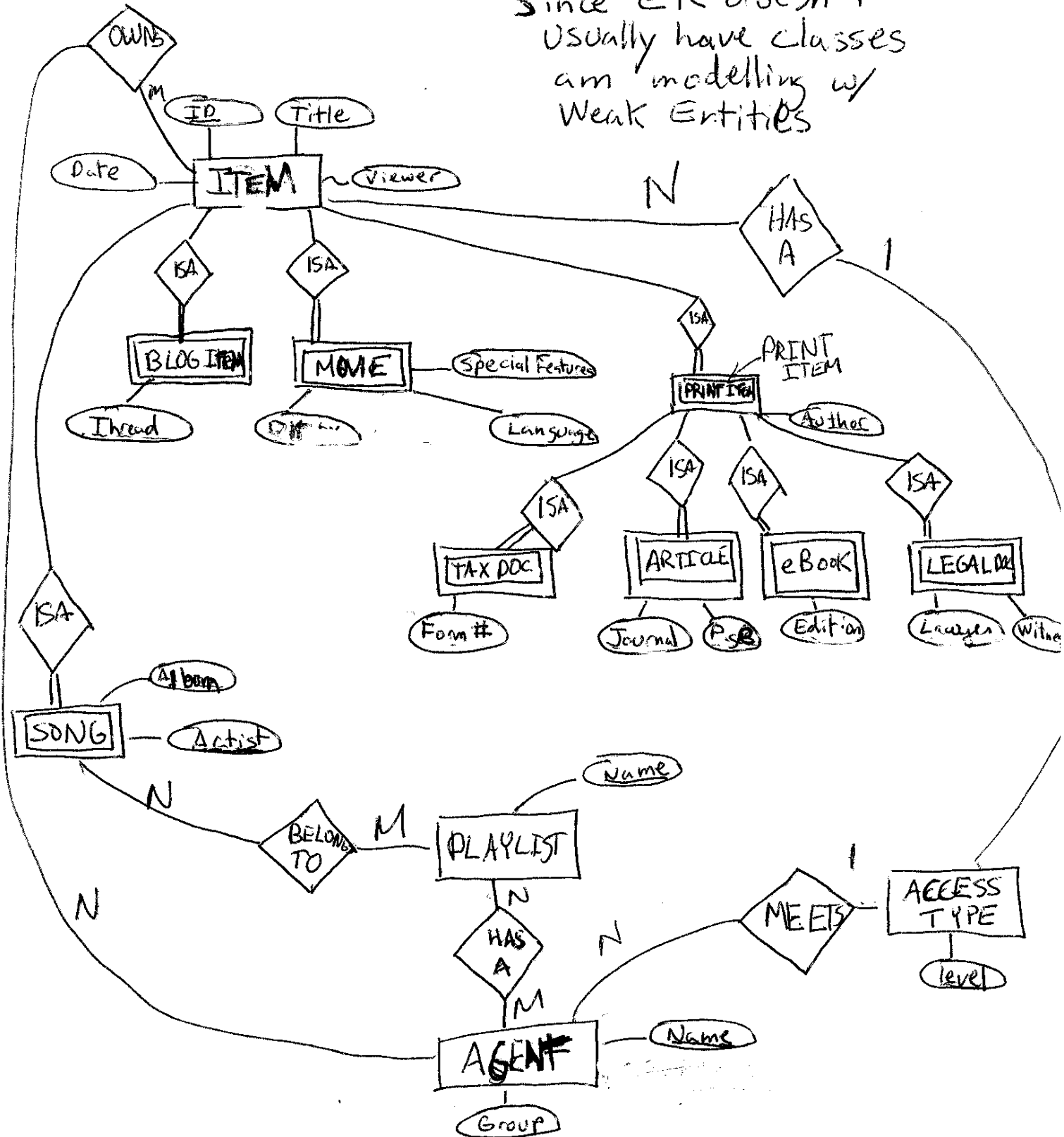


HW1 Part 1

ER Diagram for Digital Library

Since ER doesn't usually have classes am modelling w/ Weak Entities



Computing Tables from ER Diagram

① Map Entities to Tables

ITEM

<u>ID</u>	Title	Viewer	Date
-----------	-------	--------	------

PLAYLIST

<u>Name</u>

AGENT

<u>Name</u>	Group
-------------	-------

ACCESS_TYPE

<u>LEVEL</u>

② MAP Weak Entities

BLOG_ITEM

<u>ID</u>	Thread
-----------	--------

MOVIE

<u>ID</u>	Director	Special Features	Language
-----------	----------	------------------	----------

ID makes multivalued put in separate table

PRINT_ITEM

<u>ID</u>	Author
-----------	--------

SONG

<u>ID</u>	Artist	Album
-----------	--------	-------

TAX_DOC

<u>ID</u>	Author	Form#
-----------	--------	-------

ARTICLE

<u>ID</u>	Author	Journal	Page
-----------	--------	---------	------

EBOOK

<u>ID</u>	Author	Edition
-----------	--------	---------

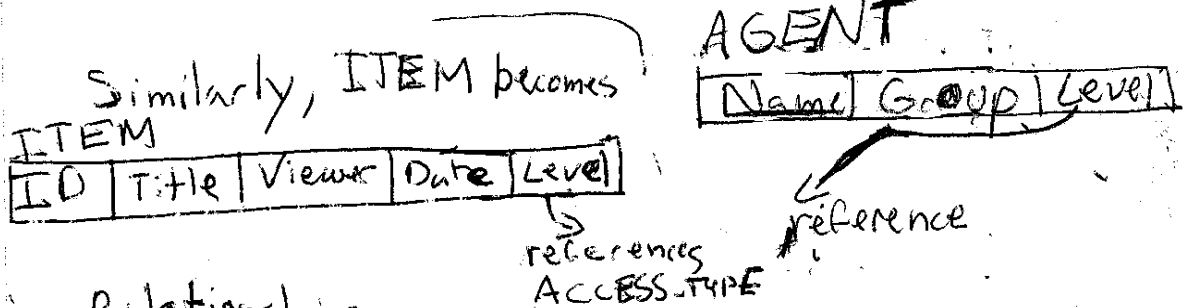
LEGAL_DOC

<u>ID</u>	Author	Lawyer	WR
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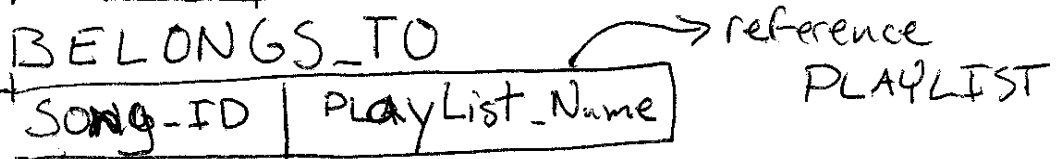
③ Map Relationships

Add Foreign Keys for 1:1 and 1:N Relationships
Create New Tables for N:M Relationships

AGENT now becomes:



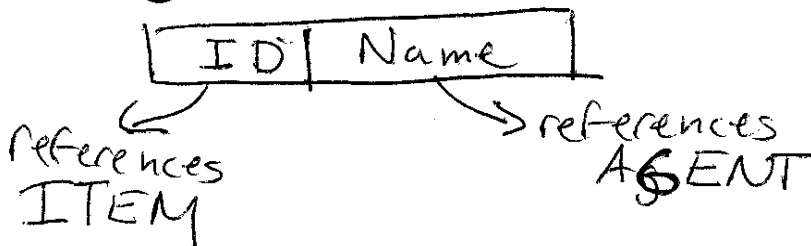
Remaining Relationships



reference

SONG

OWNS



AGENT_PLAYLIST

