

## Assignment 3

### Project Title: Inventory Management System for Retailers

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**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%2Fb63c687f12374d47be36aadf8fd99bca%3A30d0b70...`. The interface includes a top navigation bar with 'IBM Watson Assistant Lite', 'Upgrade', and 'Assistant for h...'. A 'Learning center' link is also present.

The main content area shows a conversation script with 6 steps. The first step is 'Can I find out if my loved one is a patient at a particular...'. The second step is 'Continue to next step'. The third step is 'What kinds of information can I learn from a hospital when my loved one was unconscious...'. The fourth step is 'Continue to next step'. The fifth step is 'When I am a patient at a medical facility...'. The sixth step is 'Continue to next step'. The seventh step is 'I do not want to share my information with anyone - not even my closest family members. Can I...'. The eighth step is 'Continue to next step'. The ninth step is 'Can the hospital tell my member of the clergy (e.g. priest, rabbi, etc.) my room number?'. The tenth step is 'Continue to next step'.

On the right side, the 'Step 7 is taken' section shows the assistant's response: 'without conditions'. Below this, the 'Assistant says' section displays the text: '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 the assistant's response, there is a 'Define customer response' button. The 'And then' section shows a 'Continue to next step' button.

At the bottom right, there is a 'Preview' button with a play icon. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time 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...
- Step 5 is taken:** without conditions
- 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?
- And then:** Continue to next step

**Bottom Screenshot (Step 7):**

- Customer starts with:** Can I find out if my loved one is a patient at a particular...
- Conversation steps:**
  - A: Generally, yes. Under the HIPAA Privacy Rule, if you ask for a loved one by name, a hospital or...
  - What other kinds of information can a hospital disclose about my loved one?
  - What kinds of information can I learn from a hospital when my loved one was unconscious...
- Step 7 is taken:** without conditions
- 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?
- And then:** Continue to next step

## 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
```

