

Logical Data Models

Exercise Handout



Exercise – creating a logical data model

Scenario

A District Council operates several libraries that contain over 100,000 books, 25,000 DVDs, and 10,000 games. It currently has a membership of nearly 7,000 members.

Each library is run by a small number of librarians who currently operate a card index system to control the loan of books, DVDs, and games to its members. The librarians require a new computer system because they cannot cope with the demand using the manual system.

Tasks

1. Identify the attributes for each entity, including key attributes for primary keys and foreign keys.
2. Create an enhanced entity-relationship diagram using any diagramming tool.



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