xqkno-2022-10-03.mybluemix.net/ui/#!/0?socketid=Any3V5LX0rS2iPiQAAAe
Home
Signs with smart connectivity for better road safety
SIGN: Right Diversion
SPEED MESSAGE: Moderate
VISIBILITY: Clear Weather
temperature
296.14
Celcius
0
100
06:06
19-11-2022

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Develop A Mobile Application Using MIT App inventer.	USN-10	**Use MIT App For Creating Mobile application** Build the app. Using MIT AI2 companion(in mobile) by connecting it with the app builded(click connect in app inventor then click AI companion and scan the QR code in mobile companion- it will be connected) we can see the Road Safety informations in mobile.	10	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S

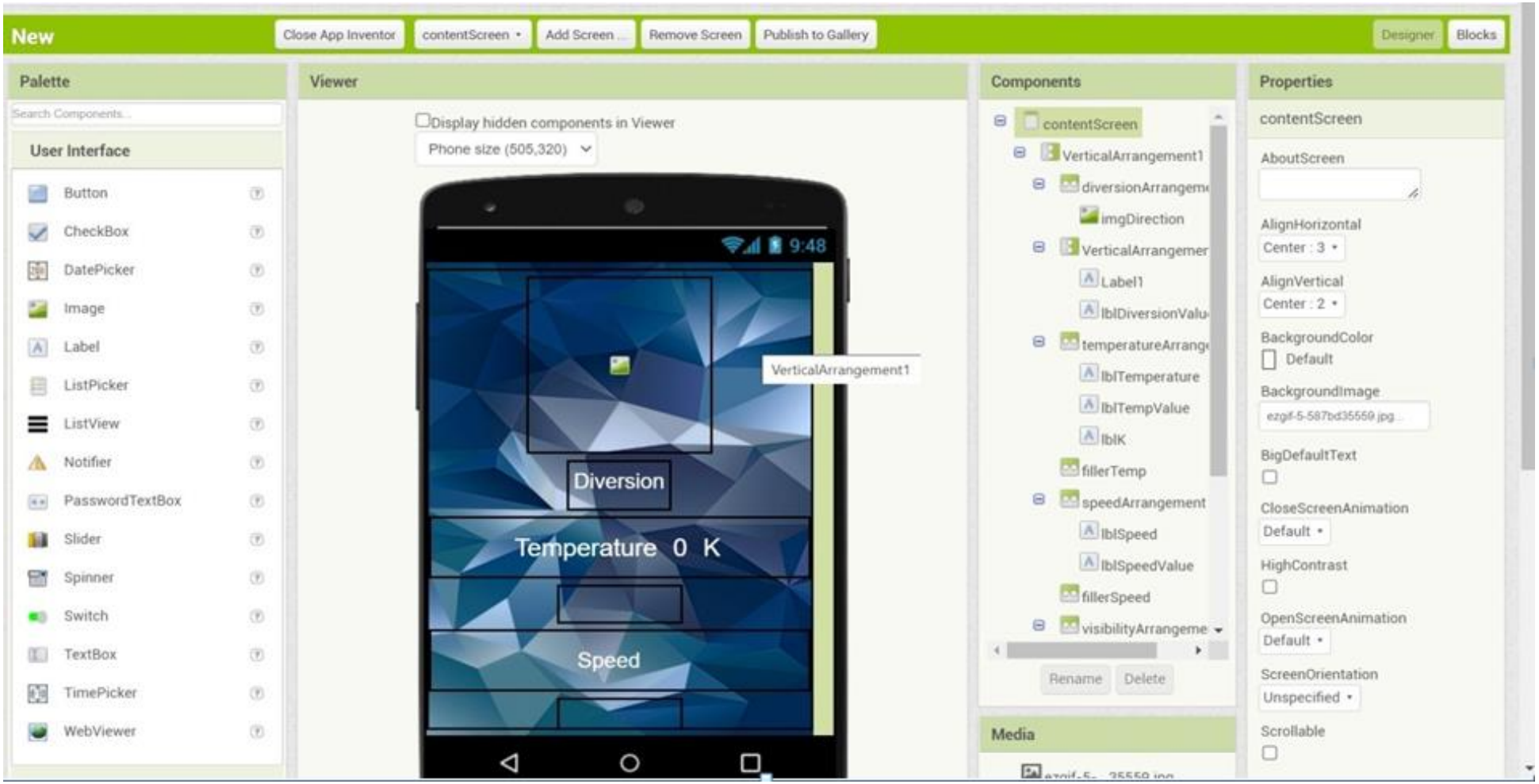
MIT app inventor – Screen 1 Frontend



Screen 1 – Backend

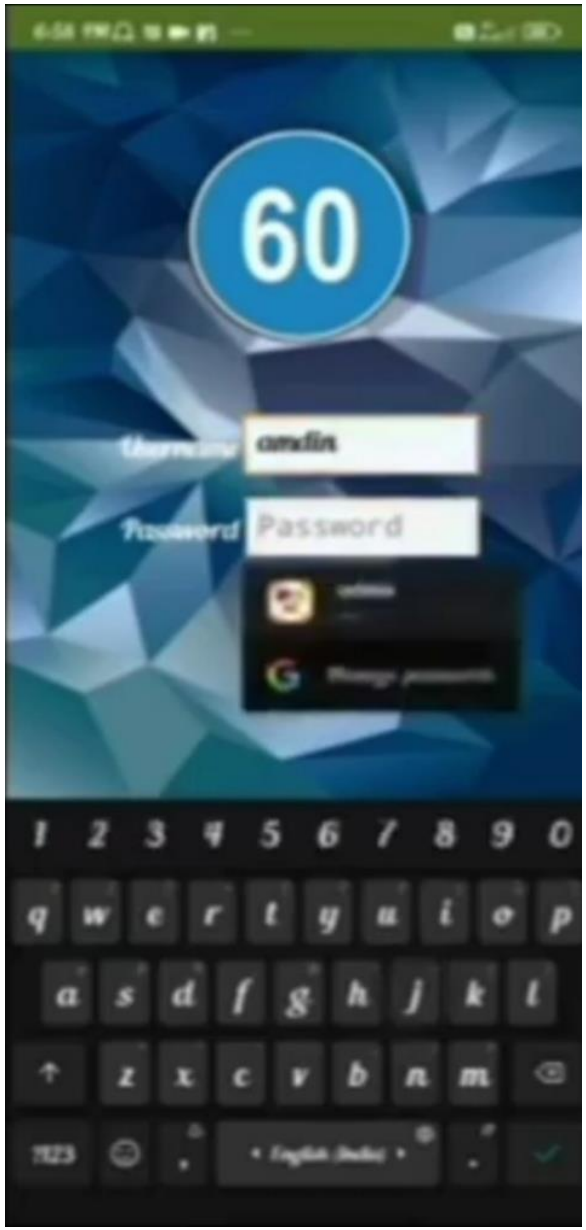


Screen 2 – Frontend

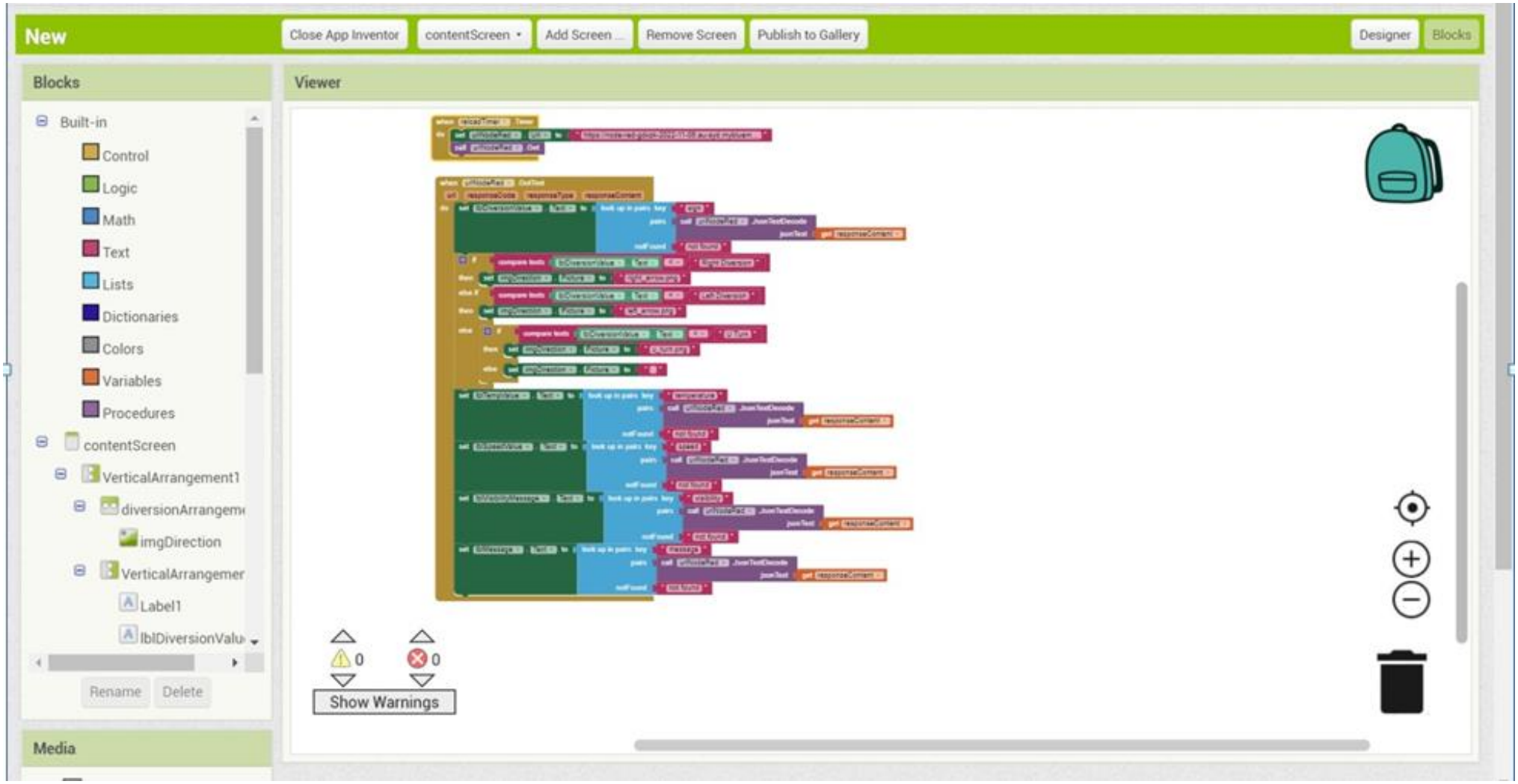


Screen 2 – Backend

Screen 2- Frontend (Result after connecting MIT AI2 mobile companion)



Screen 3 – Backend



Screen 3 – Frontend (Result after connecting MIT AI2 mobile companion)

Hence the project is done.