

# COMPARE.IT

## BINARY BANDITS

BOOYSEN HAYLEY

GIBENDI BLESSING

KÖHLER DIVO

MAHLANGU TSHEGOFATSO

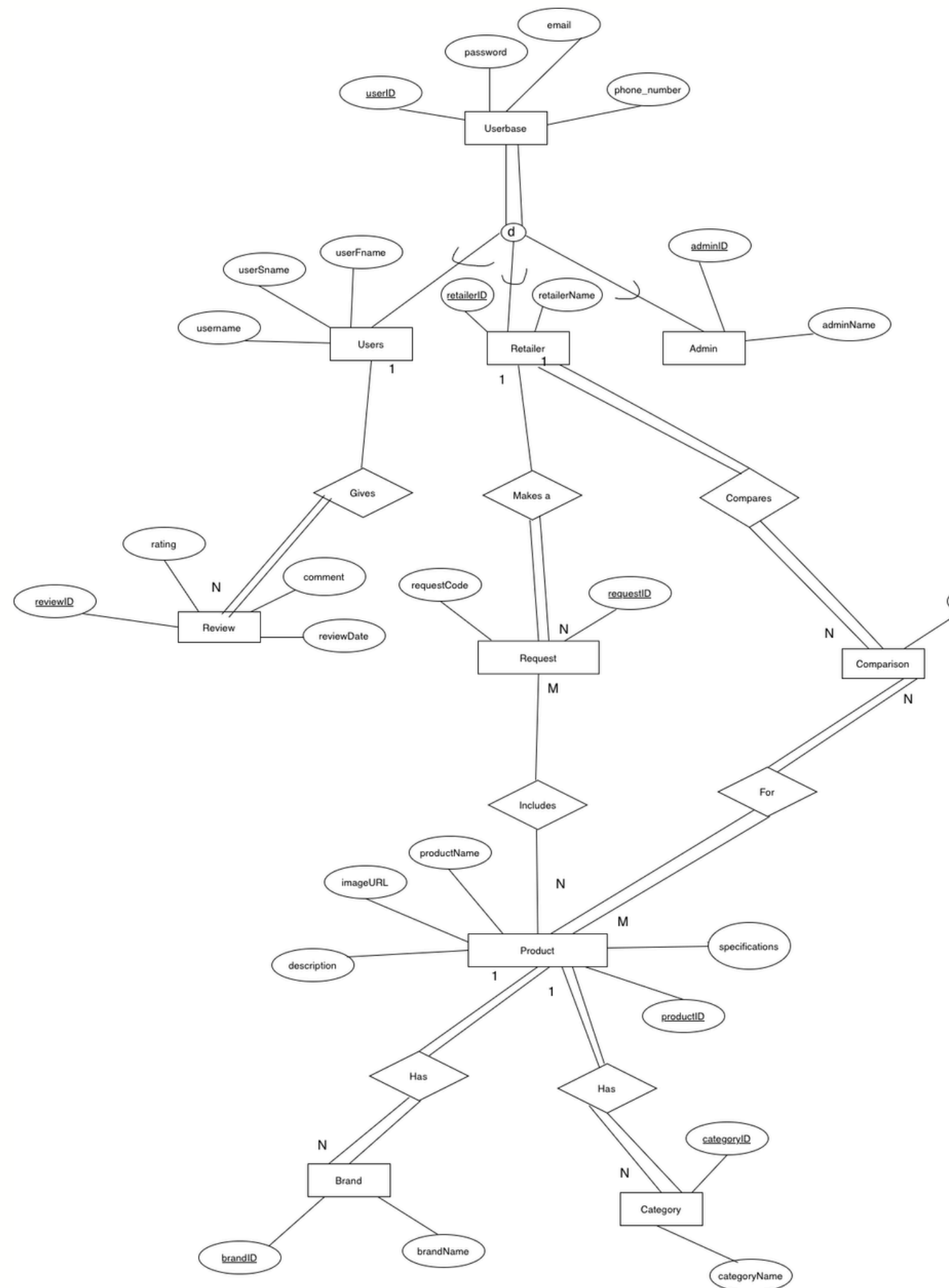
MARODI JESSICA

PHOSA NOMZI

E S T . 2 0 2 5



**The only type of comparison that doesn't steal your joy**



# (E)ER DIAGRAM

# (E)EER DIAGRAM → RELATIONAL MAPPING

## USERBASE

<u>UserID</u>	Password	Email	Phone_number
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## PRODUCTS

<u>ProductID</u>	Product_name	Description	BrandID	CategoryID	ImageURL	Specifications
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## RETAILER

<u>RetailerID</u>	Retailer_name
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## CATEGORY

<u>CategoryID</u>	Category_name
-------------------	---------------

## COMPARISON

<u>RetailerID</u>	<u>ProductID</u>	Price
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## BRANDS

<u>BrandID</u>	Brand_name
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## REQUEST

<u>RequestID</u>	RequestCode	RetailerID	Product_name	ProductID	Descriptions	BrandID	CategoryID	imageURL	Specifications	Resolved
------------------	-------------	------------	--------------	-----------	--------------	---------	------------	----------	----------------	----------

## STEP 1: MAPPING OF REGULAR ENTITIES



# (E)ER DIGRAM → RELATIONAL MAPPING (CONT.)

## USERBASE

<u>UserID</u>	Password	Email	Phone_number
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## PRODUCTS

<u>ProductID</u>	Product_name	Description	BrandID	CategoryID	ImageURL	Specifications
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## RETAILER

<u>RetailerID</u>	Retailer_name
-------------------	---------------

## CATEGORY

<u>CategoryID</u>	Category_name
-------------------	---------------

## COMPARISON

<u>RetailerID</u>	<u>ProductID</u>	Price
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## BRANDS

<u>BrandID</u>	Brand_name
----------------	------------

## REQUEST

<u>RequestID</u>	RequestCode	RetailerID	Product_name	ProductID	Descriptions	BrandID	CategoryID	imageURL	Specifications	Resolved
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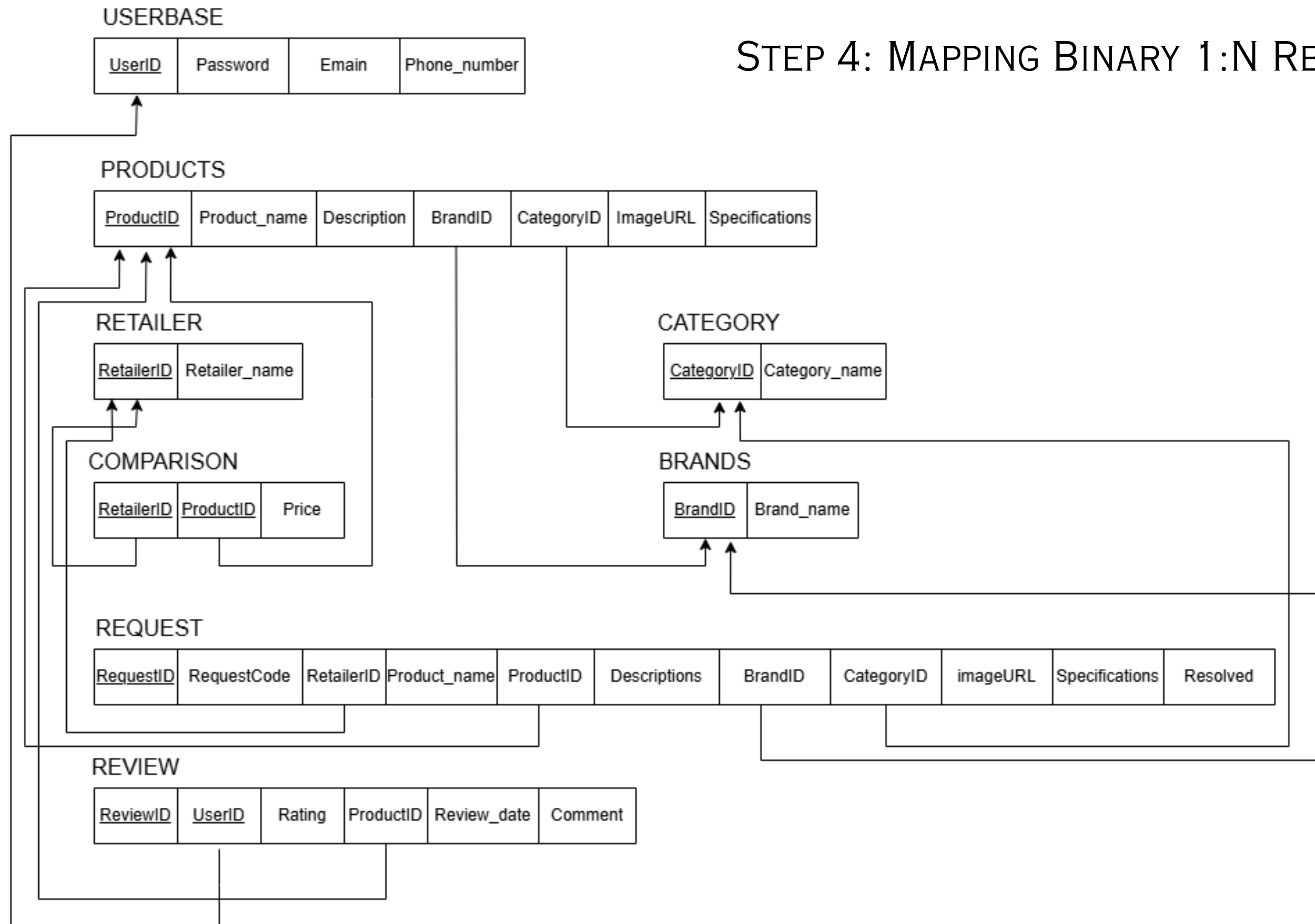
## REVIEW

<u>ReviewID</u>	<u>UserID</u>	Rating	ProductID	Review_date	Comment
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## STEP 2: MAPPING OF WEAK ENTITIES

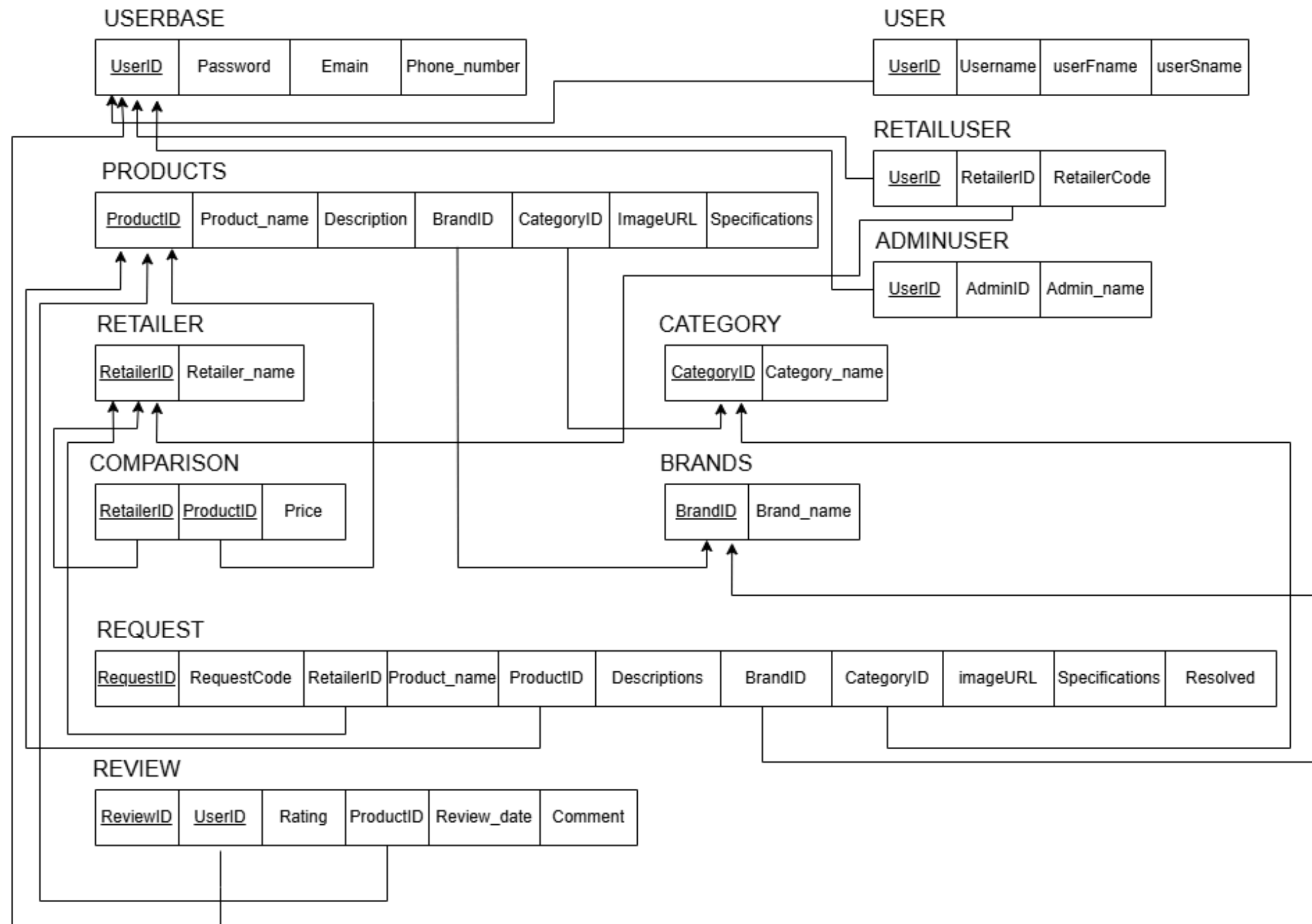
# (E)ER DIGRAM → RELATIONAL MAPPING (CONT.)

## STEP 4: MAPPING BINARY 1:N RELATIONSSHIPS

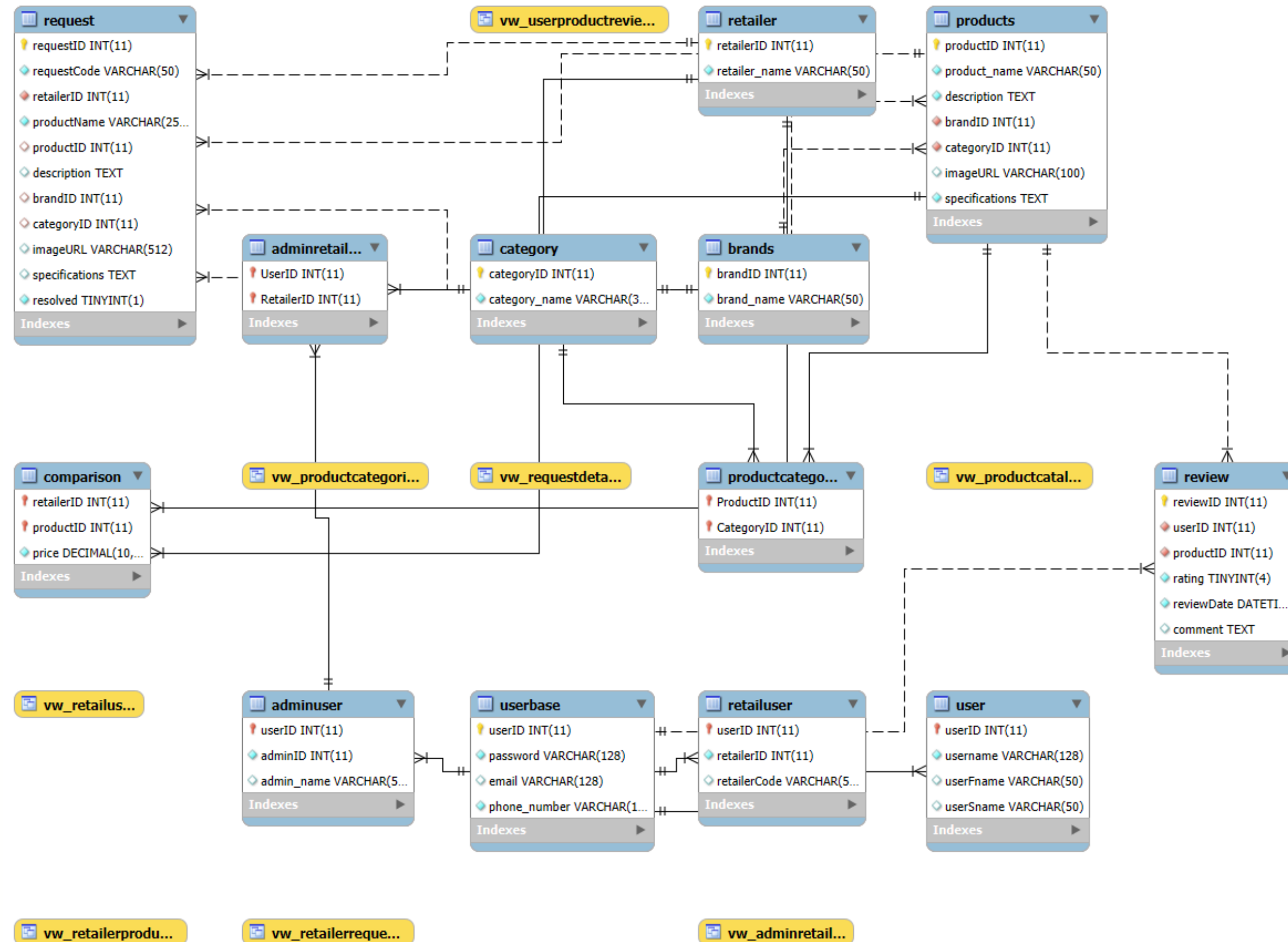


# (E)ER DIGRAM → RELATIONAL MAPPING (CONT.)

## STEP 8A: MAPPING MULTIPLE RELATIONS - SUPERCLASS AND SUBCLASSES



# RELATIONAL SCHEMA



# Web-Based Application Demonstration





# GITHUB USAGE



**X**

**BINARY BANDITS**





# QUESTIONS?

