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

## Lab 1 - Azure for the Data Engineer

### Exercise 2: 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.

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| # | **Data requirement** | **Technology** |
| 1 | AdventureWorks website | App Service |
| 2 | Website Data | Storage Account |
| 3 | Ordering System Data | Azure SQL Server DB |
| 4 | Ordering System Data | CosmosDB |
| 5 | Data Analysis | Azure Synapse Analytics |
| 6 | Data Analysis – Predictive Analytics | Azure Databricks |
| 7 | Customer Service – Chatbot | Azure Bot Service |
| 8 | Customer Service – Track real time fraudulent claim |  |
| 9 | Social Media Analysis | Azure Cognitive Services |
| 10 | Connected Bicycle | Azure IoT Hub + Azure CosmosDB |
| 11 | Connected Bicycle – Flat Files | Storage Account |
| 12 | Connected Bicycle – Pipelines | Azure Data Factory |
| 13 | Bicycle Predictive Maintenance Services | Azure Databricks |