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Email : somisim@outlook.com\*  
yhpark@sookmyung.ac.kr\*\*

## A Database Design Method for Recommending Cosmetics

So-Mi Sim, Young-Ho Park  
Dept. of Multimedia Science, Sook-Myung Women's University

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1.

[1]. 2.

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2.1

가

Client

Server

Server

Client

가

가

( 1 )

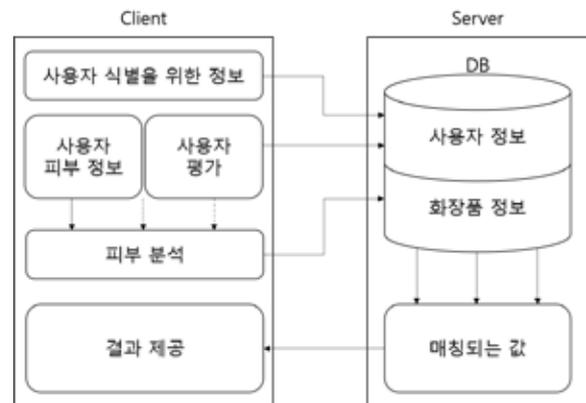
가

가

2가

[2]. , 가

가



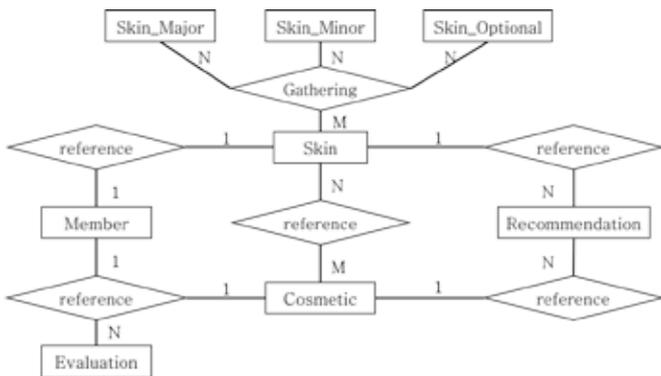
( 1 )

가

2.2

COSME  
 MEMBER  
 SKIN\_MAJOR, SKIN\_MINOR, SKIN\_OPT  
 SKIN  
 EVALUATION, EVALUATION  
 RECOMMENDATION  
 COMSMETIC COSMETIC(c\_num, c\_name,  
 c\_company, c\_price, c\_size, c\_subcategory,  
 c\_effect1, c\_effect2)  
 SKIN SKIN(skin\_num, s\_major\_num,  
 s\_minor\_num, s\_optional\_num)  
 SKIN\_MAJOR• SKIN\_MINOR• SKIN\_OPTIONAL  
 SKIN\_MAJOR(s\_major\_num, s\_sex, s\_age),  
 SKIN\_MINOR(s\_minor\_num, s\_oil, s\_moisture,  
 s\_trouble), SKIN\_OPTIONAL(s\_optional\_num, s\_tone,  
 s\_pore, s\_wrinkle)  
 MEMBER MEMBER(m\_phone\_num, m\_id,  
 m\_email, m\_password, skin\_num)  
 EVALUATION EVALUATION(c\_num, e\_effect,  
 e\_price, e\_repurchase, e\_recommend,  
 e\_disrecommend, e\_sum, m\_phone\_num, skin\_num)  
 RECOMMENDATION RECOMMENDATION(skin\_num,  
 c\_num, r\_grade)

2) ( 2)



( 2) ER

2.3

2.3.1

2.3.1.1 가

INSERT  
 MEMBER  
 MEMBER  
 가  
 ID(MEMBER m\_id  
 PASSWORD(MEMBER  
 )  
 m\_password )  
 가  
 3.3.1.2  
 SKIN\_MAJOR•SKIN\_MINOR•SKIN\_OPT  
 IONAL  
 3.3.1.3 가  
 가 5 가  
 , 가  
 가 m\_phone\_num  
 가  
 INSERT WHERE NOT EXISTS  
 EVALUATION c\_num  
 m\_phone\_num 가  
 , UPDATE c\_num  
 m\_phone\_num 가  
 EVALUATION 가  
 RECOMMENDATION 가  
 UPDATE WHERE EVALUATION  
 c\_num RECOMMENDATION  
 가 r\_grade  
 r\_grade SUM  
 EVALUATION SUM(e\_recommend)  
 SUM(e\_disrecommend)  
 r\_grade  
 3.3.2.3

2.3.2  
2.3.2.1

analysis

```

analysis1 = oil * 33 ( )
analysis2 = moisture * 33( )
analysis3 = 133 - (trouble * 33)( )
analysis4 = 133 - (tone * 33)( )
analysis5 = 133 - ((pore + wrinkle) * 33/2)( )
    
```

analysis < 1>

analysis1 - analysis2  < 10 && analysis1 >90	가
analysis1 - analysis2  < 10 && 80 > analysis1 >60	
analysis1 - analysis2  < 10 && analysis1 < 40	가

2.3.2.2

COSMETIC

```

SELECT
WHERE
COSMETIC
c_subcategory
COSMETIC
(c_company )
(c_name ) 가
SELECT
COSMETIC
WHERE
c_company
c_name
LIKE
% 가
    
```

2.3.2.3

가

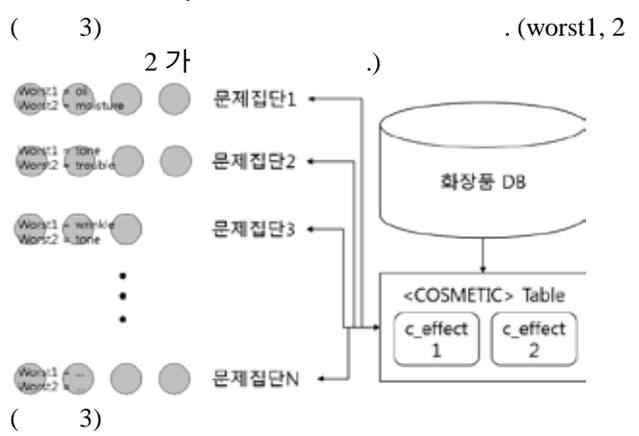
```

WHERE
skin_num
e_sum
AVG
가
가
가
analysis
가
3.3.2.1
2
3.
가
    
```

가

```

COSMETIC
c_effect1, c_effect2
2 가
c_effect1
c_effect2
SELECT
WHERE
c_effect1
c_effect2
WHERE
LIMIT 2 가 2
    
```



가

```

RECOMMENDATION
r_grade
COSMETIC
c_effect1, c_effect2
COSMETIC
RECOMMENDATION
INNER JOIN
WHERE
c_effect1
c_effect2
WHERE
ORDER BY
r_grade 가
DESC
LIMIT 2
DESC
2 가
    
```

가 , , , 가, [2] , . 《 ( 2 ) , 2005》 . ISBN-10 : 027375453X / ISBN-13 : 9780273754534

3.1 가 가

가 . 가 가

3.2 가 가 가

가 가 가

3.3 3.2 가

3.4 가

3.5

4.

가 가, 가

[1] <http://www.wemakeprice.com/>  
www.amazon.com