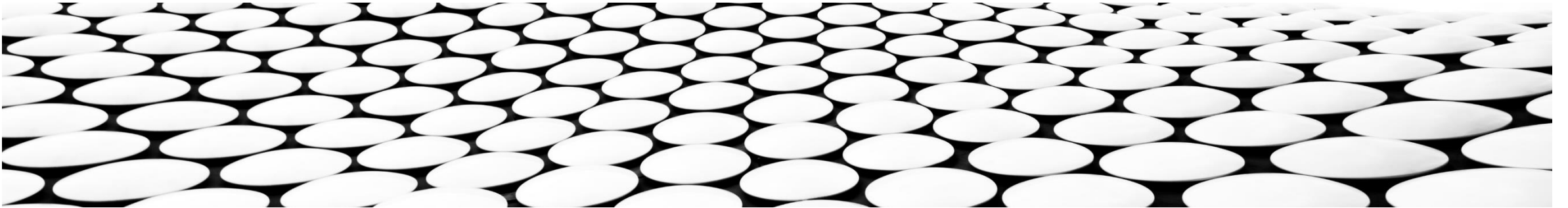


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# **DATABASE MANAGEMENT SYSTEM**

CREATED BY :

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## Information Hierarchy

- Data: The raw Material of Information
- Information: Data organized and presented in a particular manner.
- Knowledge: Justified True belief. Information that can be acted upon.
- Wisdom: Integrated knowledge. High level understanding

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## Some examples

- **Purchases from a supermarket**
- Bar code reader to scan each purchase.
- Bar code reader is linked to an **application program that uses the bar code to find out the price of the item from a product database.**
- This **program reduces the number of such items in stock and displays the price on the cash register.**
- If the reorder level falls below a specified threshold, the **database system may automatically place an order to obtain more stocks of that item.**

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## Credit Card Example

- Purchases using your credit card
- Assistant normally **checks you have sufficient credit left to make the purchase. This can be done on the telephone or may be done automatically by a card reader linked to a computer system.**
- There is a **database somewhere that contains information about the purchases you have made on your credit card.**
- To check your credit there is a **database application program that uses your credit card number to check that the price of the goods you wish to buy together with the sum of the purchases you have already made this billing period is within your credit limit.**



**Thank You!**