

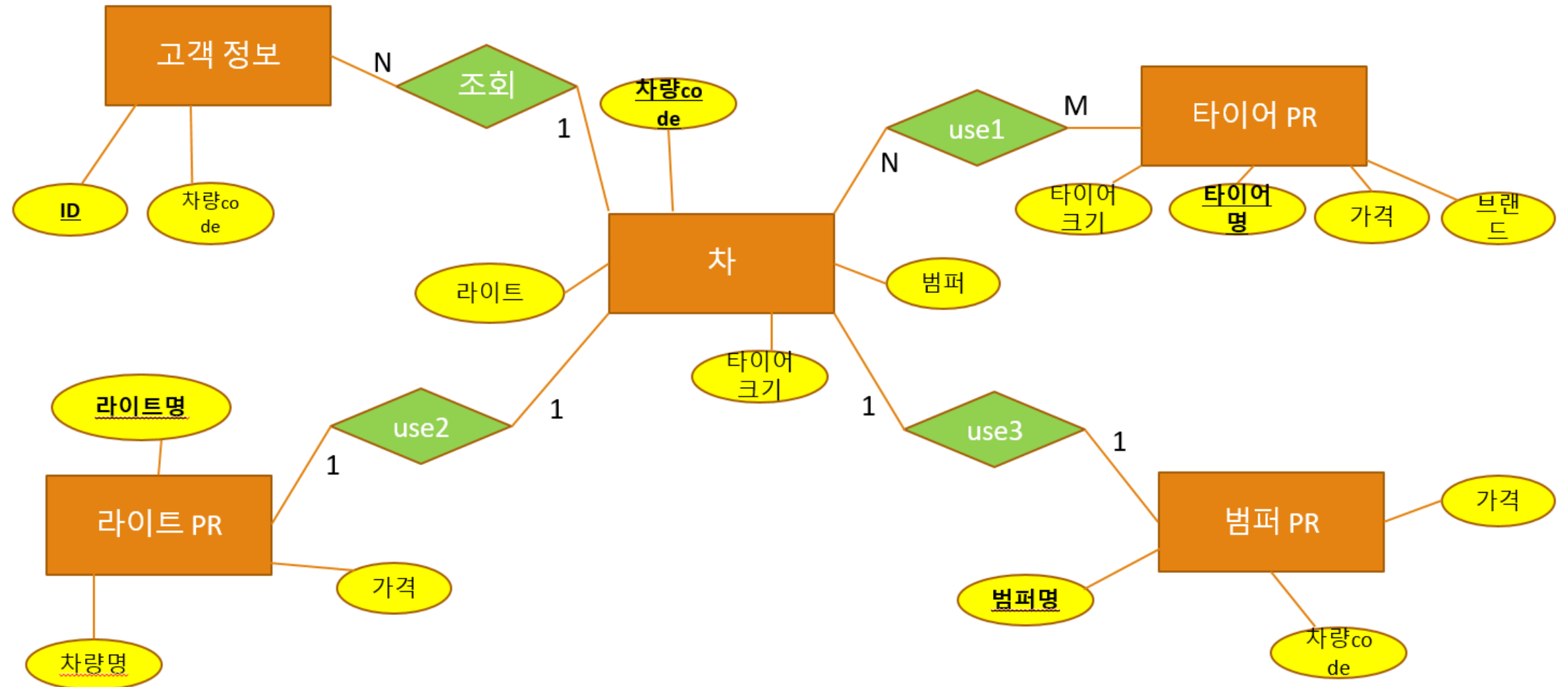
서비스 명: Easy Car

서비스 목적: 사고 발생 혹은 노후화 시 부품 교체 견적 도출

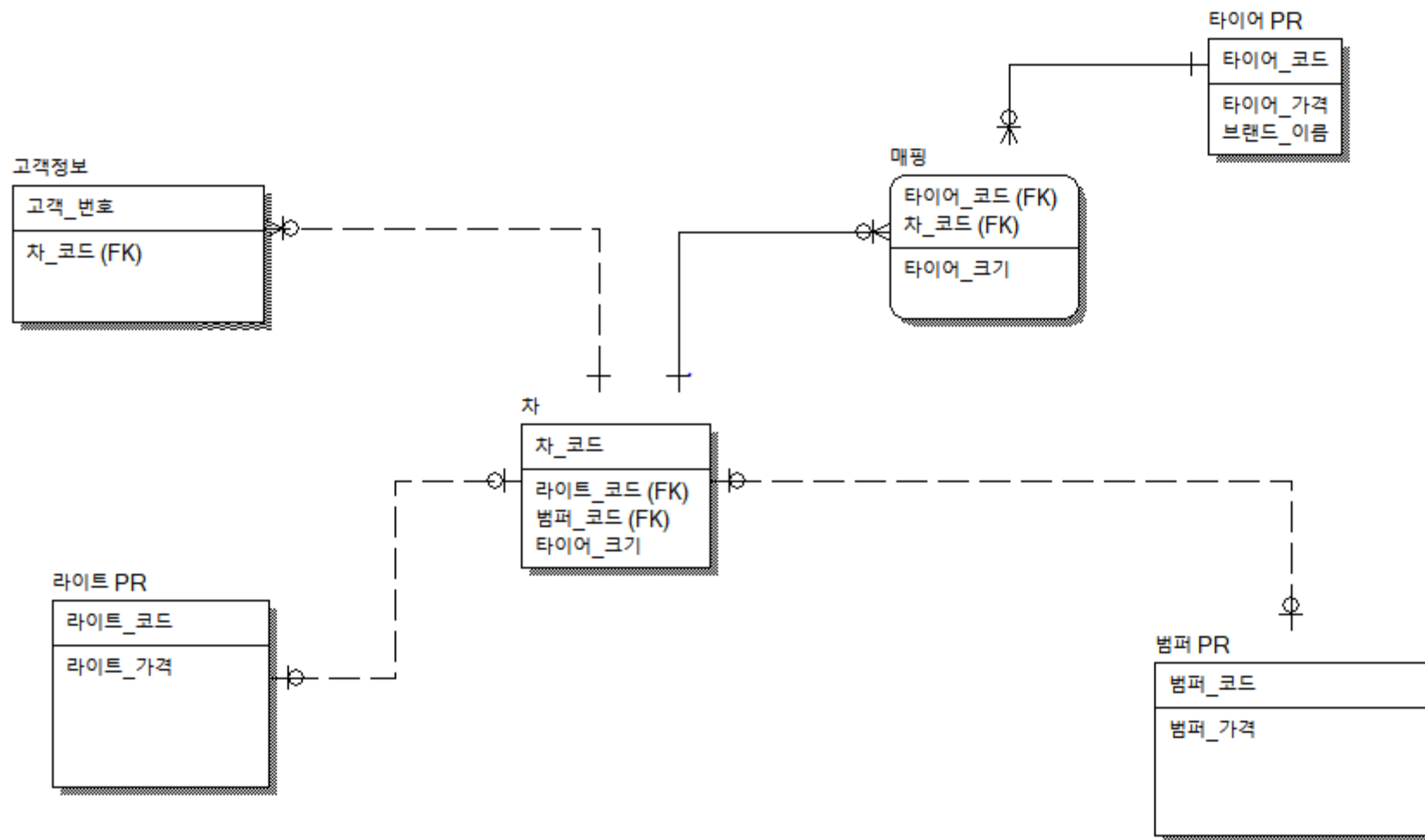
서비스 대상: 차량 소유주

1조
강민희
김진혁
박지영

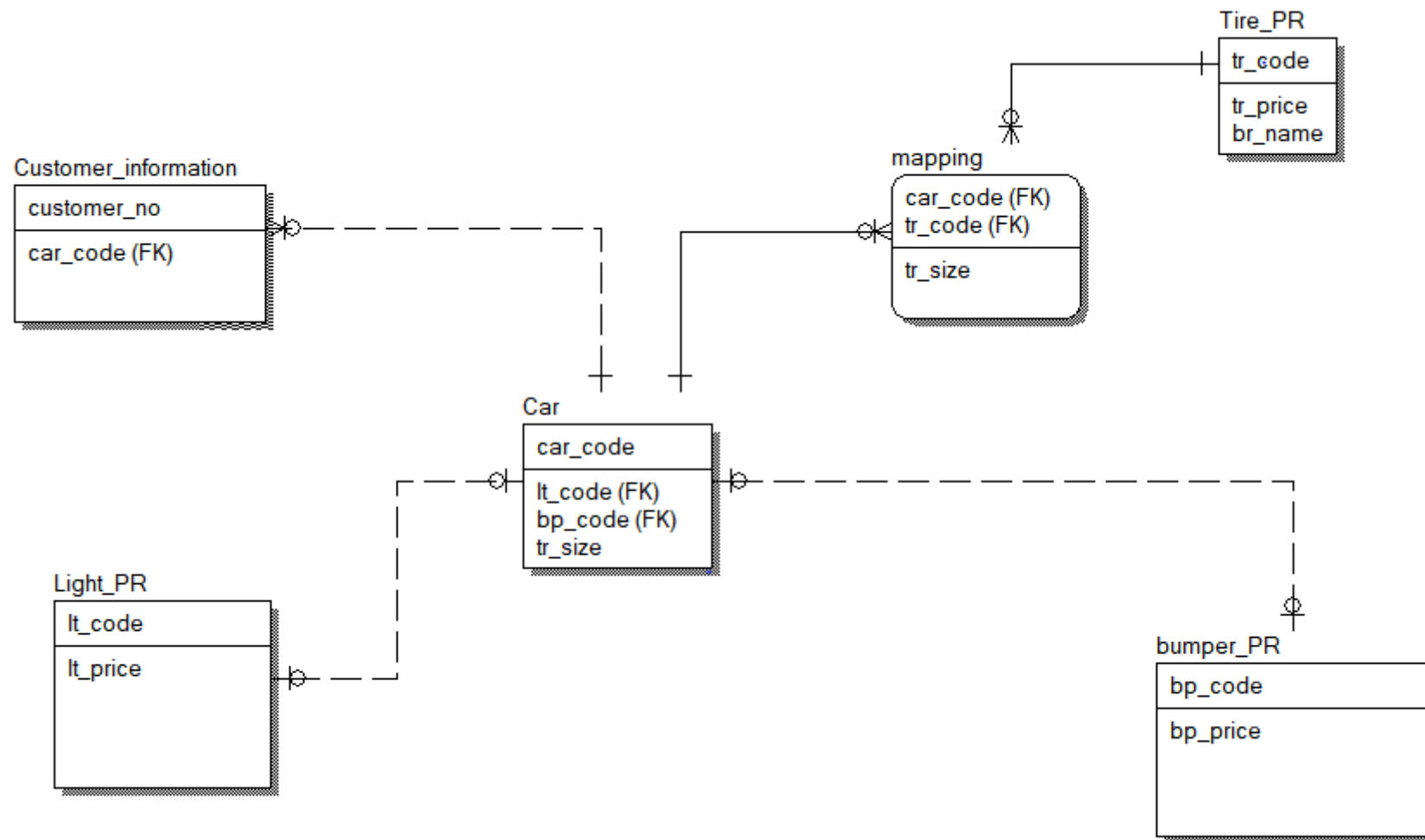
개념적 모델링



논리적 모델링



물리적 모델링



Case1. 고객번호 1번 고객이 타이어 교체 리스트 문의

SQL 1*

```
1 > SELECT tr_code, tr_price, br_name FROM tire_pr  
2 WHERE tr_size = (SELECT tr_size FROM car  
3 WHERE car_code =(SELECT car_code FROM customer_information WHERE customer_no= '1'));  
4
```

1조 SQL .sql*

```
1 > SELECT tr_code, tr_price, br_name FROM tire_pr tp, car, customer_information ci  
2 WHERE car.tr_size=tp.tr_size AND ci.car_code=car.car_code AND ci.customer_no='1';
```

	TR_CODE	TR_PRICE	BR_NAME
▶ 1	HK17	191400	한국타이어
2	ML17	230000	미쉐린
3	KH17	182000	금호타이어
4	MS17	120100	맥시스

Case2. 고객번호 3번 고객이 타이어 교체 평균값, 최저값, 최고값 문의

```
SELECT AVG(tr_price) AS 평균값 ,  
       MIN(tr_price) AS 최저값,  
       MAX(tr_price) AS 최고값  
FROM tire_pr  
WHERE tr_size = (SELECT tr_size FROM car WHERE car_code =(SELECT car_code FROM customer_information WHERE customer_no= '3'));
```

	평균값	최저값	최고값	
▶ 1	64300	49000	80000	

Case3. 고객번호 7번 손님이 라이트와 범퍼 합산 견적 문의

```
CREATE VIEW vw_S (customer_no,lt_price,bp_price)
AS SELECT ci.customer_no, lp.lt_price, bp.bp_price
FROM customer_information ci , car ,light_pr lp, bumper_pr bp
WHERE ci.car_code=car.car_code AND car.lt_code=lp.lt_code AND car.bp_code=bp.bp_code;
```

```
SELECT * FROM vw_S
order BY customer_no;
```

```
SELECT lt_price+bp_price AS total FROM vw_S WHERE customer_no='7';
```

	CUSTOMER_NO	LT_PRICE	BP_PRICE
1	1	35000	320000
2	10	42000	450000
3	2	42000	450000
4	3	34000	250000
▶ 5	4	35000	320000
6	5	35000	320000
7	6	34000	250000
8	7	34000	250000
9	8	34000	250000
10	9	35000	320000



	TOTAL
▶ 1	284000