**HW 1: Data Modeling and Normalization**

Considering the given business scenario, the critical data requirements would be as follows:

1. Manufacturer data to maintain information about the Manufacturer since TTi has gone into a contract with multiple manufacturers in China and Taiwan.
2. Inventory data to maintain the available inventory for products(Laptop, Desktop Mobile etc.) to be assembled.
3. Product data (Laptop, Desktop Mobile etc.) to maintain the available products that can be included in packages.
4. Customer data to maintain information about the customer and the customer type. (SMB, Non-SMB)
5. Package data to maintain the available number of packages that can be sold.
6. Maintenance plan data to maintain the number of maintenance plans available to the customer based on the customer type.
7. Transaction data to maintain information about the packages and warranty plans sold.
8. Employee Data to maintain the number of employees working for TTi and in which department.