**Assignment 1: The Solving Problem Process**

ID: u3306676

Name: Girlie Oaing Ortiz

Unit: Introduction to Information Technology (8936)

## **Step 2: Organise and Describe Data**

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| **Parameter** | **Type** | **Sample value** |
| Feeding time | Input | 8am, 6pm |
| Food level sensor | Input | 1000g |
| Pet food bowl weight sensor | Input | 50g |
| Initial food weight in bowl | Input | 200g |
| Current food weight in bowl | Input | 120g |
| Food weight per meal | Constant | 200g for dogs, 120g for cats |
| Is pet bowl empty | Boolean | Yes/No |
| Is food level okay | Boolean | Yes/No |
| Has the pet eaten | Boolean | Yes/No |
| Dispense food | Process | Action to rotate motor |
| Wait 10 mins | Process | 10 minutes |
| Rotate motor | Output | On/Off |
| Send alert | Output | On/Off |