

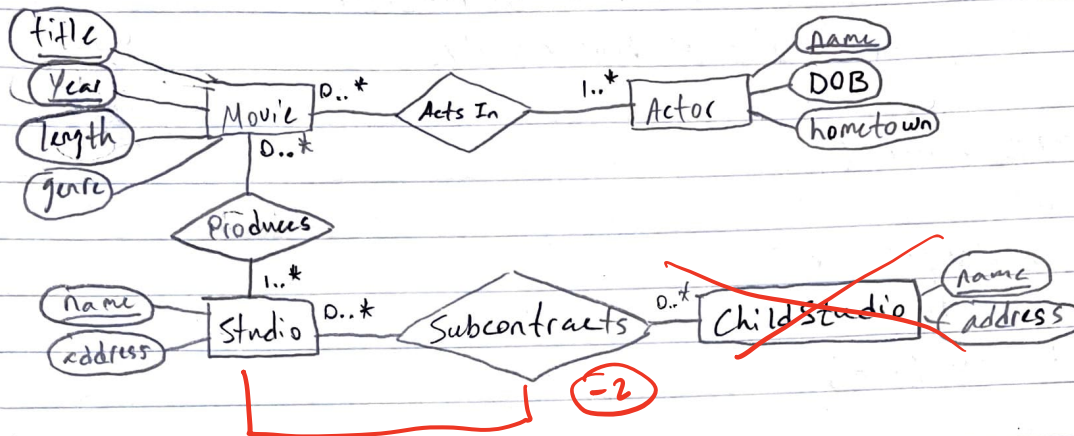
30/40

P2: ✓
see comment

10/12

HW #4

①

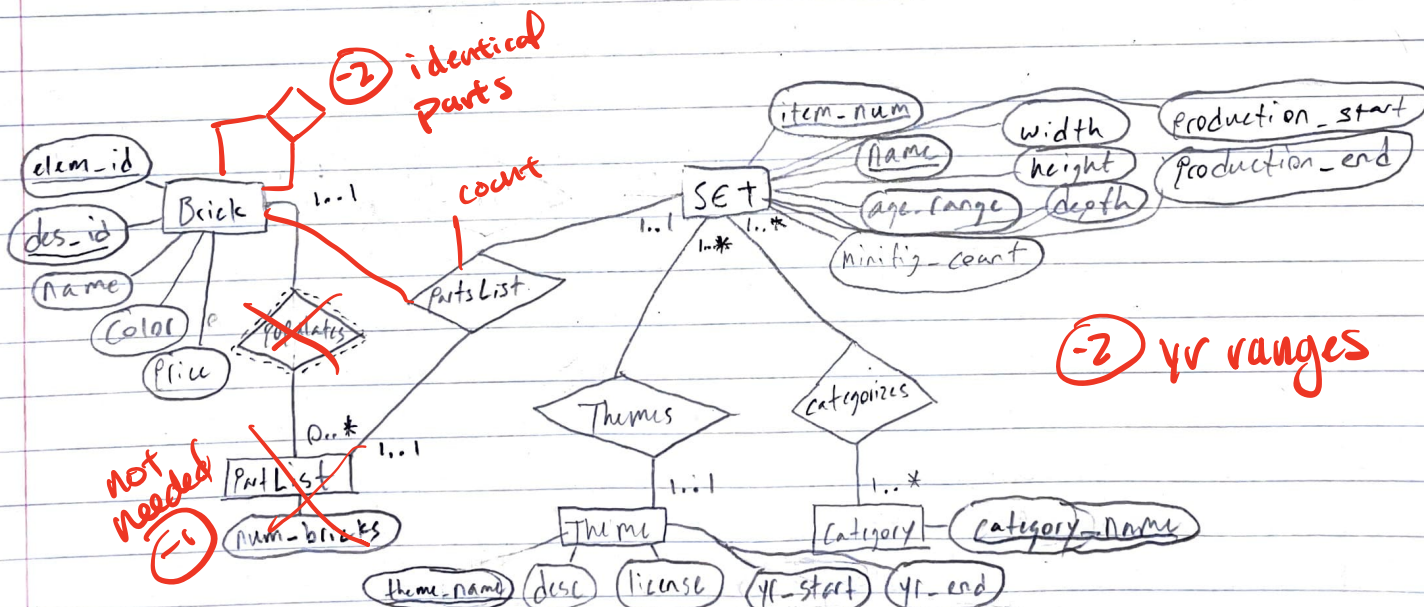


②

Bus (bus-id, type, shift) -1
Route (route-id, color, assigned to bus)
Drives (bus-id, driver-id, shift)
Driver (driver-id, name)
Busstop (stop-num, coord, route-id)

Fks?
-2

③



④

Brick (elem-id, des-id, name, color, price)
PartList (elem-id, item-num, num-bricks)
Set (item-num, name, category-name, minifig-count, width, height, depth, production-start, production-end, theme-name)
Theme (theme-name, desc, license)
category (category-name)
SetCategory (item-num, category-name, age-range)

This design is better because it accounts for multiple categories a set could have, while also denoting all keys properly.

⑤

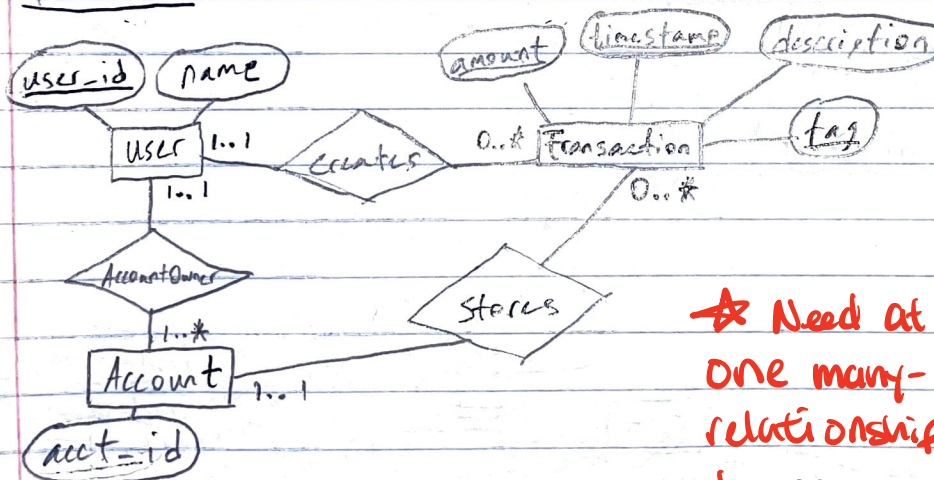
```
CREATE TABLE course (
  crn : INT,
  semester : ENUM('F', 'S'),
  semester_year : YEAR,
  PRIMARY KEY (crn)
);
```

```
mysql> DESCRIBE course
-> ;
```

Field	Type	Null	Key	Default	Extra
crn	int(11)	NO	PRI	NULL	
semester	enum('F','S')	YES		NULL	
semester_year	year(4)	YES		NULL	

3 rows in set (0.01 sec)

Part two



★ Need at least
one many-many
relationship
types