Relational Mapping Diagram

Step 1: Mapping of regular(strong) entities

Users

user_id	username	name	email	phone_num	role	password_hashed	salt	api_key	join_date

Products

tyre_id	size	load_index	has_tube	serial_num	original_price	selling_price	rating	img_url

FAQ

FAQ_ID	Question	Answer

Requests

request_id	action	description	product_data	status	request_date

Favourites

favourite_id	created_at

Step 2: Mapping weak entity types

CLICK_EVENTS

click_id	tyre_id	user_id	clicked_at

USERS

user_id	name	username	email	phone_num	role	join_date	password_hashed	salt	api_key

PRODUCTS

tyre_id	size	load_index	has_tube	img_url	serial_num	original_price	selling_price

Step 3: Mapping 1:1 relationships

Products

tyre_id	size	load_index	has_tube	serial_num	original_price	selling_price	rating	img_url

Requests

request_id	action	description	product_data	status	request_date

Step 4: Mapping 1:N relationships

CUSTOMERS

user_id	surname

CLICK_EVENTS_CUTOMERS

click_id	user_id	clicked_at

PRODUCTS_CUSTOMER

tyre_id	user_id	size	load_index	has_tube	img_url	serial_num	original_price	selling_price

SELLERS

user_id	address	business_reg_num	website

REQUESTS_SELLER

request_id	user_id	description	status	request_date	products_data	action

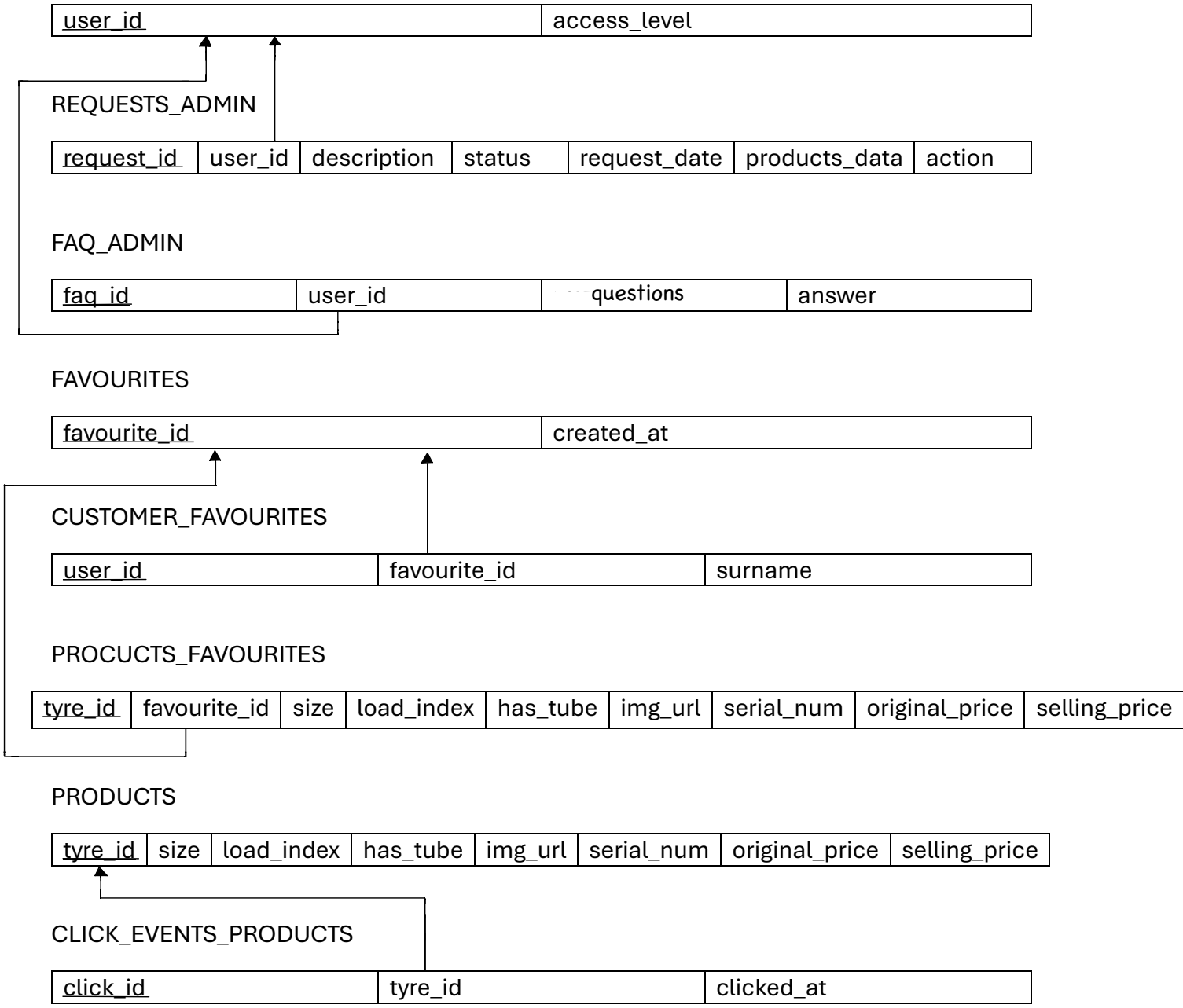
CLICK_EVENT_SELLER

click_id	user_id	clicked_at

PRODUCTS_SELLER

tyre_id	user_id	size	load_index	has_tube	img_url	serial_num	original_price	selling_price

ADMIN



Step 5: Mapping M:N relationships

The diagram does not have M:N relationships

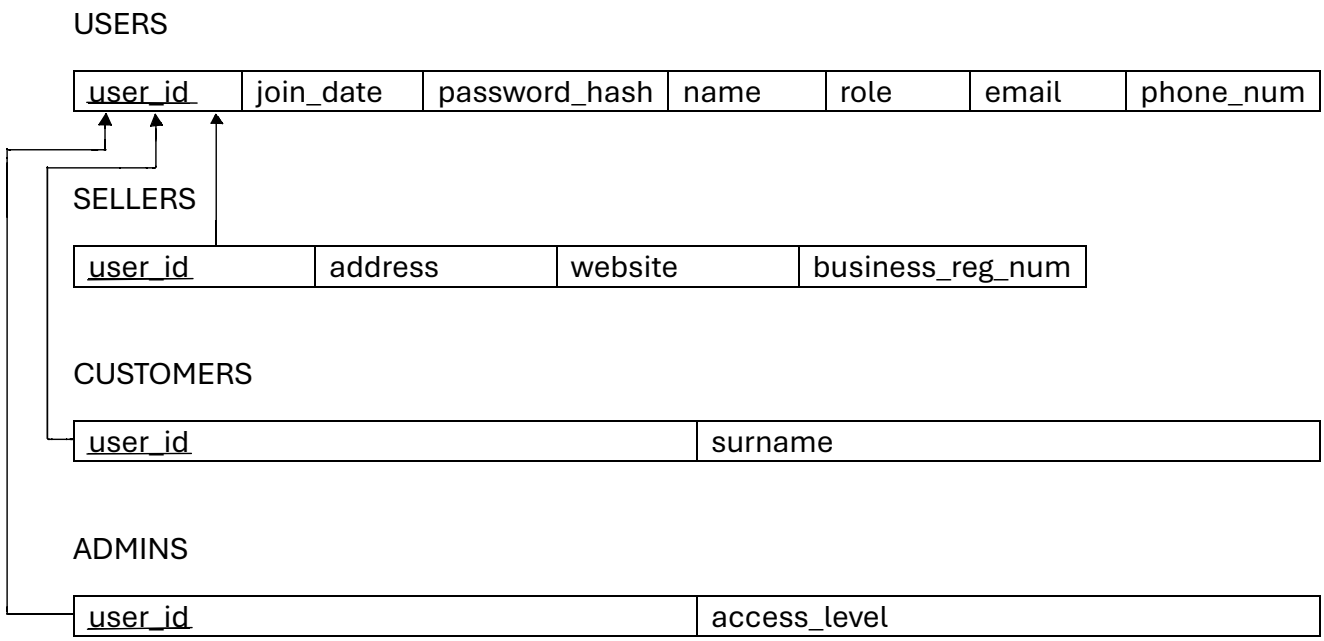
Step 6: Mapping multivalued attributes

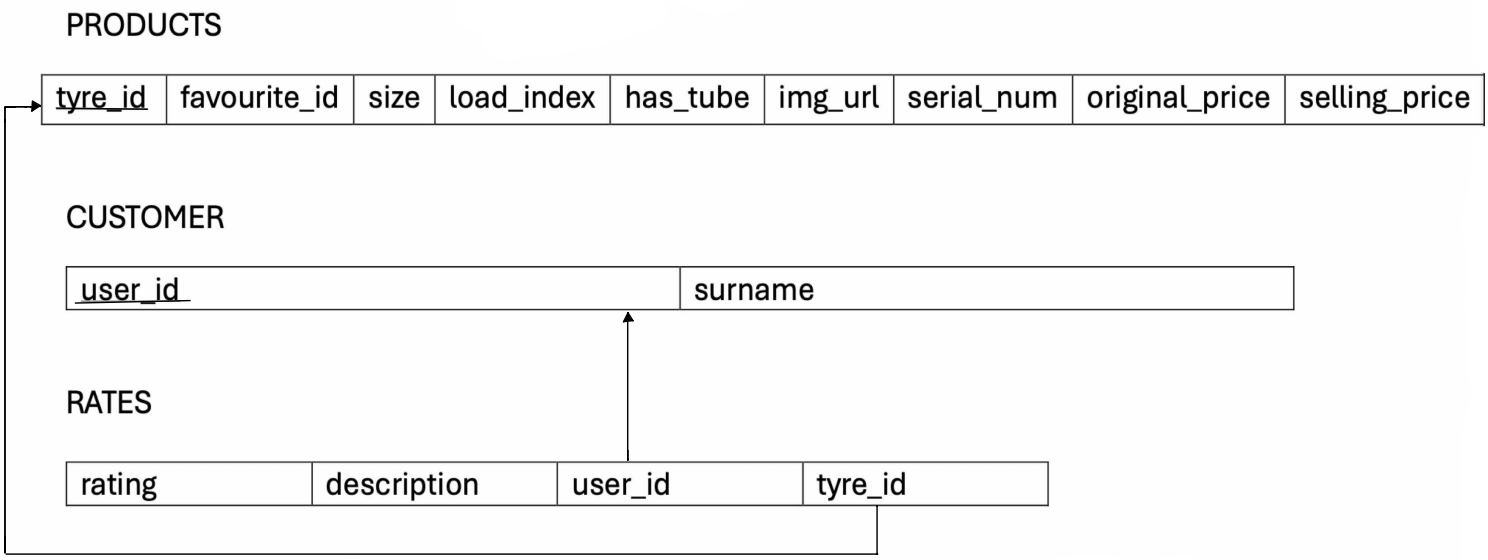
The diagram does not have multivalued attributes

Step 7:Mapping N-ary relationships

The diagram does not have N-ary relationships

Step 8: Mapping specialization/generalization





Step 9: Mapping unions

The diagram does not have unions