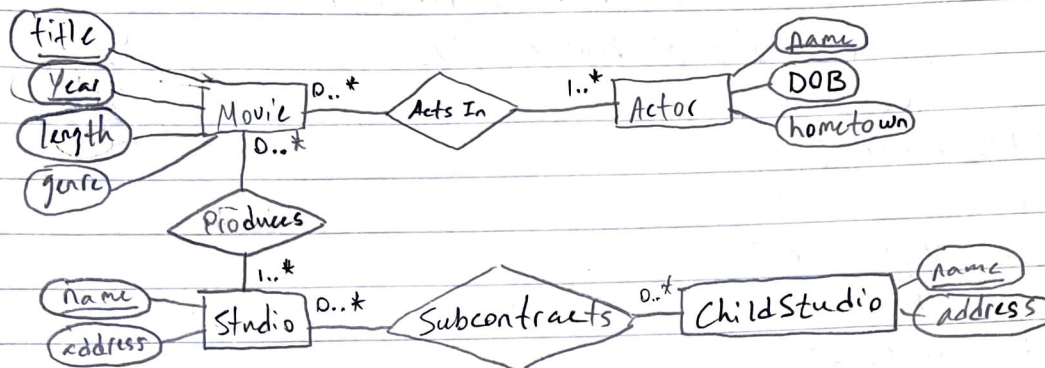


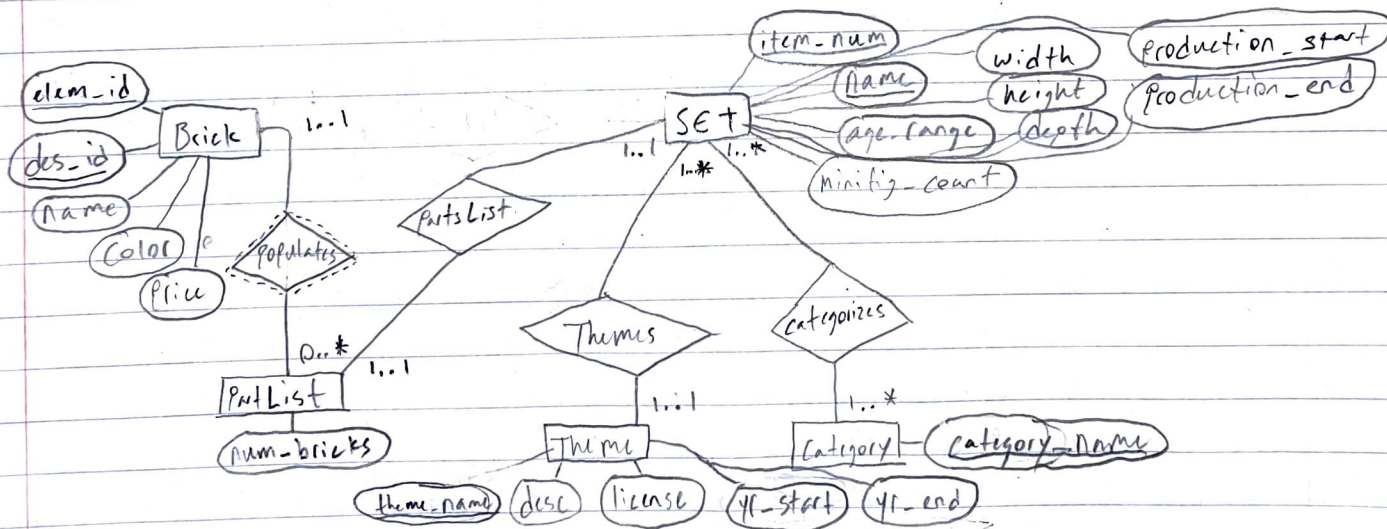
HW #4

1



- 2
- Bus (bus-id, type, shift)
 Route (route-id, color, assigned bus)
 Drives (bus-id, driver-id, shift)
 Driver (driver-id, name)
 Busstop (stop-num, coord, route-id)

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

