

Project 1: ER Modeling & Schema Design

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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", "YYYYYYYYYYY", Z, "...")
```

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

```
INSERT  
INTO Follow (user_id, author_id)  
VALUES ("XXXXXXXXXX", "YYYYYYYYYYY")
```

