SPRINT DELIVERY 4

Date	11 November 2022
Team ID	PNT2022TMID16081
Project Name	Personal Assistance for senior citizenswho are self-reliant

SPRINT IV:Software Implementation

Objective:

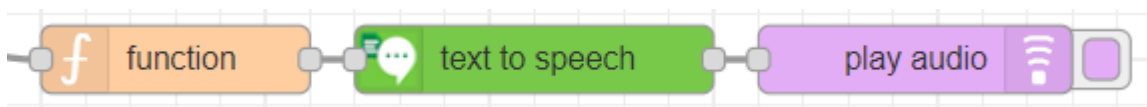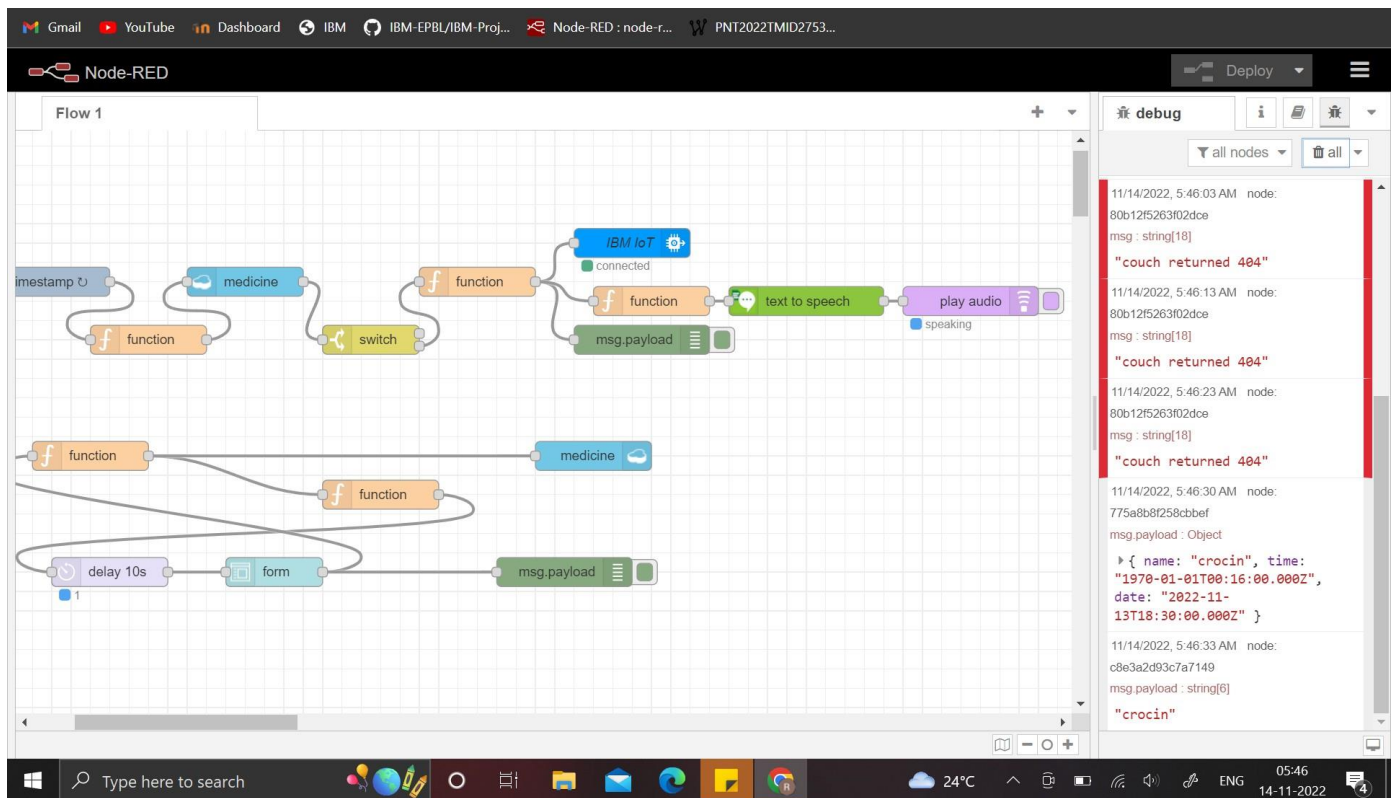Converting the data received from cloud as voice using IBM Text to Speech service

v

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration: Creation of IBM services like NodeRED, Cloudant DB, TTS Service and design of IoT system	USN-1	As a user,I should login into my IBM Cloud account.	2	High	Mark Gerald, Kingston Leonard
Sprint-2	Web UI: Creating web UI using node-red and connect it to IBM Cloudant db	USN-2	As a user,I should be able to feed the medicine name and intake time in the web UI	2	High	Melodina Carnelian D, Rufus A.R
Sprint-3	Hardware implementation: Developing code to retrieve data from cloudant db to send that data to IoT device at the appropriate time	USN-3	As a user, I should be able to send the medicine name to the IoT device at the scheduled time	2	High	Rufus.A.R, Kingston Leonard
Sprint-4	Software implementation: Converting the data received from cloud as voice using IBM Text to Speech service	USN-4	As a user, I must be able hear the medicine name which is to be taken at the appropriate time	2	High	Melodina Carnelian D, Mark Gerald

❖ **Creating a function to convert the medicine name in object format to string format :**

```
1 var st={"Please take":msg.payload}
2 msg.payload=JSON.stringify(st)
3 msg.payload=msg.payload.replace(':','');
4 return msg;
```

❖ Creating and configuring IBM Text-to-Speech node:

❖ APP UI CREATED MIT APP INVENTOR:

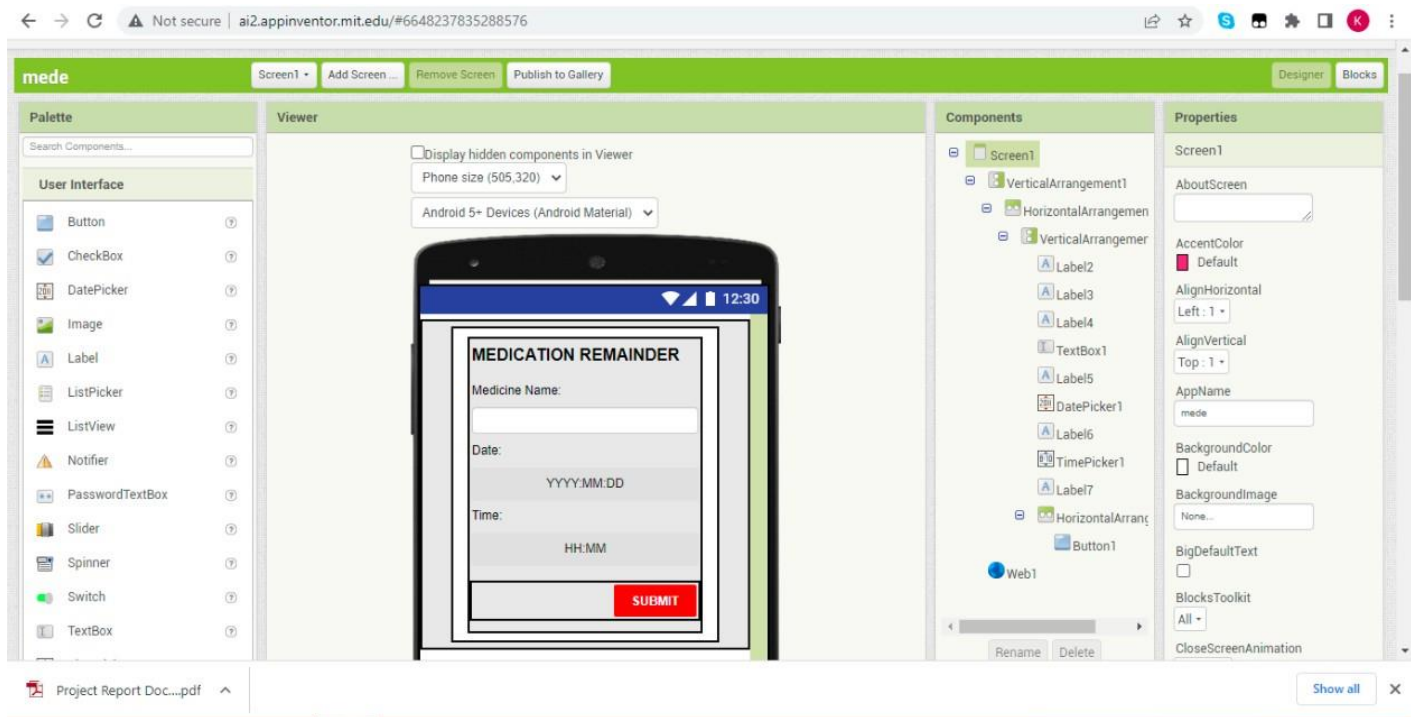**MEDICATION REMAINDER**

Medicine name:
Hint for TextBox1

Date:
YYYY:MM:DD

Time:
HH:MM

SUBMIT

The software implementation is successfully completed

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