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Masters in Business Informatics
4478 Introduction to Information Technology Assignment 1

Step 2: Organise and Describe the Data

Data table with inputs/outputs and operational parameters.

Parameter	Type	Discrete/Continuous	Units	Sample Value	Variable type
Current Time	Input	Continuous	HH:MM	10:00PM	datetime.time
Feeding Time	Input	Discrete (Y/N)	HH:MM	8:00 PM 6:00 PM	datetime.time
Food Level in container	Input	Continuous	% (how full the container is)	60%	int
Bowl weight	Input	Continuous	grams	30g	int
Food dispensed status	Input	Discrete	Boolean (Y/N)	Y	boolean
Food consumption status	Input	Discrete	Boolean (Eaten/Not)	Eaten	boolean
Pet presence detection	Input	Discrete	Boolean (Present/Not)	Present	boolean
Motor rotation to dispense food	Output	Discrete	Boolean (on/off)	ON	boolean
Alert Notification	Output	Discrete	Boolean (red/green)	Green - no alert Red - with alert	boolean
Feeding log entry	Output	Discrete	Database record	8:00PM - successful dispense and feed	string