# **DP 200 - 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.

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| # | Data requirement | Data Structure |
| 1 | Data store containing images of the product available for sale on website | Unstructured |
| 2 | Data warehouse capabilities of Azure Synapse Analytics | Structured |
| 3 | Predictive analytics capability | Structured |
| 4 | Chat bot conversation data including historical messages | Semi-Structure |
| 5 | Data to conclude whether customer request is fraudulent | Structured |
| 6 | Twitter data with company’s hashtag | Unstructured |
| 7 | 1st and 3rd party application to access data in bicycle computer | Semi-Structure |
| 8 | Telemetry and usage information of bicycle | Semi-Structure |
| 9 | Globally availability of data for customers giving sales and order information | Structure |