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

## Lab 1 - Azure for the Data Engineer

### Exercise 1: Determine the Azure Data Platform services to use for AdventureWorks.

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

Below are examples of data requirements and data platform technologies

|  |  |  |
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| # | Data requirement | Technology |
| 1 | A data store is made available that will hold the images of the products that are sold on the website. | Azure Blob |
| 2 | A system to better serve customers with global availability of its application and sales and ordering data. | Cosmos DB |
| 3 | Data warehouse capabilities of Azure SQL Data Warehouse | SQL Data Warehouse |
| 4 | Would like to take their data analytics further and start to utilize predictive analytics capabilities. | Databricks |
| 5 | Requested a platform is provided by the Data Engineer that enables them to store conversation history. | Data Lake Store |
| 6 | The marketing department are keen to measure the impact of their twitter campaigns | Stream Analytics / Event Hubs |
| 7 | First party and 3rd party applications have access to the information of the bicycle computer | Stream Analytics / IoT Hubs |
| 8 | Bike telemetry data can be used to provide predictive maintenance | Stream Analytics / IoT Hubs |