**PROJECT DEVELOPMENT PHASE**

### PROJECT DEVELOPMENT - DELIVERY OF SPRINT-4

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| **Team ID** | **PNT2022TMID47589** |
| **Project Name** | Personal Assistance for Seniors who are Self-Reliant |

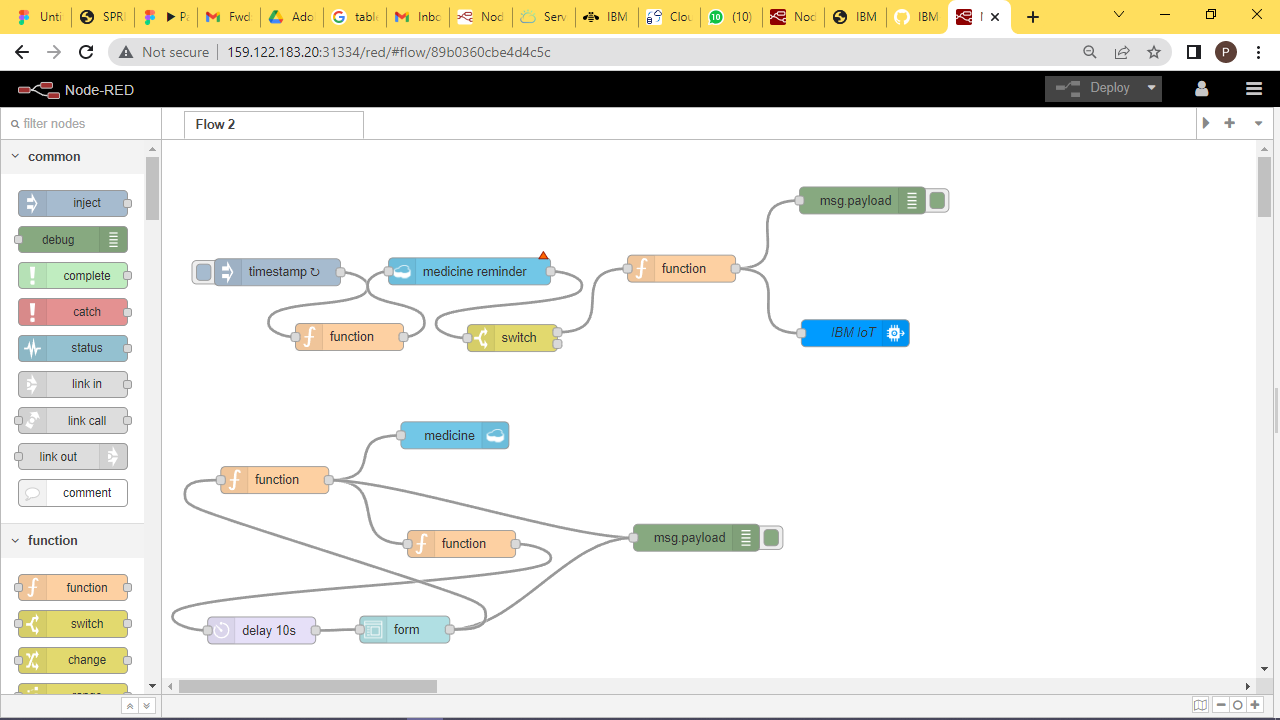
**SPRINT 4:**

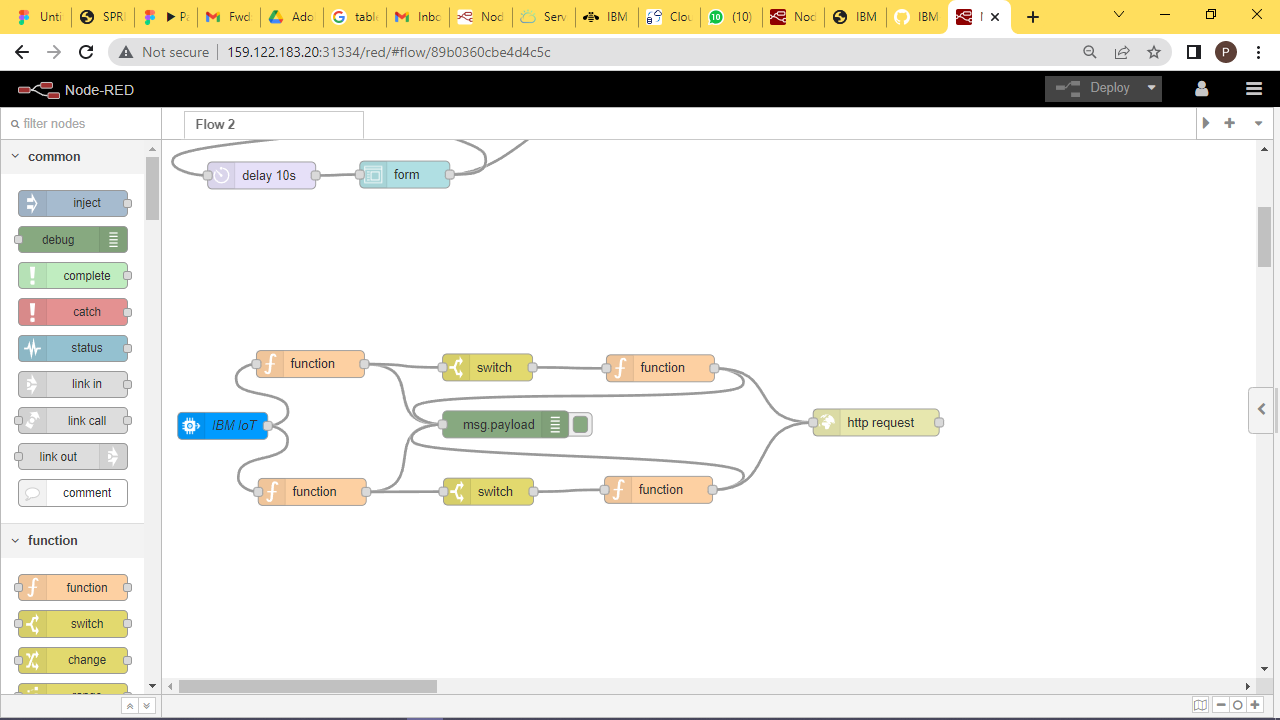
Describing the entire flow through node-RED.

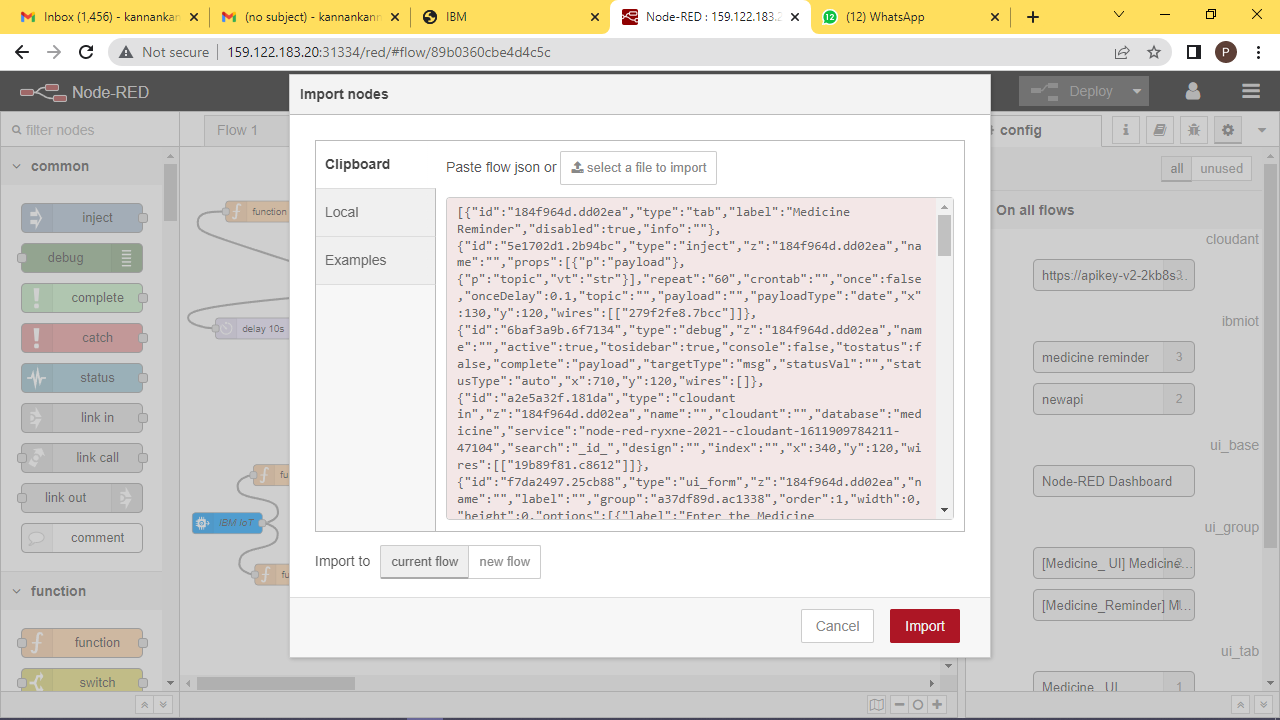
**Work Flow:**

* We have used IoT Watson platform for the creationϖ of IoT device.
* The web application is built using Node-RED forϖ collecting the medicine details from the users.
* We have used the cloudant DB for storing theϖ collected data.
* The web application will send the medicine details toϖ the created IoT device.
* The IoT device on receiving the details, it makes useϖ of TTS to remind the user about the medicine.
* By using TTS (Text to Speech) service from the IBMϖ platform, the medicinal information will be notified to the users in the form of voice commands.
* Following are the screenshots that demonstrate the Web UI where user interact with the software.

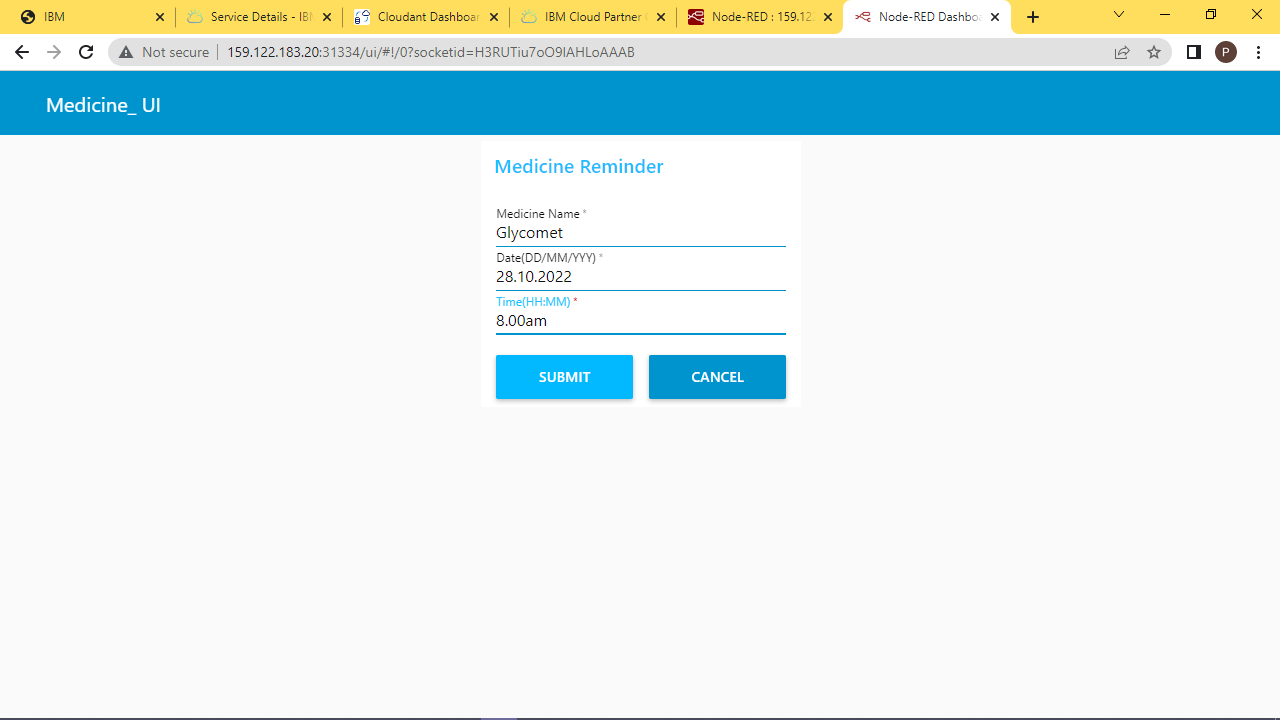
**NODE – RED FLOW:**

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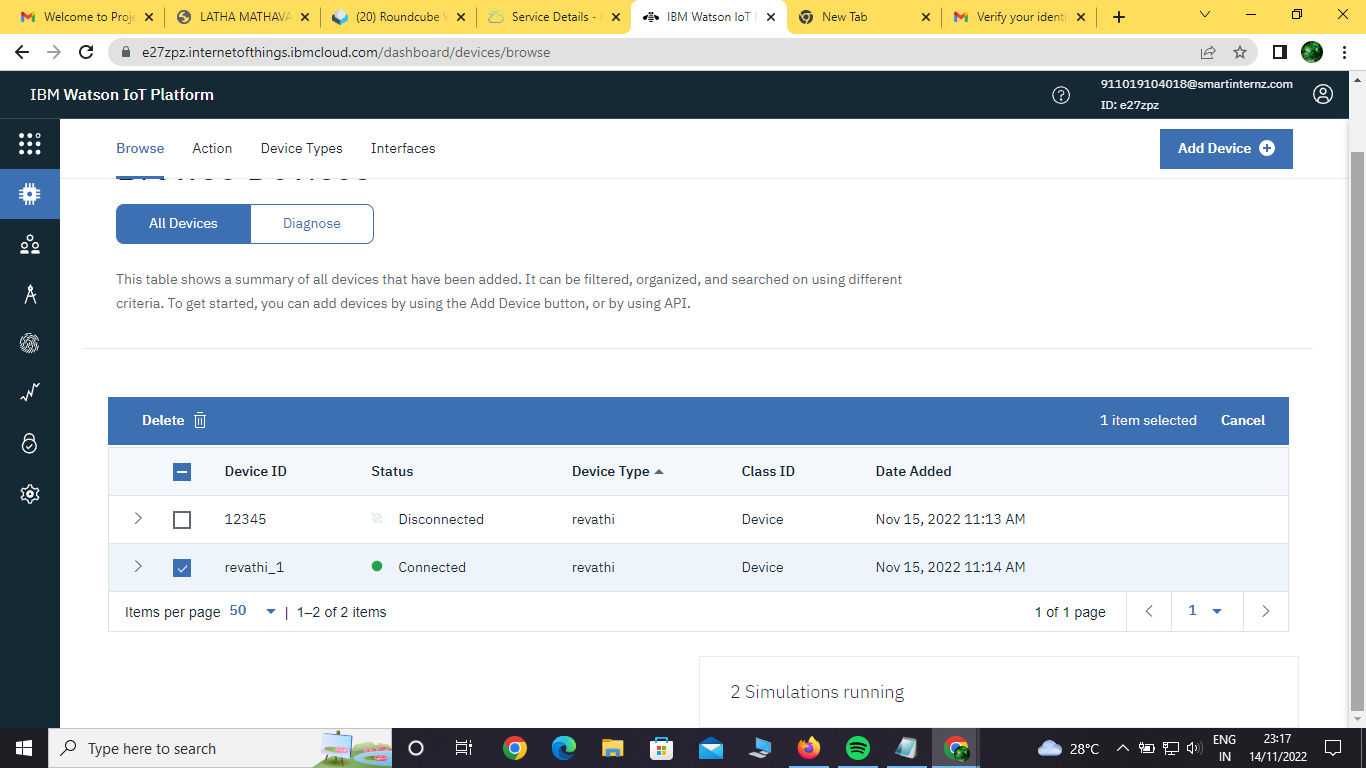
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The code has is exported .

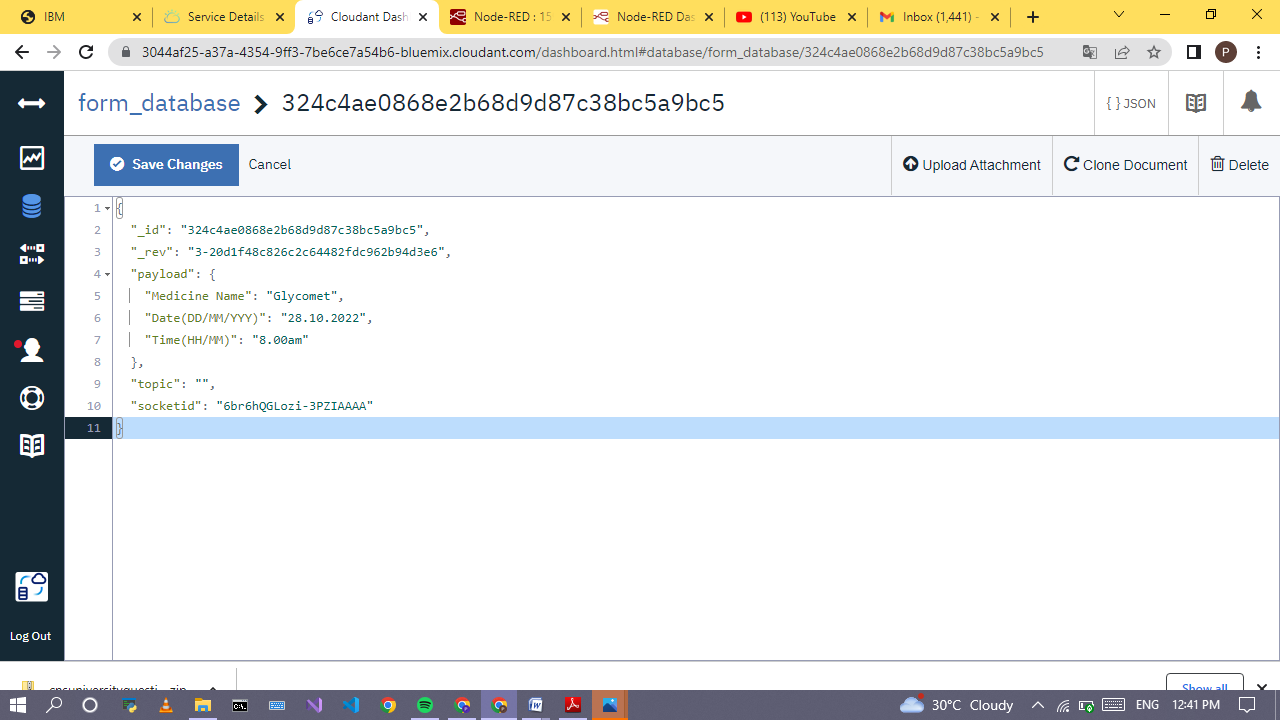
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**IBM IOT PLATFORM:**

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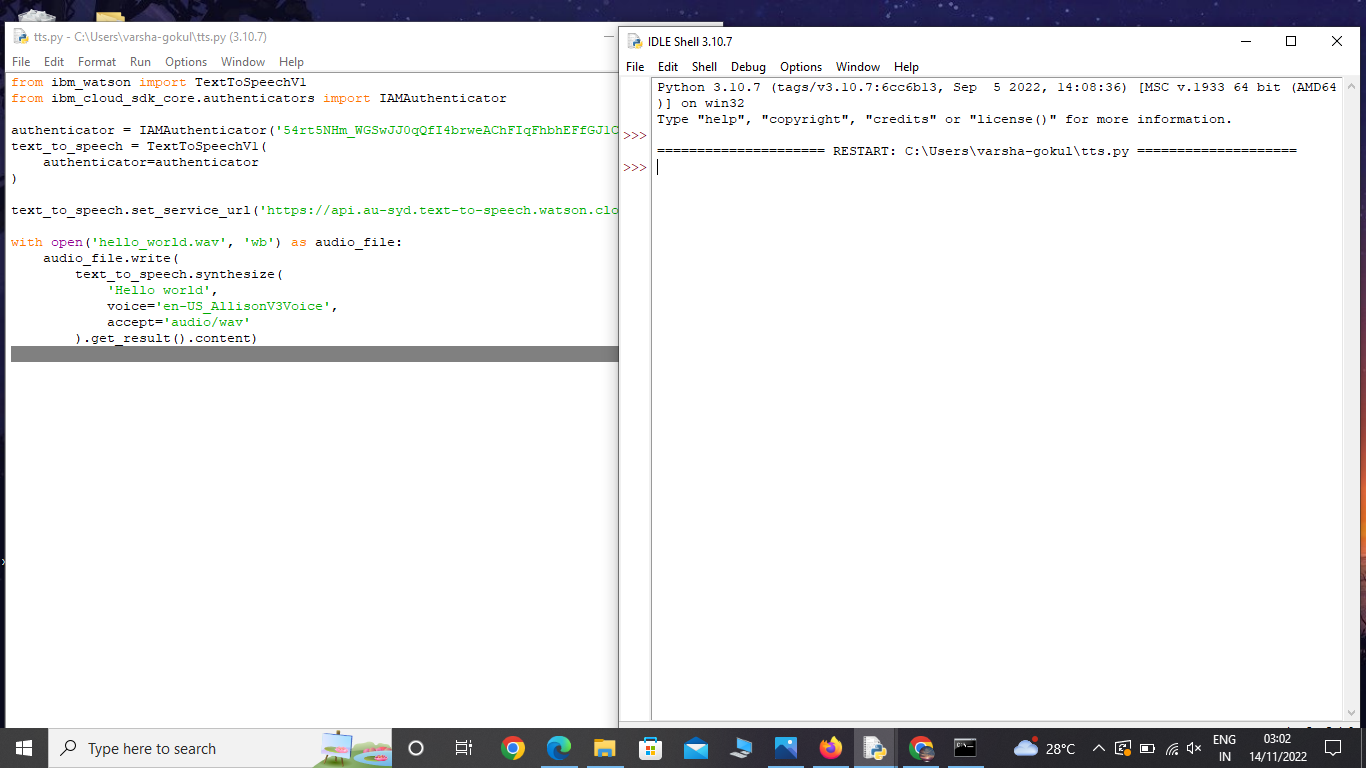
The user details are fetched by IoT device named as “Medreminder”which is created through IBM Watson Platform.

**IBM CLOUDANT DATABASE:**

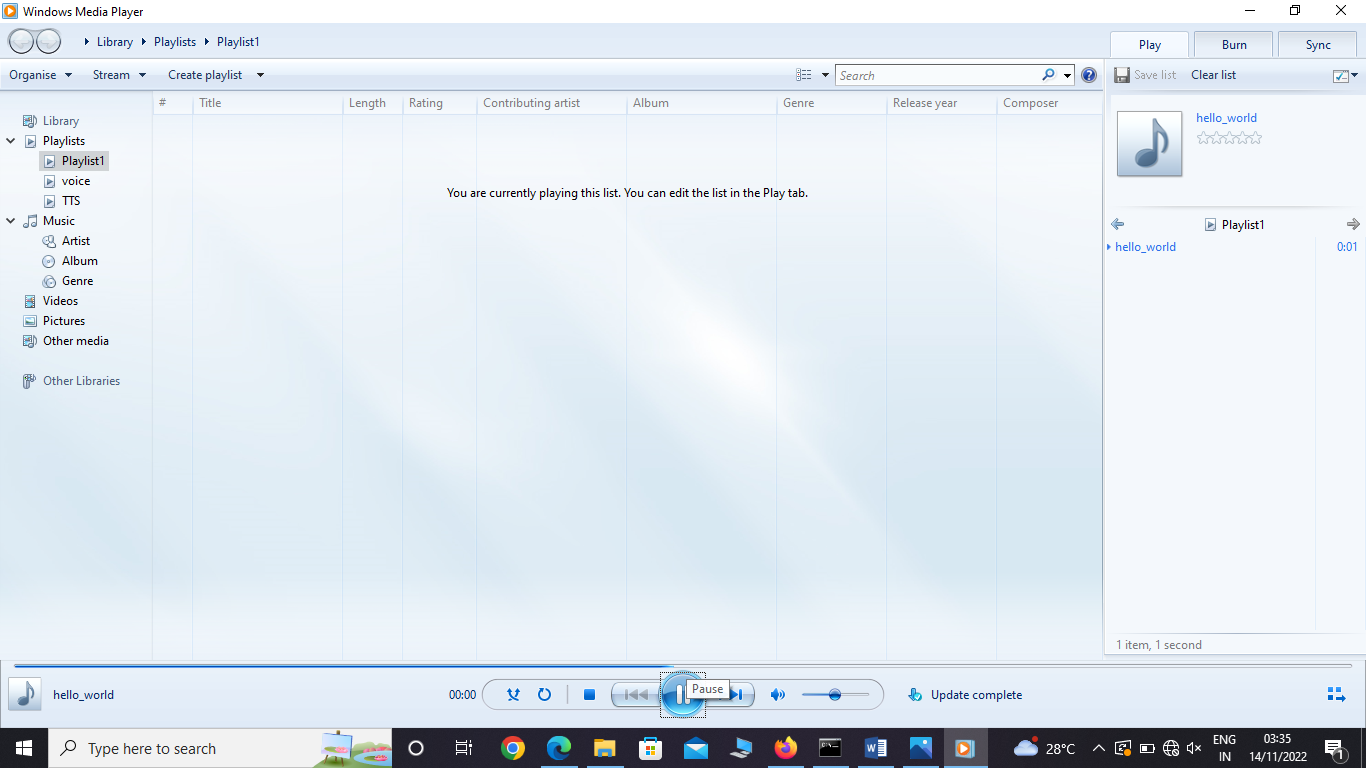
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All the medicine details from the user are get stored in IBM Cloudant Database in a JSON Format under the Medreminder database.

**TTS SERVICES:**

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This python file convert the text to speech using IBM TTS service .Using this ,Web application make an alert to the user via voice commands.

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Above screenshot contain the voice command when user get notification about intaking of medicine which is given by the user via web application.

**RESULT:**

Thus, By the end of the sprint-4, the Web UI where user interact with the software is successfully created and tested Successfully.