1. STUDENT NAME 2. URL to STUDENT WEB SITE 3. user\_role TABLE DESIGN 4. web\_user TABLE DESIGN and FOREIGN KEY 5. “OTHER” TABLE DESIGN and FOREIGN KEY 6. DATA ENTRY ERRORS a) Error: Duplicate user\_role PK b) Error: Invalid user\_role FK in web\_user record c) Error: Cannot delete a user\_role record that’s referenced by a web \_user record d) Invalid web\_user FK in “other” record e) Error trying to delete a web\_user record that’s referenced by an “other” record 7. SELECT STATEMENTS a) USER\_ROLE: all rows, all columns, sorted by user\_role\_id. b) WEB\_USER: all rows, all columns, sorted by web\_user\_id. c) WEB\_USER JOINED WITH USER\_ROLE: all rows, certain columns, sorted. f) “OTHER”: all rows, all columns, sorted by the id of your “other” table. g) “OTHER” JOINED WITH WEB\_USER all rows, certain columns, sorted. h) “OTHER” JOINED WITH WEB\_USER some rows, certain columns, sorted.

**Product Table**

-product\_id int(11) (PRIMARY KEY)

-product\_name varchar(45)

-img varchar(300)

-price decimal(8,2)

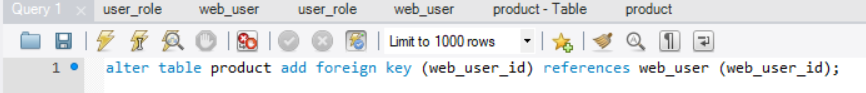
-stock int (11)

-web\_user\_id (11) (FOREIGN KEY)

텍스트이(가) 표시된 사진

자동 생성된 설명

a) add foreign key from ‘product’ table to web\_user



b) add data into ‘product’ table

텍스트이(가) 표시된 사진

자동 생성된 설명

**>> try to add ‘product’ with an invalid web\_user\_id 8 , then FK violation error**



텍스트이(가) 표시된 사진

자동 생성된 설명

**>> try to delete referenced web\_user record, then error**

텍스트이(가) 표시된 사진

자동 생성된 설명



**c) Run SQL select statement**

1) select \* from product (sort by product\_id)

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2) select product\_name, price, user\_email from product, web\_user order by product\_name, price;

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3) select product\_name, price, user\_email from product,web\_user where product.web\_user\_id=1;

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