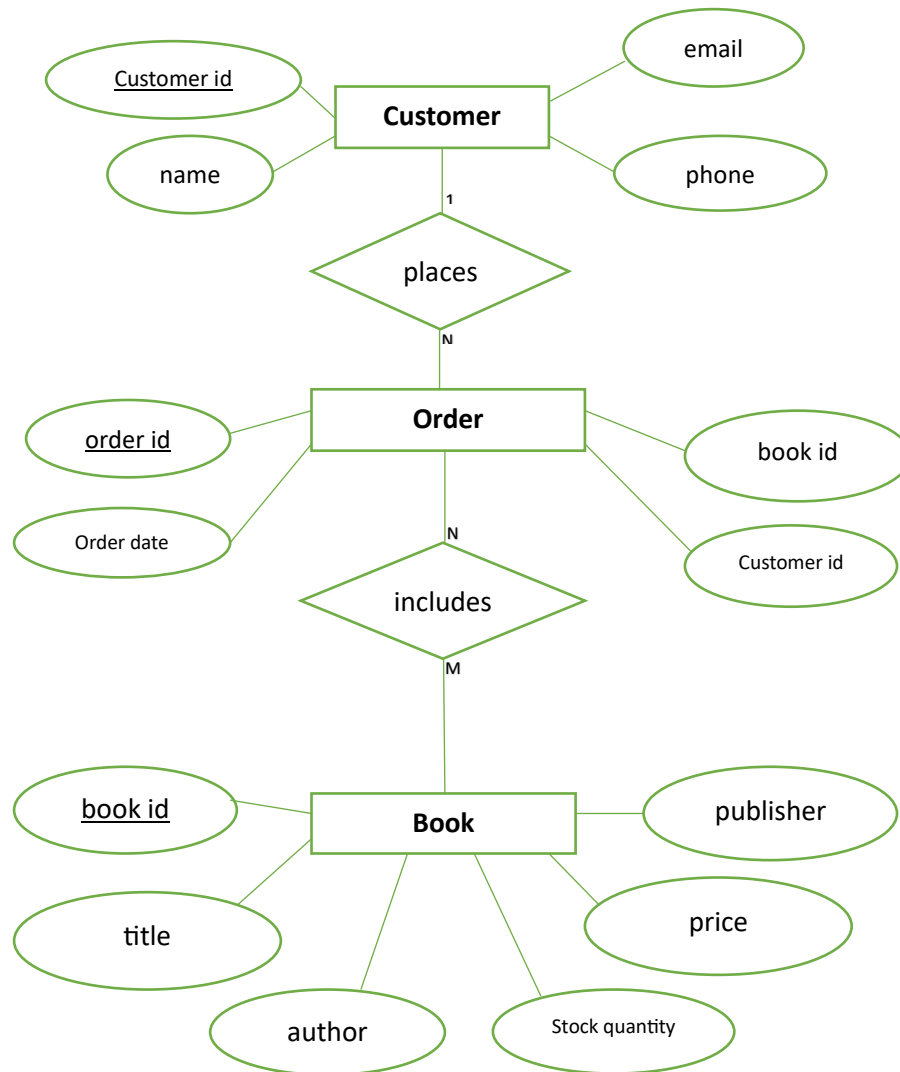


Assignment 1: Analyze a given business scenario and create an ER diagram that includes entities, relationships, attributes, and cardinality. Ensure that the diagram reflects proper normalization up to the third normal form.

ER Diagram for Book Store



Normalization

1. **1NF (First Normal Form):** All attributes are atomic, and each entity has a primary key.
2. **2NF (Second Normal Form):** All non-key attributes are fully functionally dependent on the primary key.
3. **3NF (Third Normal Form):** All attributes are functionally dependent only on the primary key. There are no transitive dependencies.