

P3: Logical ERD Model

Group: 4

## **Supply Chain Management Systems For Perishable Goods**

Brief Description of Changes:

The following updates were made to the initial ERD :

1. Resolved Many-to-Many Relationships: Many-to-many relationships like Supplier to Material were replaced with an associative entity called SupplyReport
2. Normalization (3NF): Multivalued and composite attributes were removed to convert the system to 3rd Normal Form, ensuring each attribute is atomic and non-redundant
3. Primary and Foreign Keys: Primary keys and foreign keys are assigned for each entity and relationships are defined while maintaining referential integrity
4. Simplified Relationships: All relationships are now one-to-one (1:1) or one-to-many (1)

