## McKesson Assignment 10 Deep Azure

## 

### Handed out: 12/14/2017 Due by 11:59 PM, midnight (CST) on Thursday, 01/04/2018

### You are welcome to do this assignment in the language of your choice.

**Problem 01.** Please use Azure Portal to create a CosmosDB Account using MongoDB API. Create a database and a collection. If you know what you are doing, please accomplish those tasks using PowerShell or Azure CLI. Subsequently, use a sample client application in the language of your choice to create and store two JSON documents describing people. As attributes use: firstname, lastname and occupation. Demonstrate that you can select and display documents using a query for a specified occupation. On the portal side, using Data Explorer, demonstrate that you can see stored JSON document. Base your work on one of the following instructions:

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-dotnet>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-java>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-flask>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-nodejs>

(45%)

**Problem 02.** Please use Azure Portal to create a CosmosDB Account using Graph API. Create a database and a graph. If you know what you are doing, please accomplish those tasks using PowerShell or Azure CLI. Subsequently, use a sample client application in the language of your choice to create and store three people (Mike, Sandeep and Mohammad). As properties of nodes use: firstName, lastName and jobTitle. Use graph relationships to express the fact that Mike and Mohammad work for Sandeep. On the portal side use Data Explorer to demonstrate that you can visualize stored graph. Base your work on one of the following instructions:

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-graph-dotnet>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-graph-java>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-graph-python>

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-graph-nodejs>

(45%)

**Problem 03.** Please delete all existing accounts and resource groups and demonstrate that you have no remaining Azure objects. Use Azure Portal do delete objects. Use Azure CLI to verify that you have no objects left.

(10%)

SUBMISSION INSTRUCTIONS:

Your main submission should be a MS Word or PDF document containing descriptions of your action while configuring Azure services. If your MS Word document is larger than 1 MB, save it as a MINIMIZED PDF. Please be merciful and capture small JPGs. Describe the purpose of every action and the significance of the results. Start with the text of this homework assignment as the template. Please add any other files that you might have used or generated. Please write your solution as if you are writing a tutorial for your colleagues. Please make your text readable. Make sure that your fonts, especially in captured images are not unreadable. Please do not provide ZIP or RAR or any other archives. Canvas cannot open those archives and they turn into a nuisance for us.