

## ASSIGNMENT – 3

### PERSONAL EXPENSE TRACKER APPLICATION

|                 |               |
|-----------------|---------------|
| Assignment Date | 20.10.2022    |
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| Max Mark        |               |

#### Questions:

- 1.Create a Bucket in IBM object storage.
- 2.Upload 5 images to IBM object storage and make it public. Write html code to displaying all the 5 images.
- 3.Upload a CSS page to the object storage and use the same page in your HTML code.
- 4.Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with query to know the branches for that hospital in your city. Submit the web URL of that chat bot as a assignment.
- 5.Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

#### Create a Bucket in IBM object storage.

The screenshot displays the IBM Cloud console interface. On the left, a dark sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage instances, Cloud Object Storage-8x, Buckets (highlighted), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area has a top navigation bar with a search bar, 'Catalog', 'Manage', and 'Falila Banu's Account'. Below this, the breadcrumb 'Storage / Cloud Object Storage-8x /' is followed by the bucket name 'expensetracker44' and a 'Transfers' link. A green notification box in the top right corner states: 'A bucket created successfully! The bucket expensetracker44 has been created and is now available to add'. The 'Objects' tab is selected, showing a table with columns: Object name, Archived, Size, and Last modified. The table is currently empty, with a message below it: 'Drag and drop files (objects) to upload. An object is your data in fixed form.' and a link 'Drag and drop files (objects) here or click to upload'. An 'Upload' button is visible in the top right of the object list area.

## Upload an 5 images to IBM object storage

The screenshot shows the IBM Cloud Object Storage interface. The left sidebar contains navigation options: Cloud Object Storage, Storage instances, Cloud Object Storage-8x, Buckets (selected), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area displays the bucket 'expensetracker44' under the 'Storage / Cloud Object Storage-8x /' path. It includes tabs for 'Objects', 'Configuration', and 'Permissions'. A message states: 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads. [Learn more](#)'. Below this is a search bar with 'Prefix filter' and an 'Upload' button. A table lists the objects:

| <input type="checkbox"/> | Object name | Archived ⓘ | Size   | Last modified      |   |
|--------------------------|-------------|------------|--------|--------------------|---|
| <input type="checkbox"/> | im...jpg    |            | 8.5 KB | 2022-10-30 9:56 PM | ⋮ |
| <input type="checkbox"/> | im...jpg    |            | 5.8 KB | 2022-10-30 9:56 PM | ⋮ |
| <input type="checkbox"/> | im...jpg    |            | 6.1 KB | 2022-10-30 9:56 PM | ⋮ |
| <input type="checkbox"/> | im...jpg    |            | 8.5 KB | 2022-10-30 9:56 PM | ⋮ |
| <input type="checkbox"/> | im...jpg    |            | 6.2 KB | 2022-10-30 9:56 PM | ⋮ |

An 'Upload' button is visible in the top right corner of the object list area.

## Make the images to public access:

The screenshot shows the IBM Cloud Buckets interface. The left sidebar is the same as the previous screenshot, with 'Buckets' selected. The main content area displays the 'Buckets' section with a description: 'Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.' Below this is a search bar and a 'Create bucket +' button. A table lists the buckets:

| Name             | Public access ⓘ | Location ⓘ | Storage class | Created            |   |
|------------------|-----------------|------------|---------------|--------------------|---|
| expensetracker44 | Yes             | jp-tok     | Smart Tier    | 2022-10-30 9:55 PM | ⋮ |

A 'Virtual Assistant' button is located at the bottom right of the interface.

Displaying the images :



Create a Chatbot :

CHATBOT URL :

<https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fjp-tok.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-c371dcde-b75b-4b8f-aa33-abd1b615fa7d%3A%3A3c928eb7-b86b-4987-8011-28bd0b23488b&integrationID=238a365b-6981-4baf-b761-3555f7f9f4c9&region=jp-tok&serviceInstanceID=c371dcde-b75b-4b8f-aa33-abd1b615fa7d>

## Create Watson assistant with 10 steps and use 3 conditions in it:

The screenshot shows the IBM Watson Assistant interface. The top navigation bar includes "IBM Watson Assistant Lite", "Upgrade", "Expense Tracker...", and "Learning center". The main workspace is titled "I want to save and manage money".

On the left, a list of steps is visible:

- Step 1: "What is your name?" (Type Free text)
- Step 2: "Continue to next step"
- Step 3: "Have you download your tracking report?" (Confirmation)
- Step 4: "Enter expenses and track accordingly" (Type Free text)
- Step 5: "Continue to next step"

Step 3 is currently selected and expanded. It shows a condition group "with conditions" with 3 conditions:

- 4. Enter expe... is defined
- 5. Have you vi... is Yes
- 10. Have you ... is Yes

Below the conditions, there is a "New condition group +" button. At the bottom, the "Assistant says" section shows the prompt "Have you download your tracking report?" with a "Preview" button.

## Load that script in HTML page.

The screenshot shows a web page titled "Cloud Object Storage" with a sub-header "PROJECT - PERSONAL EXPENSE TRACKER APPLICATION". The user's name is listed as "NAME : FALILA BANU H (820319104015)".

The main content area features two prominent images:

- A red banner for "Daily Expense Tracker & Budget Planner" showing a smartphone app interface.
- A grey banner for "Monthly BUDGET PRINTABLE | UNLIMITED PRINTING" showing a printable budget sheet.

On the right side, a "Watson Assistant" chat window is open. The chat history shows:

- User: "I want to save money"
- Assistant: "What is your name?"
- User: "falila"
- Assistant: "Enter expenses and track accordingly"

The chat window also includes a "type something..." input field and a "Built with IBM Watson®" logo.