# **DP200 - Implementing a Data Platform Solution**

## Lab 1 - Azure for the Data Engineer

### Exercise 1: Identify the evolving world of data within AdventureWorks.

Use the table below to document the data requirements and data structure as identified from the AdventureWorks case study.

Below are examples of data requirements and data structures

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| # | Data requirement | Data Structure |
| 1 | A data store is made available that will hold the images of the products that are sold on the website. | Unstructured |
| 2 | A system to better serve customers with global availability of its application and sales and ordering data. | Structured |
| 3 | Data warehouse capabilities of Azure SQL Data Warehouse | Structured |
| 4 | Would like to take their data analytics further and start to utilize predictive analytics capabilities. | Semi-structured |
| 5 | Requested a platform is provided by the Data Engineer that enables them to store conversation history. | Semi-structured |
| 6 | The marketing department are keen to measure the impact of their twitter campaigns | Unstructured |
| 7 | The customer services department want to help their agents to identify fraudulent call for support | Semi-structured |
| 8 | First party and 3rd party applications have access to the information of the bicycle computer | Semi-structured |
| 9 | Bike telemetry data can be used to provide predictive maintenance | Semi-structured |