Project 1: ER Modeling & Schema Design

Bill Chang

1.

(1) Find a book of a specific genre

SELECT \*

FROM Book B

WHERE B.genre = “XXX”

(2) Find books that have won some awards

SELECT W.isbn, B.title

FROM Win W, Book B

WHERE W.awardid = “XXXXXXXXXX” AND W.isbn = B.isbn

(3) Update the Info for New Edition of the Book

UPDATE Book B

SET B.edition = Y

WHERE B.isbn = “XXXXXXXXXX”

(4) Recommendation System

INSERT

INTO Rate (user\_id, isbn, rating, comment)

VALUES (“XXXXXXXXXX”, “YYYYYYYYYY”, Z, “…”)

(5) Create Follow System to help users tracking their favorite authors

INSERT

INTO Follow (user\_id, author\_id)

VALUES (“XXXXXXXXXX”, “YYYYYYYYYY”)