

Database Management System

Assignment No 1

➤ **Instructions:**

➤ **Read the following case:**

- A retail company wants to move from Excel-based inventory management to a full-fledged database system. The company has multiple branches and manages thousands of products, suppliers, and customer orders.

➤ **Based on the case, answer the following:**

1. Identify five essential components of the database environment relevant to the case.
2. Explain the database development lifecycle you would follow, with at least five stages.
3. Highlight challenges the company might face during migration.
4. Suggest which type of DBMS (RDBMS, NoSQL, etc.) might be best suited and justify your choice.

➤ **Expected Output:**

- Detailed report (approx. 3–4 pages)
- Flowchart of database development stages
- Justification and reasoning for each step and choice

Important instruction:

- Data must not be copied from the websites.
- Explain all question properly after getting the knowledge in depth from different resources.
- Each student must have different content, no one can copy the assignment of other students.
- Assignment must be on MS word in typed form.
- Assignment must be submitted before dead line.
- Assignment must be submitted on google class room and then also submit it to me in hard form in class room.