Assignment 9

Problem 2

Changes made after Refining.

* Minimum cardinality in Purchases Relation is changed for Vehicle. So, outward cardinality near Customer is 0 instead of |.
* Minimum cardinality in MakeSale Relation is changed for Vehicle. So, outward cardinality near Employee is 0 instead of |.
* Minimum cardinality in Sold Relation is changed for Vehicle. So, outward cardinality near Payment is 0 instead of |.
* Relation “Process” is redundant. Because, Employee is already connected(indirectly) to Payment Entity.
* Account is not a Weak Entity. It is a Strong entity because, it is specified that Account no. is unique.
* Relations “IncomeOf” and “ExpenseOf” are no more Identifying Relations. They are normal relations.
* Cardinalities for Account entity is reversed.

Revised ERD:

