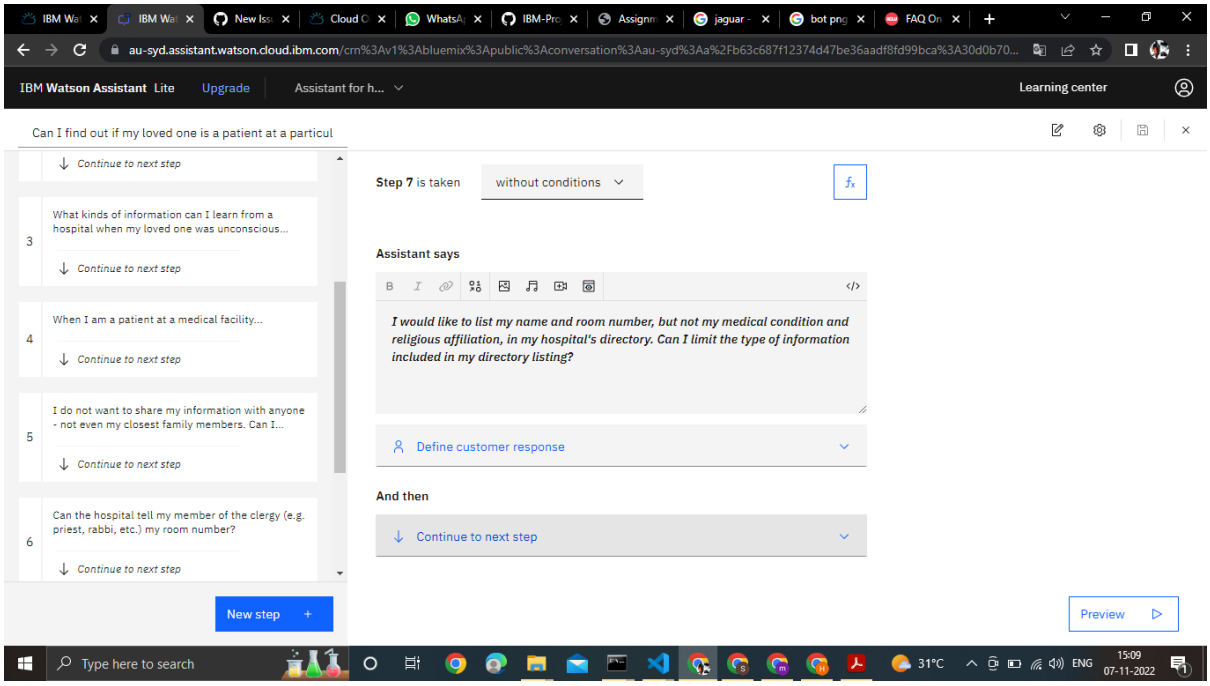
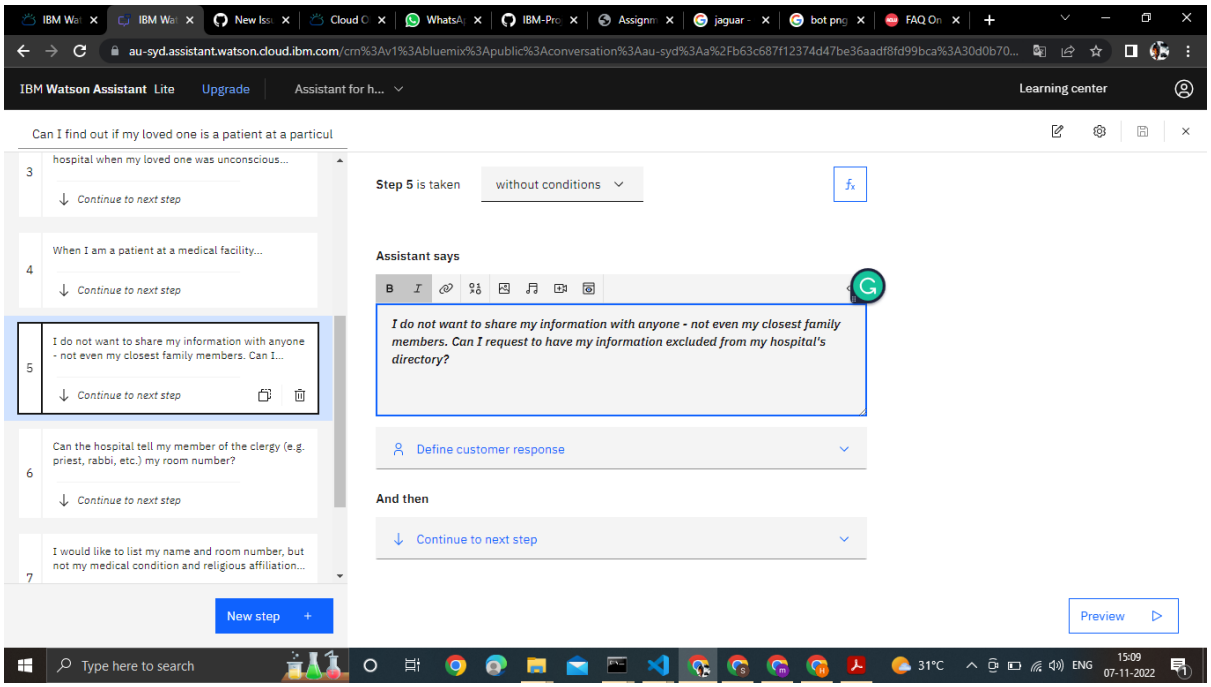
Assignment2

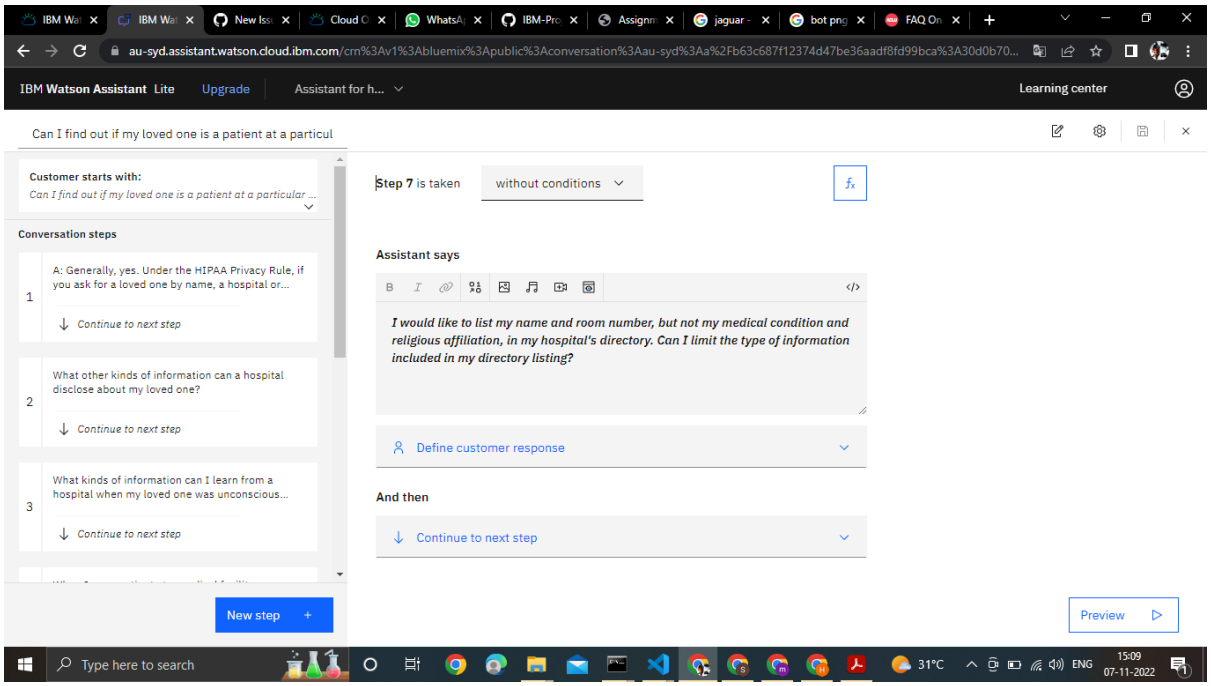
Project Title: Inventory Management System for Retailers

Team ID: PNT2022TMID43190

TASK 5 : Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.







Index.html

```
<!DOCTYPE html>

<html lang="en">

    <head>

      <meta charset="UTF-8" />

      <meta http-equiv="X-UA-Compatible" content="IE=edge" />

      <meta name="viewport" content="width=device-width, initial-scale=1.0" />

      <title>Home</title>

<link rel="stylesheet" href="{{url_for('redirect_to',link='https://s3.jp-tok.cloud-object-storage.appdomain.cloud/cloudbucket/assign3.css')}}" type="text/css">

  <script> window.watsonAssistantChatOptions = { integrationID: "14b83b8f-3dfd-405f-9520-b550092892aa", // The ID of this integration. region: "us-south", // The region your integration is hosted in. serviceInstanceID: "6e95bee9-8d0b-49f6-8a2f-4125fb3a7945", // The ID of your service instance.

      onLoad: function(instance) { instance.render(); }

    };

    setTimeout(function(){
```

```
        const t=document.createElement('script');
        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
    (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
      });
</script> </head>
    <body>
      <form action="/uploader" method="POST" enctype="multipart/form-data">
        <input type="text" placeholder="Enter file name" name="filename" />
        <br />
        <br />
        <input type="file" name="file" />
        <br />
        <br />
        <input type="submit" />
      </form>
      <br/>
      <br/>
      <br/>
      {% for row in files %}
          <div style="border: 1px solid #EFEFEF;margin:10px;">
            <h3>Filename : {{row}} </h3>
            <img src="https://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}"
    width="150px"></td>
          </div>
        {% endfor %}
    </body>
</html>
```

App.py

```
import io
from flask import
Flask,redirect,url_for,render_template,request import
ibm_boto3
from ibm_botocore.client import Config, ClientError

COS_ENDPOINT="https://s3.jp-tok.cloud-object-storage.appdomain.cloud"
COS_API_KEY_ID=""
COS_INSTANCE_CRN=""



cos = ibm_boto3.resource("s3",
        ibm_api_key_id=COS_API_KEY_ID,
        ibm_service_instance_id=COS_INSTANCE_CRN,
        config=Config(signature_version="oauth"),
        endpoint_url=COS_ENDPOINT
)
app=Flask(_name__)



@app.r
oute('/'
) def
index():
try:
            files =
            cos.Bucket('cloudbucket').objects.
            all() files_names = [] for file in
            files:
```

```
            files_names.append(file.key) print(file)
            print("Item: {0} ({1} bytes).".format(file.key,
            file.size))

        return render_template('index.html',files=files_names)


    except ClientError as be:
        print("CLIENT ERROR:
        {0}\n".format(be)) return
        render_template('index.html')

    except Exception as e:
        print("Unable to retrieve bucket contents:
        {0}".format(e)) return render_template('index.html')


@app.route('/uploader',methods=['P
OST']) def upload():

  name_file=request.for
    m['filename'] f =
    request.files['file'] try:

        part_size = 1024 * 1024 * 5


        file_threshold = 1024 * 1024 * 15


        transfer_config = ibm_boto3.s3.transfer.TransferConfig(
            multipart_threshold=file_threshold, multipart_chunksize=part_size

         )


        content = f.read()
        cos.Object('cloudbucket', name_file).upload_fileobj(
                Fileobj=io.BytesIO(content),
                Config=transfer_config
```

```
            )
        return redirect(url_for('index'))


    except ClientError as be:
        print("CLIENT ERROR:
        {0}\n".format(be)) return
        redirect(url_for('index'))


    except Exception as e:
        print("Unable to complete multi-part upload:
        {0}".format(e)) return redirect(url_for('index'))


if __name_=='_main_':
app.run(host='0.0.0.0',port=8080,debug=True
```