Lab 4: DynamoDB
DSCI 551 – Spring 2024
Due: 11:59pm, April 10, 2024, Wednesday
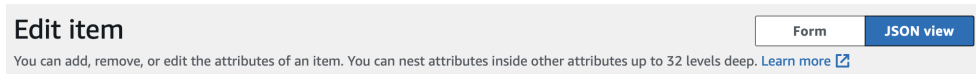## Points: 10

Create a DynamoDB table of your choice (except for the book example shown in class), with the following requirements:

    a.   The table must have a sort key
    b.   The table must contain at least one item
    c.   The item must have attributes of all the following types:
        i.   String
        ii.   Number
        iii.   String set/Number set
        iv.   List
        v.   Map

Tasks:

1. Explain why you selected the particular attributes as the partition key and sort key.
2. Insert at least one item into the table that meets all the type requirements mentioned above. Show a screenshot of this item in the DynamoDB console and identify each data type in the item.
3. Show the `JSON view` of the above item and explain its format (e.g., how each attribute's data type is presented in JSON view)
    a.   The `JSON view` can be found in DynamoDB console: DynamoDB > Explore table items > Edit item > JSON view

4. Execute the scan and query methods on your table. Show a screenshot for each operation.

Submission Instructions:

1. Submit one PDF file containing all the required answers and screenshots for each task.
2. Clearly mark each task with its number.
3. Late submissions will not be accepted.