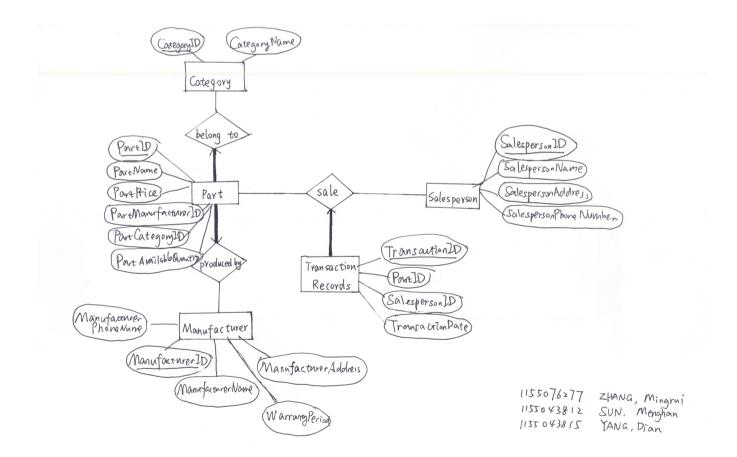**Group number: 6**

Group members:

1155076277   ZHANG, Mingrui

1155043812   SUN, Menghan

1155043815   YANG, Dian

1.ER Diagram

2.Relational Schema:

Category (<u>CategoryID: integer</u>, CategoryName: string)

Manufacturer (<u>ManufacturerID: integer</u>, ManufacturerName: string, ManufacturerAddress: string, ManufacturerPhoneNumber: integer, WarrantyPeriod: integer)

Part (<u>PartID: integer</u>, PartName: string, PartPrice: integer, PartManufactuerID: integer, PartCategoryID: integer, PartAvaliableQuantity: integer)

Salesperson (<u>SalespersonID: integer</u>, SalespersonName: string, SalespersonAddress: string, SalespersonPhoneNumber: integer)

TransactionRecords (<u>TransactionID: integer</u>, PartID: integer, SalespersonID: integer, TransactionDate: DD/MM/YYYY)