

Project Development Phase
Sprint-3

Date	18 November 2022
Team ID	PNT2022TMID49709
Project Name	Gas Leakage Monitoring and Alerting System

Not secure | ai2.appinventor.mit.edu/#5418205422944256

ear [Ticket #0015072]... ea Attractive furnished...

Palette

Search Components...

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

- ActivityStarter
- BluetoothClient
- BluetoothServer
- Serial
- Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

☐ Display hidden components in Viewer

Phone size (505,320) ▾

Non-visible components

Components

- Screen1
 - TextBox5
 - VerticalArrangement1
 - Label3
 - Label1
 - Label2
 - TextBox3
 - PasswordTextBox1
 - loginbtn
 - signupbtn
 - TextBox4
 - Web1

Rename Delete

Media

lpg.jpg

Upload File ...

Properties

Label2

BackgroundColor

☐ None

FontBold

☐

FontItalic

☐

FontSize

18

FontTypeface

default ▾

HTMLFormat

☐

HasMargins

☒

Height

5 percent...

Width

Automatic...

Text

TextAlignment

center : 1 ▾

TextColor

Red

Visible

☒

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Projects ▾ Connect ▾ Build ▾ Settings ▾ Help ▾

My Projects View Trash Guide Report an Issue English ▾ citroenmerc2@gmail.com ▾

Gas_leakage

Screen3 ▾ Add Screen ... Remove Screen Publish to Gallery

Designer Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen3

- VerticalArrangement1
 - TextBox1
 - TextBox2
 - username
 - pw
 - mobno

Rename Delete

Media

log.jpg

Viewer

when register .Click

do

set Web1 . Url to join ["https://node-red-rdrxa-2022-11-09.us-east.myblue..."]

make a list

- username . Text
- pw . Text
- mobno . Text

set Label1 . Text to "Registration Successful! Redirecting to Login...."

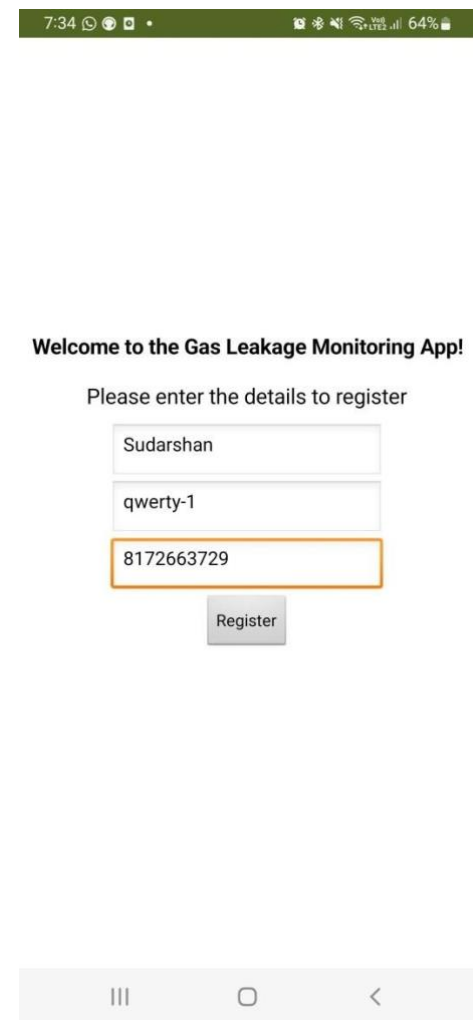
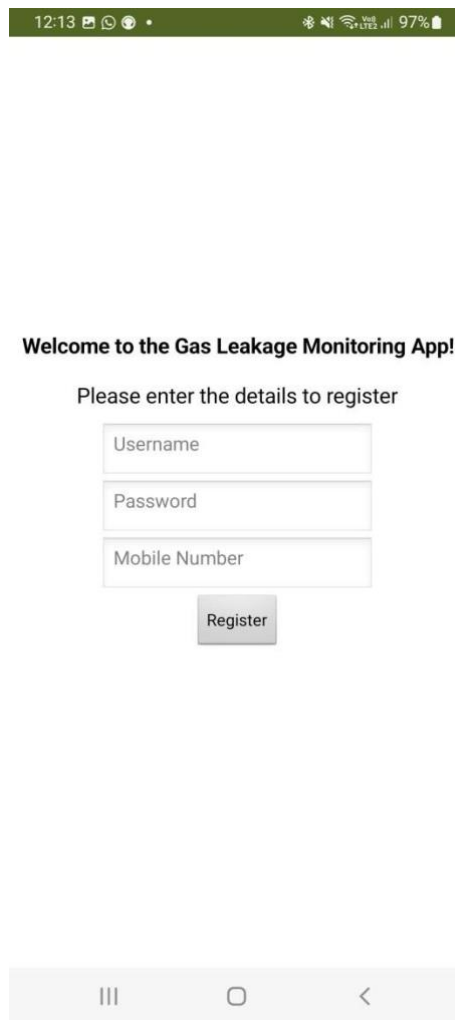
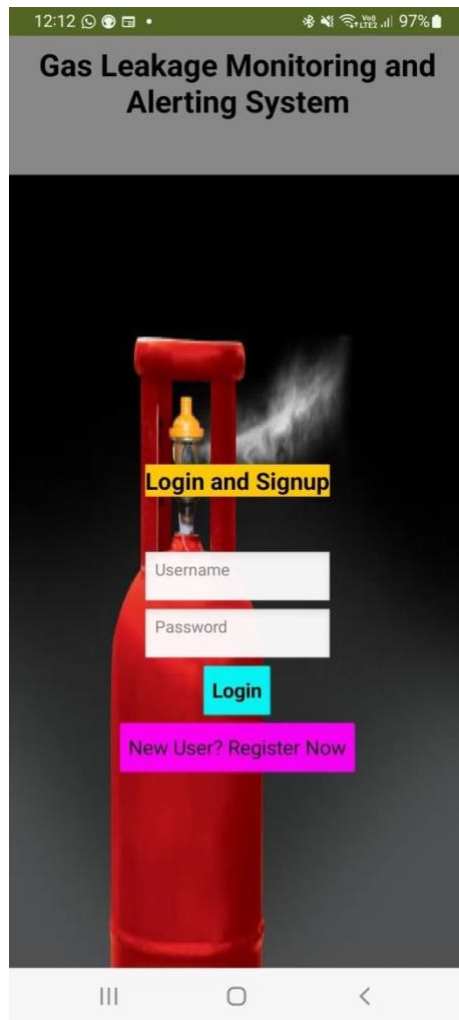
set Clock1 . TimerEnabled to false

call Web1 .Get

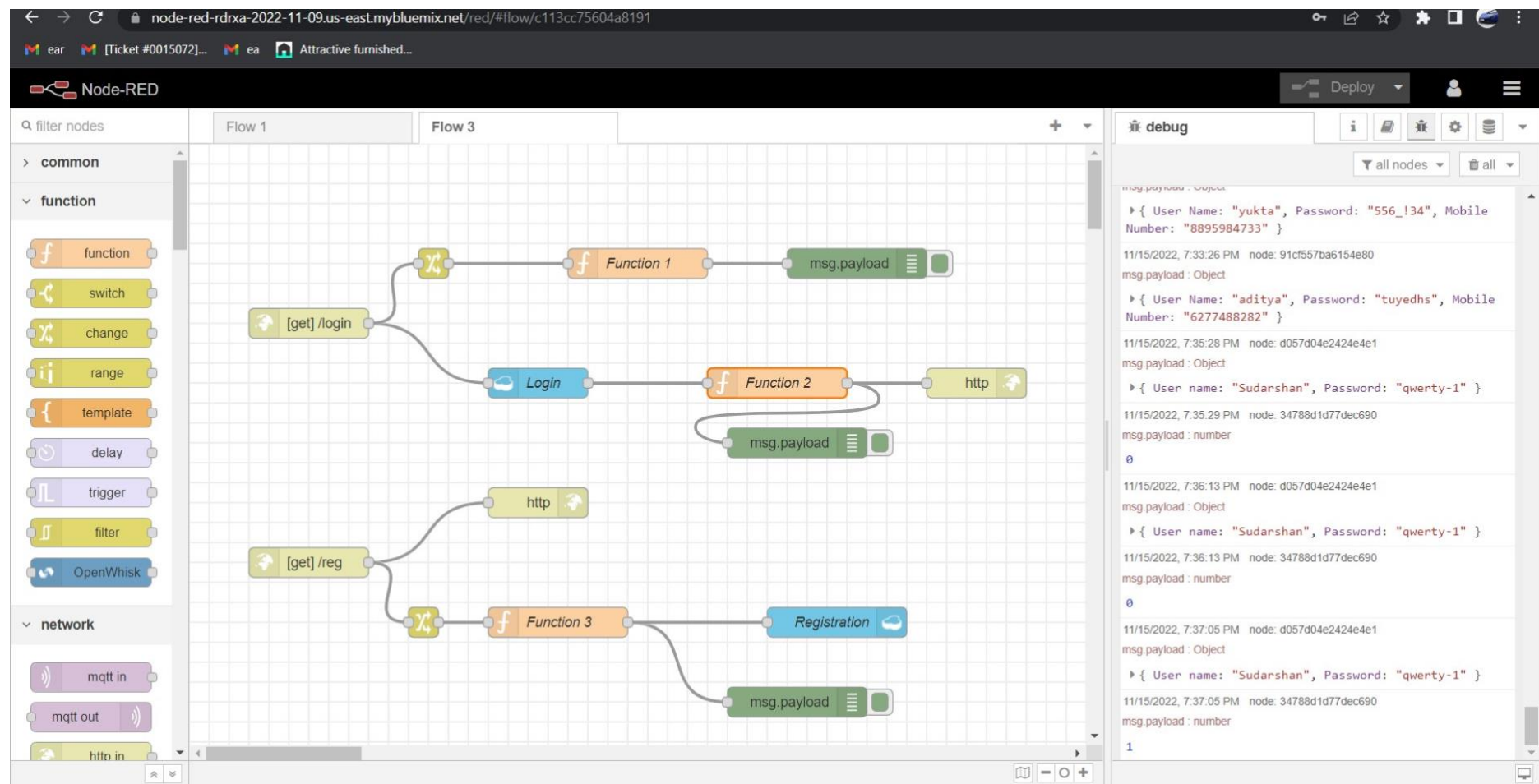
open another screen screenName Screen1

0 0

Hide Warnings



Using Node-RED the entered details are stored in the Cloudant Database.



< gasdb
Document ID ▾ ⚙️ Options {} JSON 📖 🔔

- All Documents +
- Query
- Permissions
- Changes
- Design Documents +

☐

Table

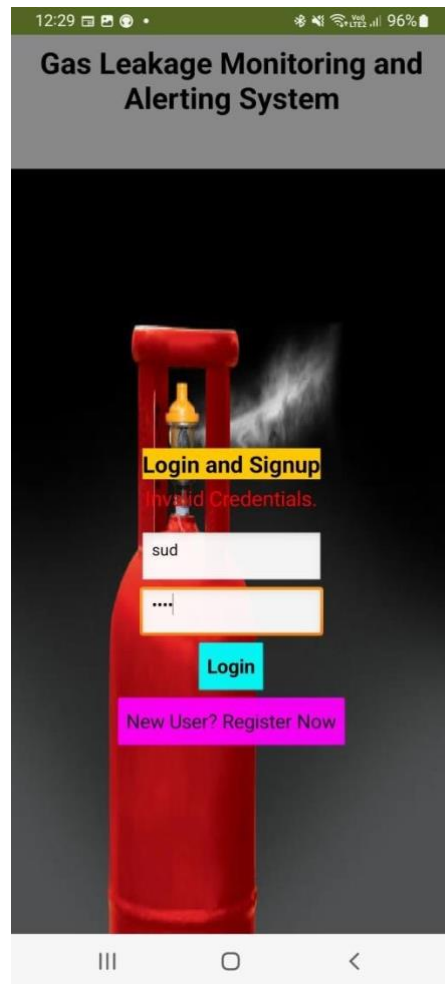
Metadata

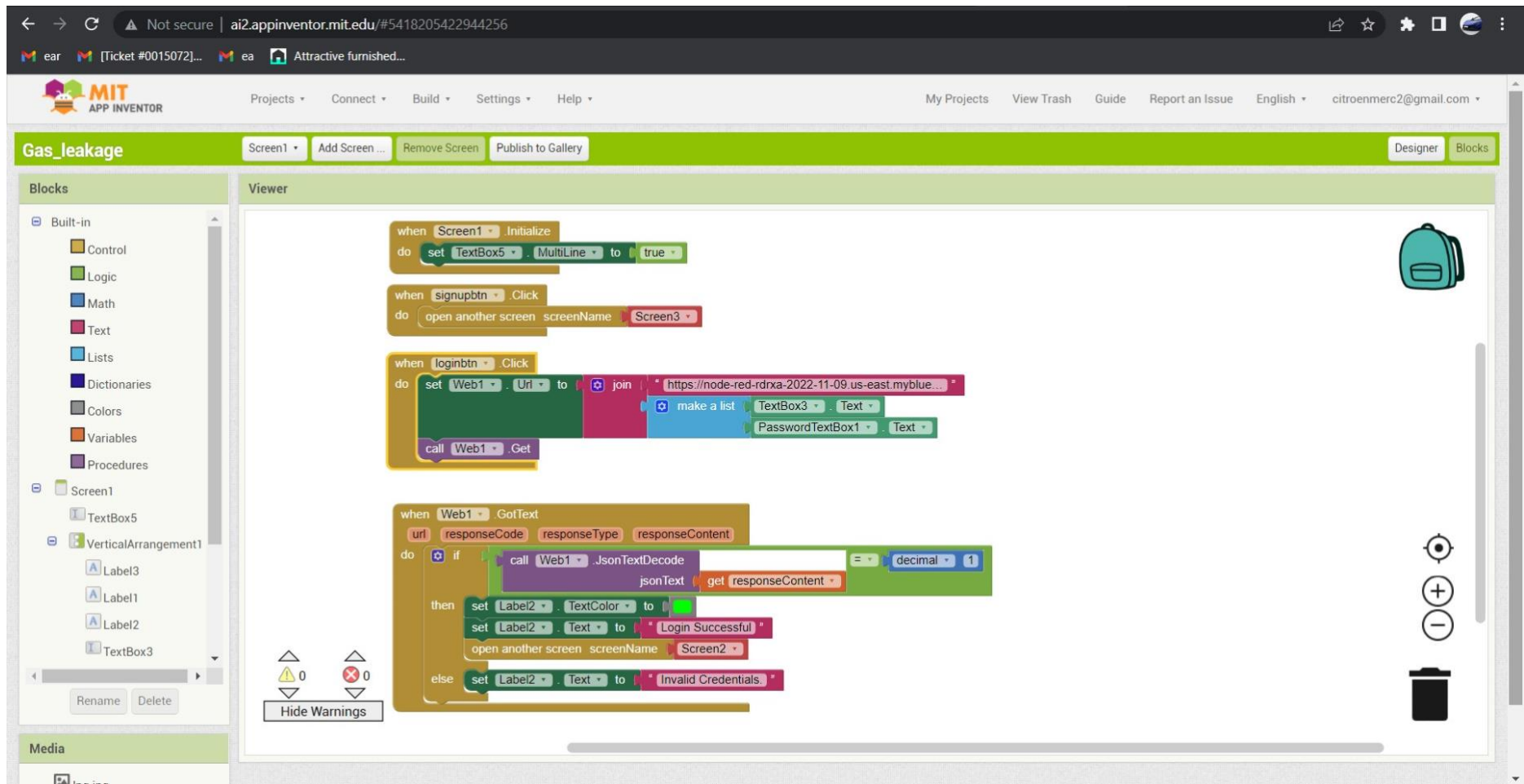
{ } JSON

Create Document

	Mobile Number▾	Password ▾	User Name ▾	_id ▾
<input type="checkbox"/>	6277488282	tuyedhs	aditya	0b86b26e85d44884f90aac6521...
<input type="checkbox"/>	7166367718	126_4q	Akash	2c42b50a3b6a26ae52d0c951fcb...
<input type="checkbox"/>	8172663729	qwerty-1	Sudarshan	6e6127af8112423ada32ff89a2c0...
<input type="checkbox"/>	8895984733	556_l34	yukta	6e6127af8112423ada32ff89a2d...
<input type="checkbox"/>	7761664478	76hy	ajay	94e11cc75de7deb6c2a200cdb80...

Showing 4 of 5 columns. ☐ Show all columns.
Showing document 1 - 5. Documents per page: 20 ▾





node-red-rdrxa-2022-11-09.us-east.mybluemix.net/red/#flow/c113cc75604a8191

ear [Ticket #0015072]... ea Attractive furnished...

Node-RED

Deploy

filter nodes

common

function

function

switch

change

range

template

delay

trigger

filter

OpenWhisk

network

mqtt in

mqtt out

http in

Flow 1

Flow 3

[get] /login

Function 1

msg.payload

Login

Function 2

http

[get] /reg

http

Function 3

Registration

msg.payload

debug

all nodes

all

11/15/2022, 7:36:13 PM node: d057d04e2424e4e1

msg.payload : Object

{ User name: "Sudarshan", Password: "qwerty-1" }

11/15/2022, 7:36:13 PM node: 34788d1d777dec690

msg.payload : number

0

11/15/2022, 7:37:05 PM node: d057d04e2424e4e1

msg.payload : Object

{ User name: "Sudarshan", Password: "qwerty-1" }

11/15/2022, 7:37:05 PM node: 34788d1d777dec690

msg.payload : number

1

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11/15/2022, 7:37:35 PM node: 34788d1d777dec690

msg.payload : number

1

11/15/2022, 7:38:38 PM node: d057d04e2424e4e1

msg.payload : Object

{ User name: "Sudu", Password: "123455" }

11/15/2022, 7:38:39 PM node: 34788d1d777dec690

msg.payload : number

0

node-red-rdx-2022-11-09.us-east.mybluemix.net/red/#flow/c113cc75604a8191

ear [Ticket #0015072]... ea Attractive furnished...

Node-RED

filter nodes

Flow 1

common

function

- function
- switch
- change
- range
- template
- delay
- trigger
- filter
- OpenWhisk

network

- mqtt in
- mqtt out
- http in

[get] /login

[get] /reg

Edit function node

Delete Cancel Done

Properties

Name Function 1

Setup On Start On Message On Stop

```
1 a=msg.payload.login
2 s = a.split(",")
3 user = s[0]
4 pass = s[1].trim()
5 msg.payload={
6   "User name":user,
7   "Password":pass // convert to json format ,store in msg.payload
8 }
9 global.set('u',user) //the above things are used for checking in DB
10 global.set('p',pass)
11 global.set('m',msg.payload)
12 return msg;
```

Enabled

debug

all nodes all

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Node-RED

Deploy

filter nodes

Flow 1

Flow 2

common

function

function

switch

change

range

template

delay

trigger

filter

OpenWhisk

network

mqtt in

mqtt out

http in

[get] /login

[get] /reg

Edit function node

Delete Cancel Done

Properties

Name Function 2

Setup On Start On Message On Stop

```
1 var a=msg.payload
2 var e=global.get('u')
3 var p=global.get('p')
4 count=0
5 for (j in a){
6   count=count+1
7 }
8 flag=0
9 for (i=0;i<count;i++){
10   if((e==a[i]["User Name"])&(p==a[i]["Password"]))
11   {
12     flag = 1//if flag =1, credential availblle in DB ,send to App.
13   }
14 }
15 if (flag==1){
16   msg.payload = 1
17 }
18 if(flag==0){
19   msg.payload=0
20 }
21 return msg;
```

Enabled

debug

all nodes all

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