# Lab 4: DynamoDB

## DSCI 551 – Fall 2024
### Due: 11:59pm, November 15, 2024, Friday
### Points: 10

Create a DynamoDB table of your choice, with the following requirements:
   a. It must have a sort key
   b. It must contain at least one item that contains attributes of the following types:
      i. String
      ii. Number
      iii. String set/Number set
      iv. List
      v. Map

**Tasks**, 2 points each task.

1. Explain why you selected the particular attributes as the partition and sort keys.
2. Explain how a hash function works and give an example of a hash function.
3. Show the screenshot of an item that satisfies the requirements b.
4. Show the JSON view of the above item and explain its format.
5. Show screenshots of executing the scan and query methods.

**Note**: Please make sure to Delete Dynamodb tables after completing the lab, to avoid charges (There is cloudwatch service attached to the tables and the service incurs some costs).

### SUBMISSION INSTRUCTIONS:
1. Submit a PDF file with answers/screenshot for the above questions.
2. LATE submissions will not be accepted.
3. 10% PENALTY if submission instructions are violated.