CMPUT 291

Introduction to File and Database Management

E-R Modeling: A Case Study Scenario for a Movie Rental Store

1. A video store rents movies to members

2. Each movie in the store has a title and is identified by a unique movie number

3. A movie can be in one or multiple formats including VHS, VCD and DVD

4. Each movie belongs to only one of a given set of categories (action, adventure, comedy…)

5. The store has a name and a (unique) phone number for each member.

6. Each member may provide a favorite movie category (used for marketing purposes).

7. There are two types of members:
   - **Golden Members**
     Require their credit cards and can rent more than one movies each time.
   - **Bronze Members**
     Don't require their credit cards and can rent only one movie each time.
8. A member may have a number of dependents (with known names).

9. Each dependent is allowed to rent one movie at a time