

PROJECT PHASE 2

ER MODEL

Team Name:

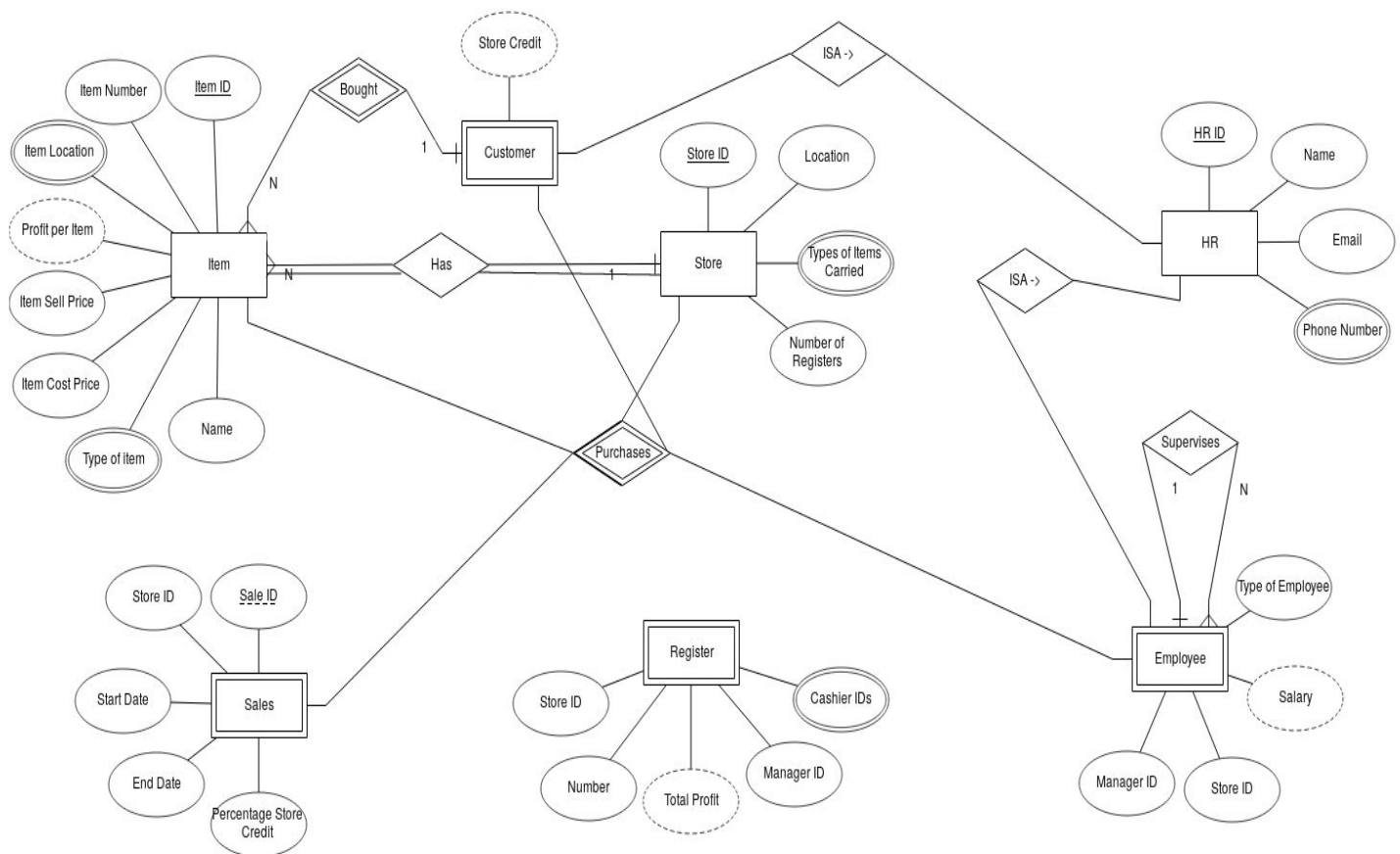
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Team members:

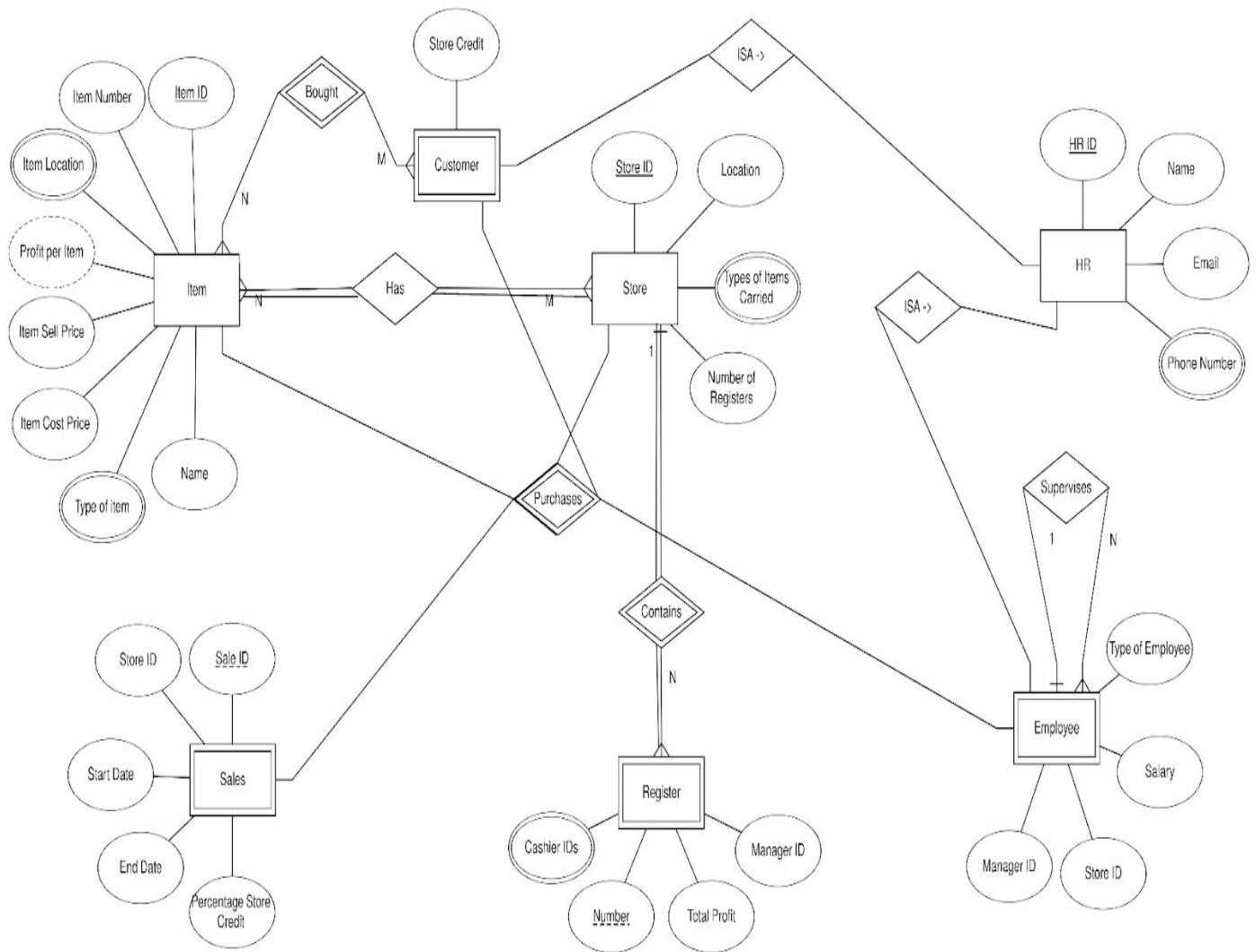
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ER MODEL 1



ER MODEL 2



Key:

In the ISA relationship defined between Subclasses and their Superclasses, if the diagram shows A ISA-> B, then it means that A is a subclass of B.

Assumptions:

We made the "HAS" relationship to have total participation assuming that no store will be out of stock and no item will be out of stock simultaneously from all the stores.

Modifications:

- 1) The attribute Store Credit of entity Customer is not a derived attribute as mentioned in the SRS provided as it does not derive its values from the attributes defined in the entity.
 - 2) The attribute Salary in Employee is also not a derived attribute for the above mentioned reasons.
 - 3) Total Profit attribute in the entity Register is also not a derived entity.
 - 4) The relationship "BOUGHT" is M:N and not 1:N as defined in the SRS
 - 5) The relationship "HAS" is M:N and not 1:N as defined in the SRS
 - 6) We defined a new relationship "CONTAINS" between Store and Register which is 1:N, and is complete for both Store and Register.
 - 7) Number attribute in Register has been defined as a Partial Key
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