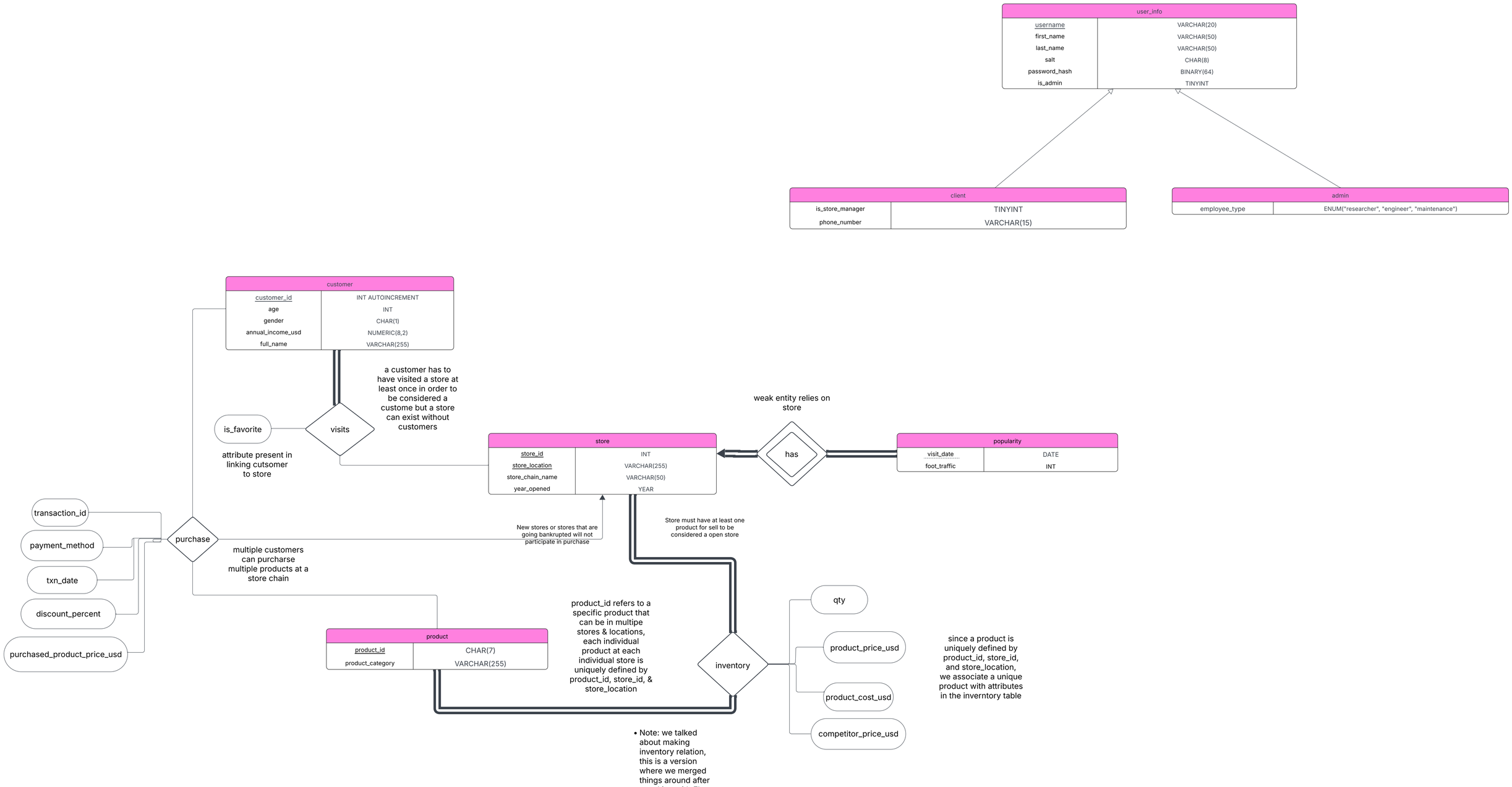
user_info
username VARCHAR(20)
first_name VARCHAR(50)
last_name VARCHAR(50)
salt CHAR(8)
password_hash BINARY(64)
is_admin TINYINT
client
is_store_manager TINYINT
phone_number VARCHAR(15)
admin
employee_type ENUM("researcher", "engineer", "maintenance")
customer
customer_id INT AUTOINCREMENT
age INT
gender CHAR(1)
annual_income_usd NUMERIC(8,2)
full_name VARCHAR(255)
a customer has to have visited a store at least once in order to be considered a custome but a store can exist without customers
is_favorite
visits
attribute present in linking cutsomer to store
weak entity relies on store
has
store
store_id INT
store_location VARCHAR(255)
store_chain_name VARCHAR(50)
year_opened YEAR
popularity
visit_date DATE
foot_traffic INT
transaction_id
payment_method
txn_date
discount_percent
purchased_product_price_usd
purchase
multiple customers can purcharse multiple products at a store chain
New stores or stores that are going bankrupted will not participate in purchase
Store must have at least one product for sell to be considered a open store
product
product_id CHAR(7)
product_category VARCHAR(255)
product_id refers to a specific product that can be in multipe stores & locations, each individual product at each individual store is uniquely defined by product_id, store_id, & store_location
inventory
qty
product_price_usd
product_cost_usd
competitor_price_usd
since a product is uniquely defined by product_id, store_id, and store_location, we associate a unique product with attributes in the inverntory table
• Note: we talked about making inventory relation, this is a version where we merged things around after speaking with EI