Module 9 problem 2

Errors –

1. Payment cardinality in ‘Income of’ relation cannot be Optional for child entity as Identification cardinality rule.

Solution) Change cardinality of payment entity type to one Mandatory.

1. Account should not be weak entity as a primary key is provided within the Account entity.

Solution) Make Account entity a strong entity and relationship line should be dashed line now.

1. Cardinality of ‘Income of’ and ‘Expense of’ Relation should be reversed as collection of payments and expense are related to accounts.
2. Minimum Cardinality of vehicle in ‘MakeSale’ relation should be optional as it is mentioned vehicle can be in lot before sale.
3. Minimum Cardinality of customer in ‘purchase’ relation should be optional as customer is not related to vehicle while vehicle is in not in sale.

Corrected ERD –

