PROJECT DEVELOPMENT PHASE

SPRINT 4 - Software Implementation

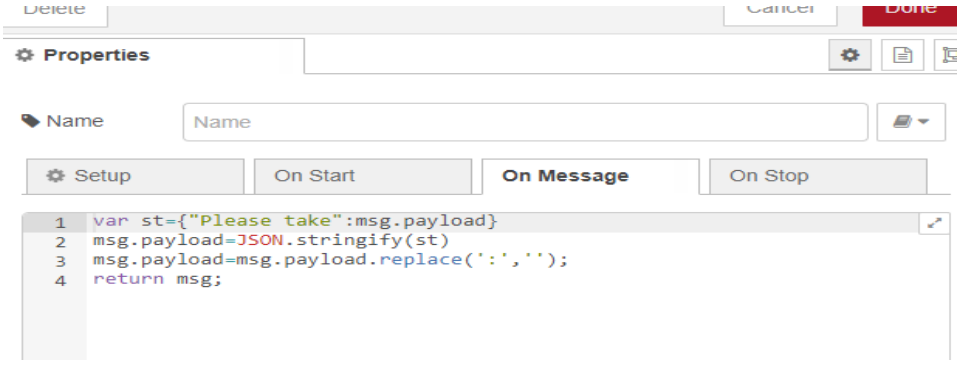
Date	18 November 2022
Team ID	PNT2022TMID18885
Project Name	Project - Personal Assistance for Seniors Who Are Self-Reliant

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	**Registration:** Creation of IBM serviceslike NodeRED, CloudantDB, TTS Service and design of IoT system	USN-1	As a user,I should login into my IBM Cloud account.	2	High	Anne Angelina J, Kawin M
Sprint-2	**Web UI:** Creating web UI using node-red and connect it toIBM 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	Akshayasri S, Bhavani R K
Sprint-3	**Hardware implementation:** Developing Python 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	Akshayasri S, Kawin M
Sprint-4	**Software implementation:** Converting the data received from cloud asvoice using IBM Text toSpeech service	USN-4	As a user, I must be able hear the medicine name which is to be taken at the appropriatetime	2	High	Anne Angelina J, Bhavani R K

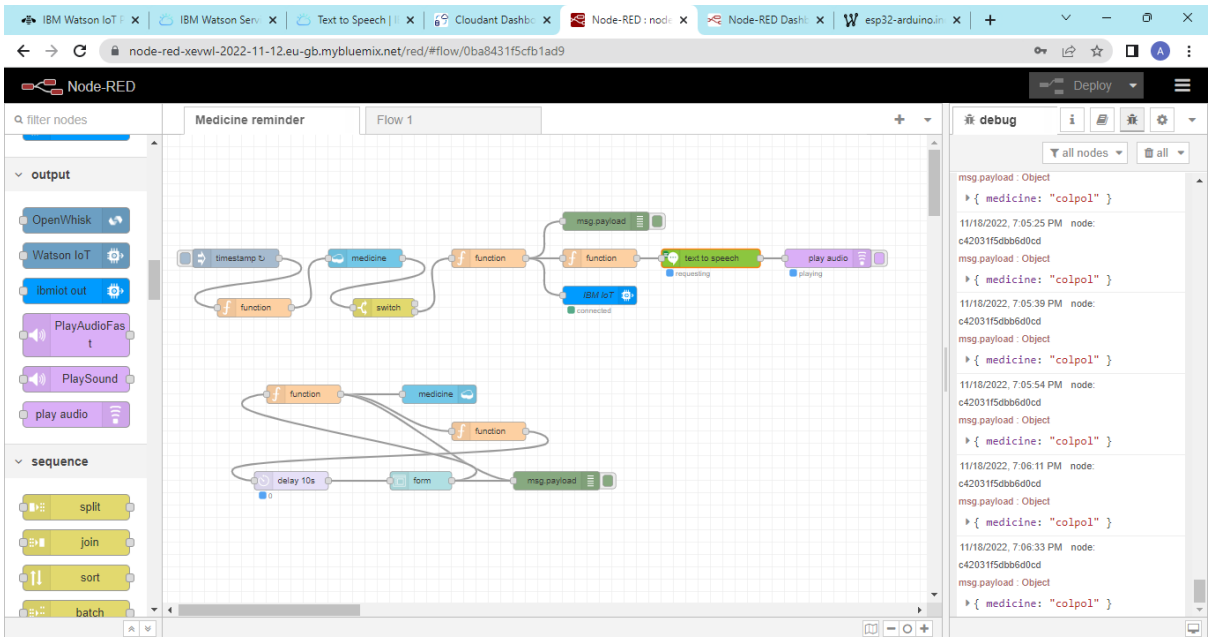
Objective:

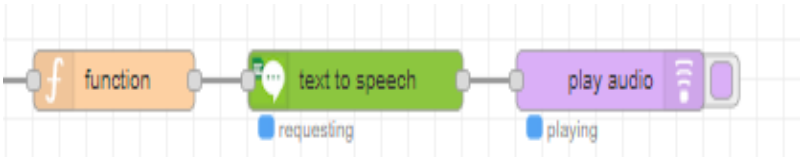
Converting the data received from cloud as voice using IBM Text to Speech service

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



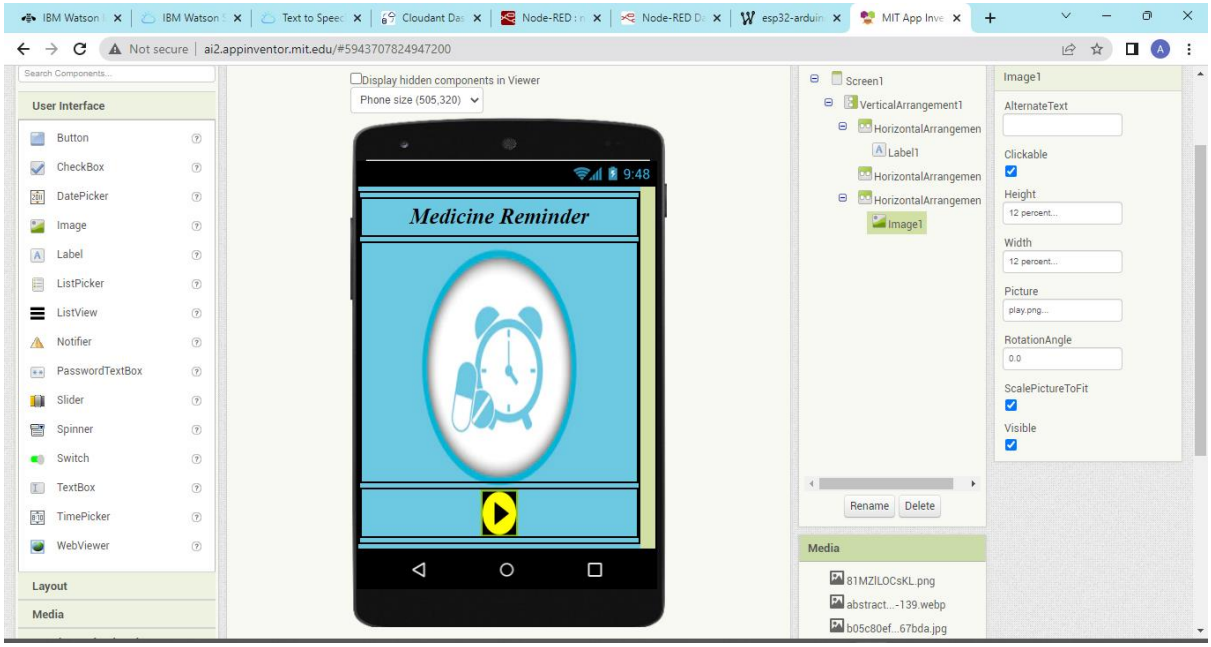
➢ Creating and configuring IBM Text-to-Speech node:



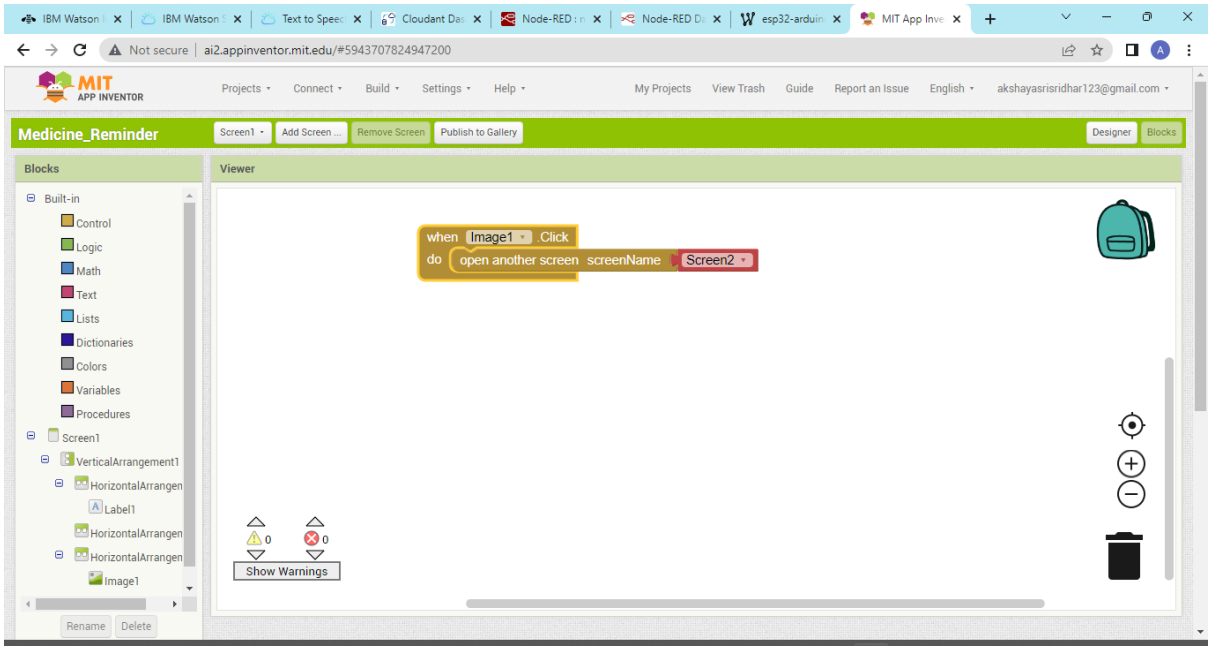


➢ APP UI CREATED USING APP INVENTOR:

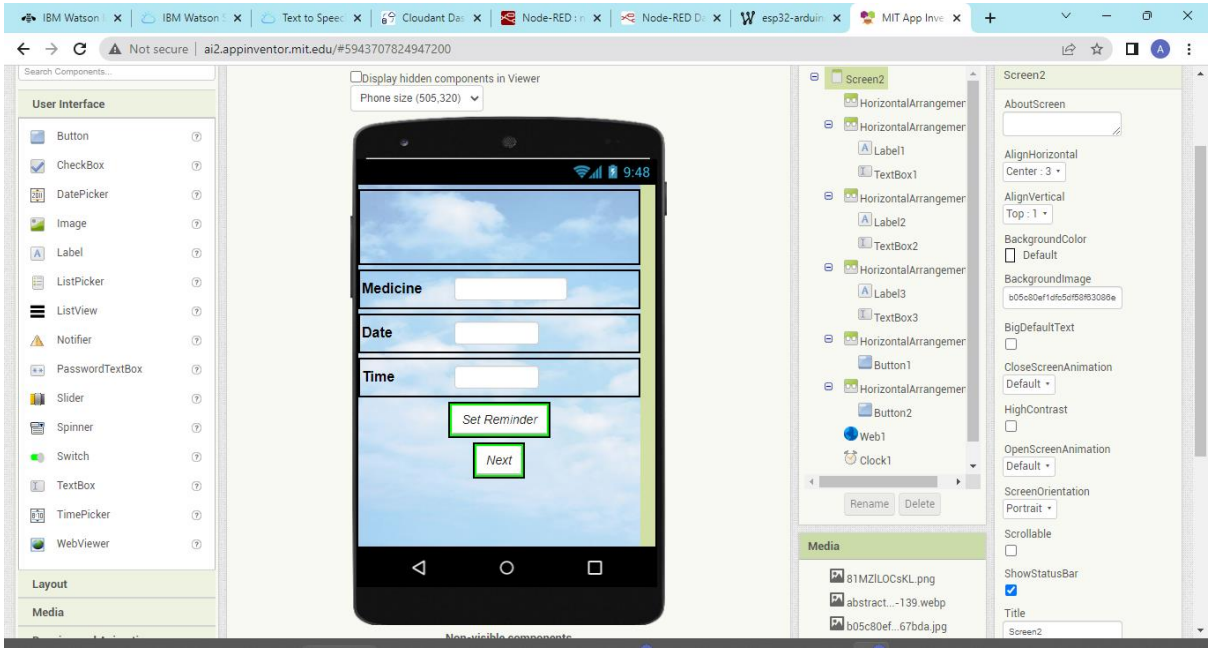
- **SPLASH SCREEN**



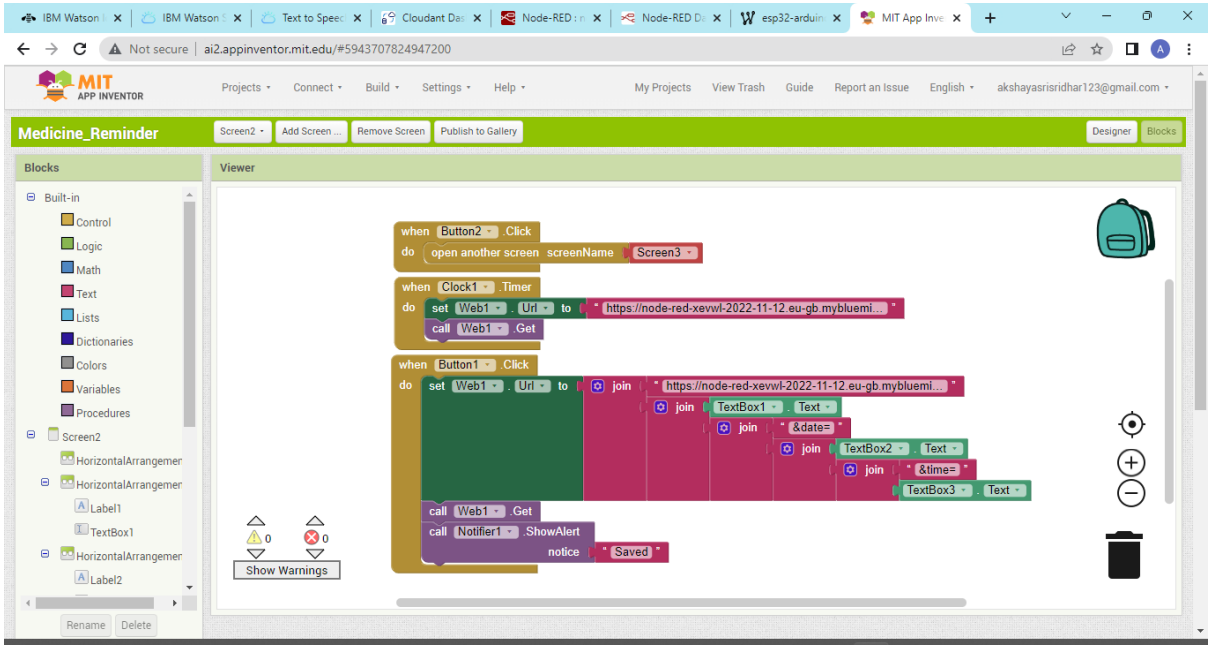
- **BLOCK FOR SPLASH SCREEN**



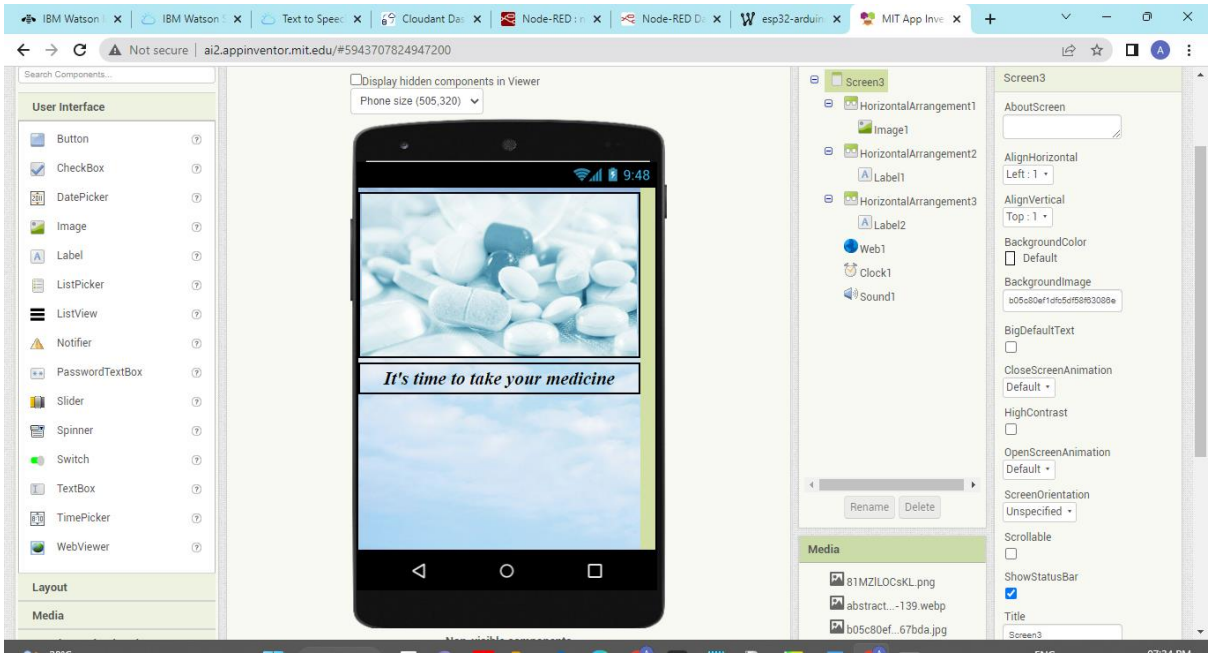
- **GET MEDICINE DATA FROM USER**



- **BLOCKS FOR USER INPUT**



- **DISPLAY REMINDER WITH AUDIO**



- **BLOCKS FOR REMINDER**