

Assignment 3

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Project Title	Inventory Management System for Retailers

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

The screenshot displays the IBM Watson Assistant Lite web interface. The browser address bar shows the URL: `au-syd.assistant.watson.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fb63c687f12374d47be36aad8fd99bca%3A30d0b70...`. The interface includes a top navigation bar with 'IBM Watson Assistant Lite', 'Upgrade', and 'Assistant for h...'. Below this, a sidebar on the left lists conversation steps 3 through 6, each with a 'Continue to next step' button. The main area shows 'Step 7 is taken' with a dropdown menu set to 'without conditions'. The 'Assistant says' section contains a text box with the following message: *I would like to list my name and room number, but not my medical condition and religious affiliation, in my hospital's directory. Can I limit the type of information included in my directory listing?* Below this, there is a 'Define customer response' button. The 'And then' section has a 'Continue to next step' button. A 'Preview' button is located at the bottom right of the interface. The Windows taskbar at the bottom shows the system clock as 15:09 on 07-11-2022.

The image displays two screenshots of the IBM Watson Assistant Lite interface, showing a conversation flow for a hospital directory.

Top Screenshot (Step 5):

- Customer starts with:** Can I find out if my loved one is a patient at a particular hospital when my loved one was unconscious...
- Conversation steps:**
 - Step 3: Continue to next step
 - Step 4: Continue to next step
 - Step 5:** I do not want to share my information with anyone - not even my closest family members. Can I... (Selected)
 - Step 6: Continue to next step
 - Step 7: Continue to next step
- Assistant says:** I do not want to share my information with anyone - not even my closest family members. Can I request to have my information excluded from my hospital's directory?
- Buttons:** Define customer response, Continue to next step, Preview

Bottom Screenshot (Step 7):

- Customer starts with:** Can I find out if my loved one is a patient at a particular...
- Conversation steps:**
 - Step 1: A: Generally, yes. Under the HIPAA Privacy Rule, if you ask for a loved one by name, a hospital or...
 - Step 2: What other kinds of information can a hospital disclose about my loved one? (Selected)
 - Step 3: What kinds of information can I learn from a hospital when my loved one was unconscious...
- Assistant says:** I would like to list my name and room number, but not my medical condition and religious affiliation, in my hospital's directory. Can I limit the type of information included in my directory listing?
- Buttons:** Define customer response, Continue to next step, Preview

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>

        </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
```

