

Katie Stevens

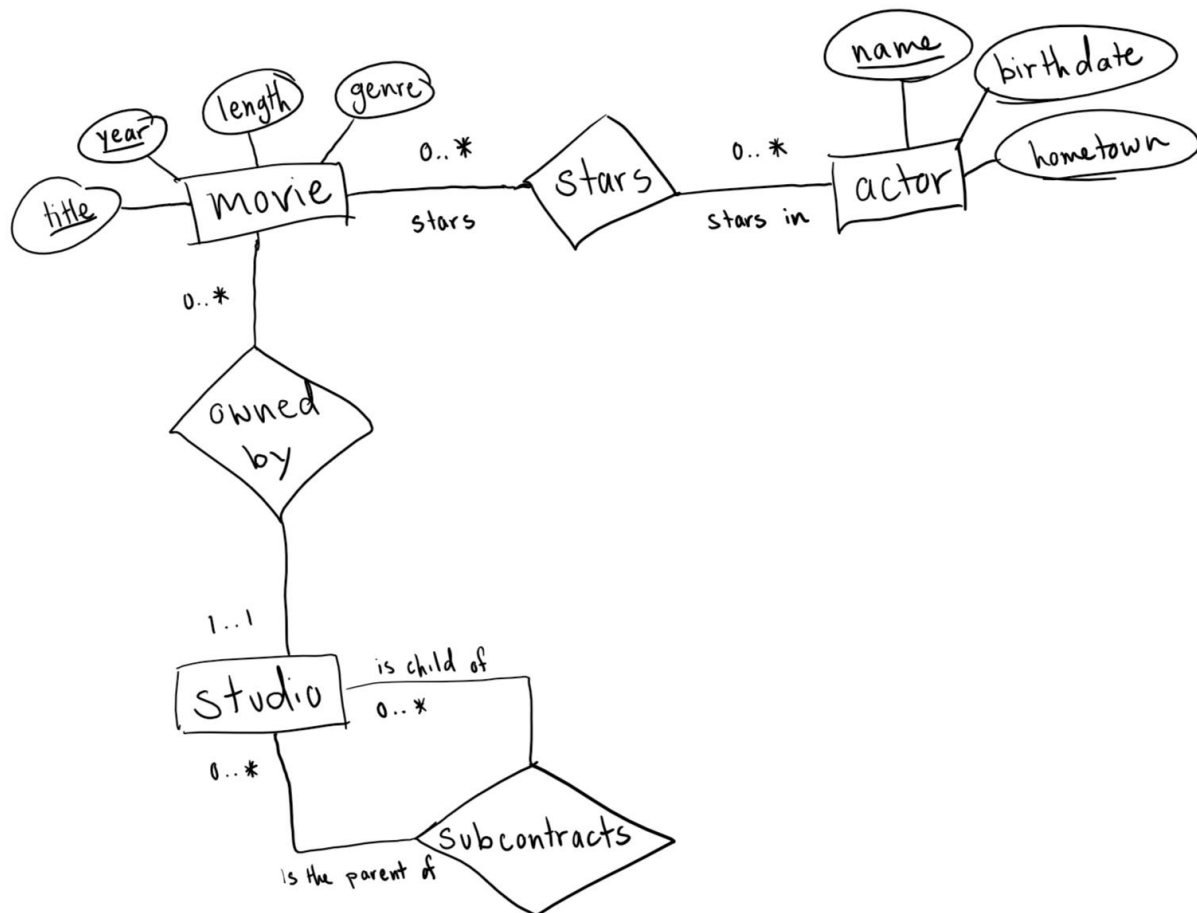
CPSC 321 01

Fall 2021

HW 4

## Part 1: ER Modeling

1.



2. Translate

Bus(bus\_id, type)

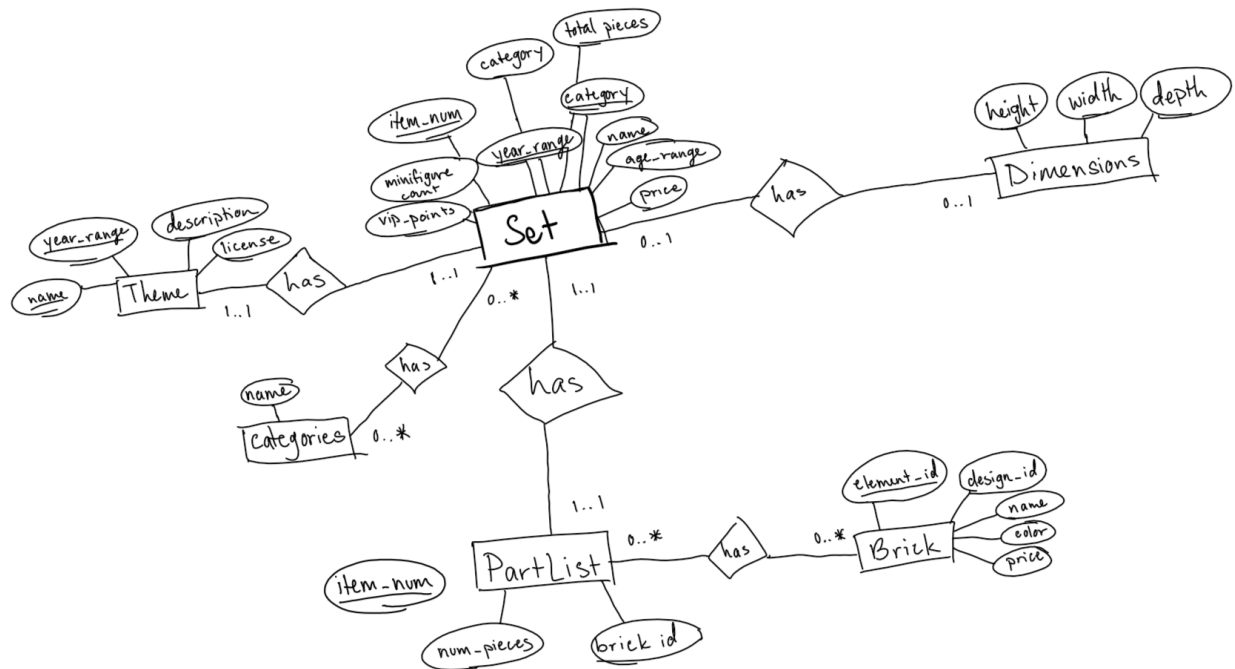
Route(route\_id, bus\_id - FK, color)

BusStop(stop\_num, route\_id - FK, coord)

Drives(bus\_id - FK, driver\_id - FK, shift)

Driver(driver\_id, name)

### 3. Lego Set ER Diagram



4.

Set(item\_num, year\_range, category, name, age\_range, price, minifigure\_count, vip\_points, total\_pieces)

Category(item\_num, name)

Theme(name, year\_range, description, license)

Dimensions(item\_num, height, width, depth)

PartList(item\_num, brick\_id, num\_pieces)

Brick(element\_id, design\_id, name, color, price)

My new relational schema is pretty similar to the relational schema I made in HW-1 except I have 3 new tables, dimensions, theme, and category. I think that this new schema is more accurate because it is more specific.

5.

```
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 (0.00 sec)

## Part 2: Project

