# **DP201 - Designing an Azure Data Platform Solution**

## Lab 3 – Azure Real-Time Reference Architectures

Exercise 2

**Task 1: Build a high level Architecture that reflects a stream processing pipeline with Azure Databricks.**

Use the template below to document the high-level architecture that would form part of a stream processing pipeline with Azure Databricks.

Below are examples of the type of requirements that ***could*** be identified based on the evidence from the case study.

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| 1. **Connected bicycle streaming data** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

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| 1. **Performing predictive analytics of bicycle maintenance** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

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| 1. **Holistic real-time architecture** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

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| **Complete holistic architecture – (Batch and real-time mode)** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |