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Data Modeling
Project 1

Conceptual

- Create a conceptual data model

    1. Model Explorer

    2. Create a new er diagram

    3. Right click on empty space and click Properties

    4. Go under members tab

    5. Bring over available objects

    6. Go under entity tab

    7. Change logical display level to definition

- Create subcategory of payment

    1. Home/Sub-category

    2. Connect the super-entity and the sub-entity

    3. Continue steps 1 and 2 for every sub-entities

- Delete CustomerCredit and MovieStore

    1. Right click on entity and delete

- Create a relationship between Store and Movie Copy

    1. Home/Identifying or Non-Identifying

    2. Drag from child to parent entities

Logical

- Remove abbreviated words

    1. Tools/Naming Standards

    2. Glossary

    3. Delete words

- Change table name to proper case

    1. Bulk Editor

2. Choose table for object types

3. Choose physical name, name, definition, and comment for property types

4. Select all object instances

5. Save the file

6. Open in excel

7. Copy name column into Notepad++

8. Change the case to proper case and paste it over name and physical name columns

9. Save and load the file back into erwin DM

- Change attribute name to proper case

    1. Bulk Editor

    2. Choose column for object types

    3. Choose physical name, name, definition, and comment for property types

    4. Select all object instances

    5. Save the file

    6. Open in excel

    7. Copy name column into Notepad++

    8. Change the case to proper case and paste it over name and physical name columns

    9. Save and load the file back into erwin DM

- Change relationship naming convention

    1. Bulk Editor

    2. Choose relationship for object types

    3. Choose physical name, name, child entity, parent entity, definition, and comment for property types

    4. Select all object instances

    5. Save the file

    6. Open in excel

    7. Change physical name to "FK_Child Entity_Parent Entity"

    8. Save and load the file back into erwin DM

- Change view name to proper case

1. Bulk Editor

2. Choose view for object types

3. Choose name and definition for property types

4. Select all object instances

5. Save the file

6. Open in excel

7. Copy name column into Notepad++

8. Change the case to proper case and paste it over name column

9. Save and load the file back into erwin DM

- Change attributes of Payment

  1. Add the respective attributes to the subcategory tables

  2. Remove the attributes from Payment

- Remove address2 from domain

  1. Change every attribute using address2 to address

  2. Delete address2

- Modify MovieRentalRecord

  1. Make Payment Transaction Number and Movie Copy Number the primary keys

  2. Remove Movie Number and Rental Record Date

Physical

- Change naming convention to pascal case

  1. Tools/Model Naming Options

  2. Go to name mapping tab

  3. Change special characters to remove

- Make fully qualified table

  1. Model Explorer

  2. Create a new schema

  3. Make the views and tables under this schema

  4. Right click on empty space and click Properties

5. Go under table tab

6. Check Display Owner

- Modify datatypes

1. Model Explorer

2. Go to address under domains and right click Properties

3. Change address to varchar(60)

4. Change to date for datetime

5. Go back to the model

6. Change numeric to money for each tables