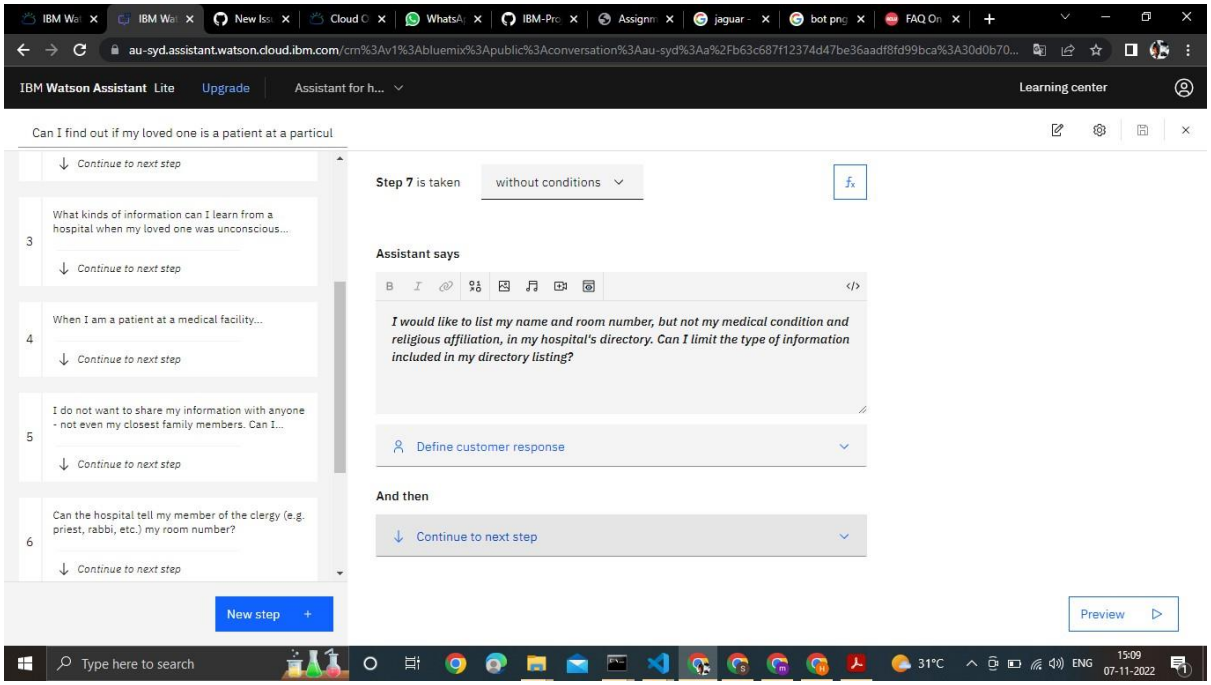
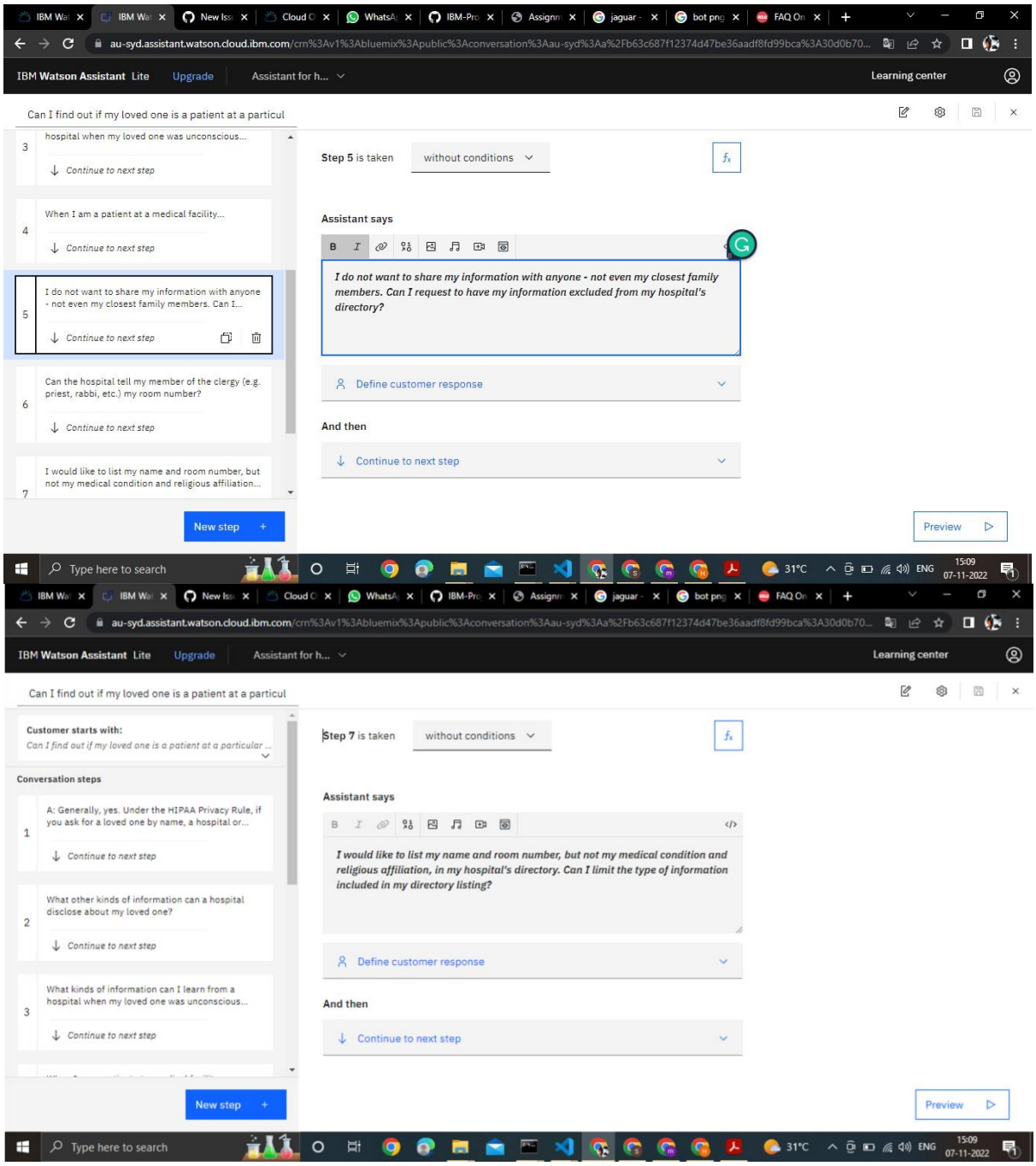
Assignment 3

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-9520b550092892aa", // 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
```