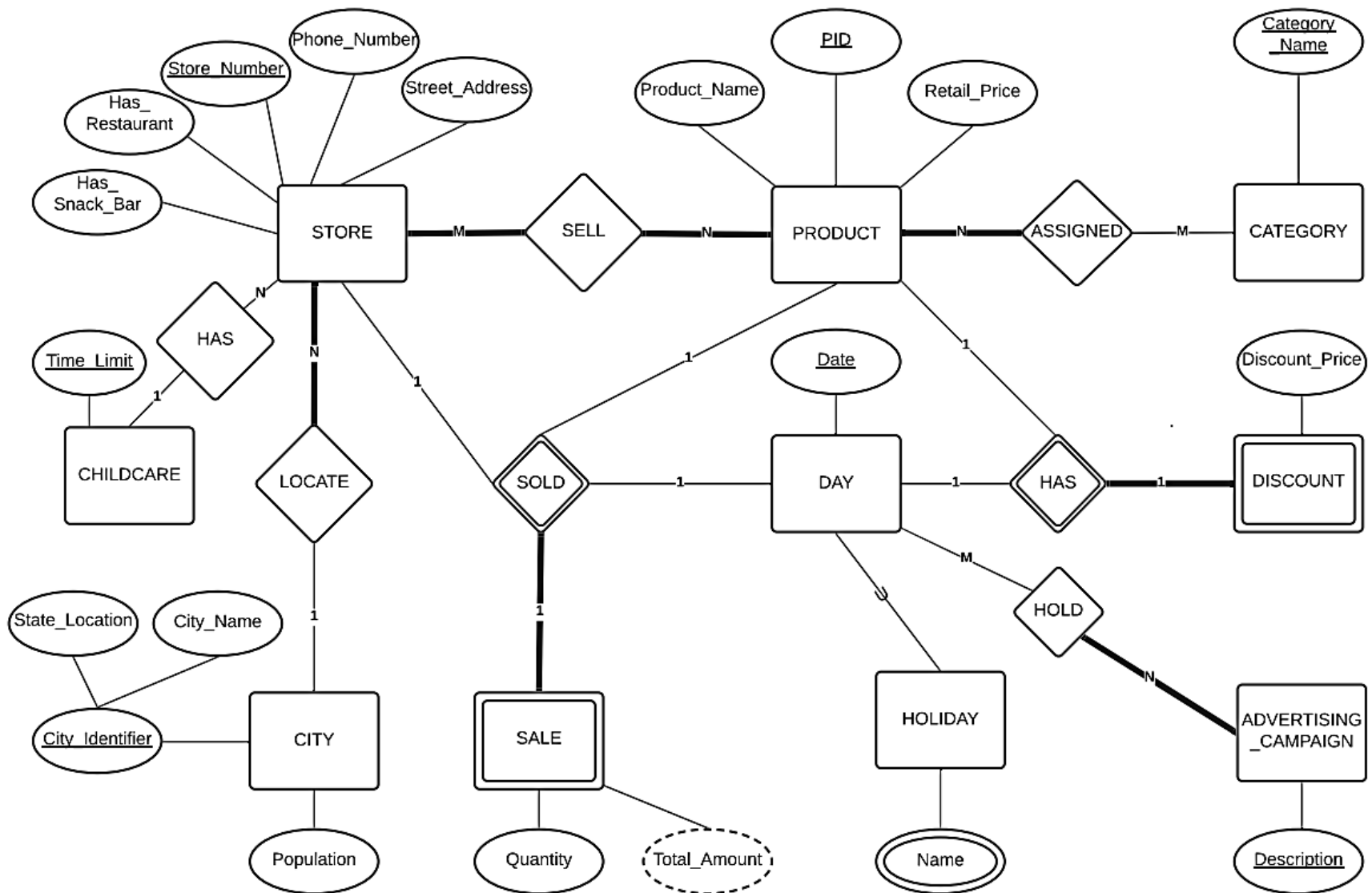


# Phase 2 LSRS Updated EER - Spring 2021

Team 058



## **In Phase 2, we have made the following changes on EER diagram:**

### **Entities:**

1. Entity HOLIDAY is changed as the subclass of entity DAY;
2. Entity CHILDCARE is changed from a weak entity to a strong entity which has Time\_Limit as the primary key;
3. Derived attribute Population\_Size\_Category is deleted from entity CITY.

### **Relationships:**

1. STORE -> CHILDCARE (HAS) as N:1  
*Cardinality ratio is changed from 1:1 to N:1 and relationship name is changed from PROVIDE to HAS.*
2. PRODUCT -> SALE (SOLD) as 1:1  
*Cardinality ratio is changed from M:N to 1:1;*
3. STORE -> SALE (SOLD) as 1:1  
*Cardinality ratio is changed from 1:N to 1:1;*
4. DAY -> SALE (SOLD) as 1:1  
*Cardinality ratio is changed from 1:N to 1:1;*
5. DAY -> DISCOUNT (HAS) as 1:1  
*Cardinality ratio is changed from M:N to 1:1;*
6. PRODUCT -> DISCOUNT (HAS) as 1:N  
*Cardinality ratio is changed from 1:N to 1:1.*