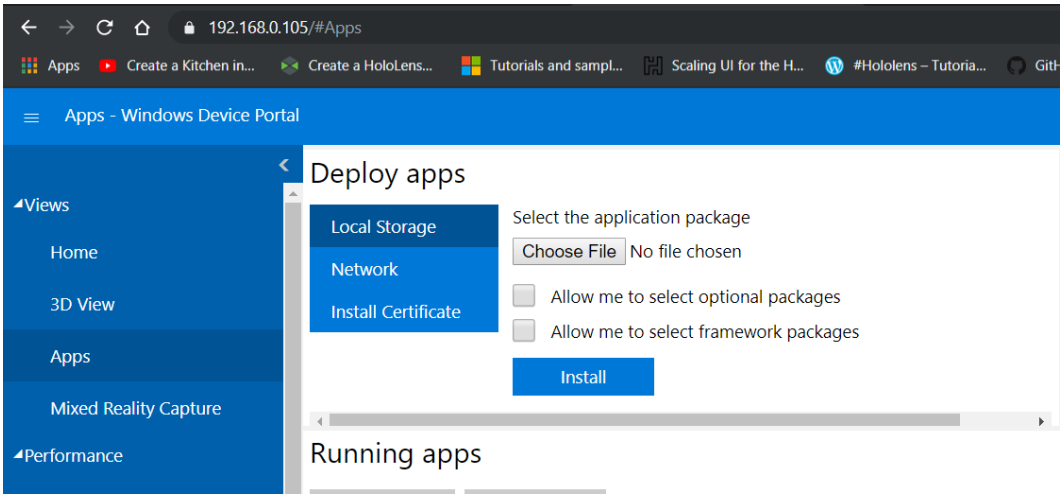
➔ HOW TO INSTALL GALAXY VS MR APP:

- Extract the zip folder of app package uploaded in box
- Connect HoloLens (if HoloLens is not available then use HoloLens Emulator) with WIFI and find it's IP address
- Open Windows Device portal for HoloLens in any browser by typing IP address in URL bar
- Now in Windows device portal -> views -> apps -> Deploy apps



- Inside Local Storage: choose file

  Select (ganesh_1.0.0.0_x86.appxbundle) from AppPackages\GalaxyVS\

- Then Select check box exist below choose file allow me to select optional packages

- As a dependency upload two files one by one
  1st - Microsoft.NET.CoreRuntime.1.1.appx

2nd -Microsoft.VCLibs.x86.14.00.appx
From AppPackages\GalaxyVS\Dependencies\x86

Now inside Local Storage these three files being uploaded now click install to start the installation process.

- Now inside Install certificate: upload certificate
  Named ganesh_1.0.0.0_x86.cer from AppPackages\GalaxyVS
  Click install to start the installation process of certificate

  After uploading these four files app will be installed on HoloLens with name GalaxyVS.

GALAXY VS MR APP

APPLICATION FLOW:

#1: Guide us with these sentences(voice) in the beginning of application

- ➔ look at galaxy VS display to identify the error code. **(HOLOLENS voice output)**
- ➔ if incase these commands are not working then simply restart the HoloLens to resolve this issue of HoloLens mic. It happens rarely **(HOLOLENS voice output)**
- ➔ Now Speak the error code loudly which you have identified from the display to start the procedure for that error code. **(HOLOLENS voice output)**

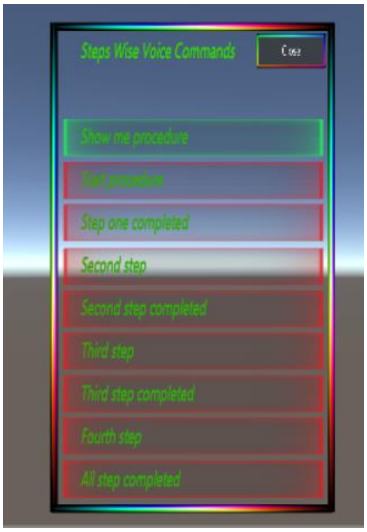
#2: In our case let's guess that UPS display showing error code :1-0-2-9

- ➔ So now we should speak error code which is exactly there in ups LCD display to launch the troubleshoot procedure.
- ➔ **HOLOLENS voice input command: error code one zero two nine**

So, this command will be responsible to launch the entire procedure to troubleshoot the error.

#3: After speaking, App will launch maintenance procedure with voice output(suggestion) and some panels it is basically gives the idea how to deal with application because end user doesn't have idea on operating the application.

- ➔ Welcome to maintenance portal. **(HOLOLENS voice output with displaying Product logo and voice command suggestion panel)**
- ➔ you can place this panel wherever you want by dragging. **(HOLOLENS voice output)**
- ➔ Use these commands to interact with the application if you aware of these commands then simply close this menu. **(HOLOLENS voice output)**
- ➔ here in panel green color represents current step and red color represent non-completed steps and grey color will represent finished steps so you have to focus on green tab and speak it to perform the appropriate step. **(HOLOLENS voice output)**



#4: 1st command from panel: Show me procedure (HOLOLENS voice input command)

- ➔ Please make sure that you are standing in front of ups Check whether bypass is enabled. **(HOLOLENS voice output)**
- ➔ alright here I am presenting the maintenance steps panel. **(HOLOLENS voice output)**
- ➔ you can place this panel wherever you want by dragging. **(HOLOLENS voice output)**
- ➔ Now steps panel containing checkboxes will be displayed.

#5: 2nd command from panel: Start procedure (HOLOLENS voice input command)

- ➔ Step one 3d objects (buttons) will be loaded.
- ➔ Gaze at check box and select step one to take appropriate maintenance action. **(HOLOLENS voice output)**
- ➔ Now select step-1 check box to see how we should perform step one in our troubleshooting process
- ➔ First step completed successfully. **(HOLOLENS voice output)**

#6: 3rd command from panel: Step one completed (HOLOLENS voice input command)

- ➔ This command is to inform HoloLens that step one is completed so it can make step one disappear.

#7: 4th command from panel: Second step (HOLOLENS voice input command)

- ➔ Second Step 3d objects (front door) will be loaded.
- ➔ please make sure to untuck elastic clip bottom side on the front door. **(HOLOLENS voice output)**
- ➔ now gaze at the check boxes to perform appropriate step. **(HOLOLENS voice output)**
- ➔ Now select step-2 check box to see how we should perform step two in our troubleshooting process
- ➔ Second Step completed successfully. **(HOLOLENS voice output)**

#8: 5th command from panel: Second step completed (HOLOLENS voice input command)

- ➔ This command is to inform HoloLens that second step is completed so it can make second step disappear.

#9: 6th command from panel: Third step (HOLOLENS voice input command)

- ➔ Third Step 3d objects (screw) will be loaded.
- ➔ Check whether it is in a SMB mode. **(HOLOLENS voice output)**
- ➔ Now gaze at the check boxes to perform appropriate step. **(HOLOLENS voice output)**
- ➔ Now select step-3 check box to see how we should perform third step in our troubleshooting process
- ➔ Third Step completed successfully. **(HOLOLENS voice output)**

#9: 7th command from panel: Third step completed (HOLOLENS voice input command)

➔ This command is to inform HoloLens that Third step is completed so it can make third step disappear.

#10: 8th command from panel: Fourth step (HOLOLENS voice input command)

➔ fourth Step 3d objects (power module) will be loaded.
➔ hope you had check SMB mode **(HOLOLENS voice output)**
➔ Now gaze at the check boxes to perform appropriate step. **(HOLOLENS voice output)**
➔ Now select step-4 check box to see how we should perform fourth step in our troubleshooting process
➔ Fourth Step completed successfully. **(HOLOLENS voice output)**

#10: 9th command from panel: All step completed (HOLOLENS voice input command)

➔ This command is to inform HoloLens that all step is completed so it can make 4th step disappear.
➔ now submit your report of completion of all task from maintenance menu using submit button **(HOLOLENS voice output)**

#11: 10th Submit button from maintenance steps panel:

➔ hey mate! Your task has been completed thanks for your time.
(HOLOLENS voice output)

NOW WE CAN CLOSE THE APPLICATION USING BLOOM GESTURE

Remaining Work:

Currently in development phase.

Developed using World anchor (Spatial anchor)

3D recognition not used due to paid SDK (in our case World anchor does the same job)

Reverse animation on closing assets of ups is still remaining (opening is covered in these four steps)

Personal reviews form expert is still remaining (they may suggest better way or something left in maintenance job)