1. customer ID, name, address (street, city, state, zip code), kind (home/business). If business, then business category, company gross annual income, etc. If home, then marriage status, gender, age, income.

Address:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| customer ID | street | city | state | Zipcode |

City, state:

|  |  |  |
| --- | --- | --- |
| ID | name | Parent-ID(note: state-ID=zero ) |

Rate

|  |  |  |  |
| --- | --- | --- | --- |
| Rate | Since | Customer\_ID | Product\_ID |

Cart

|  |  |  |
| --- | --- | --- |
| Product\_ID | Customer\_ID | quantity |

Customer

|  |
| --- |
| Customer\_ID |

Business\_Customers:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Customer\_ID | Annual\_Income | First\_Name | Last\_Name | Username | password | Email | Category\_ID |

Business\_Category:

|  |  |
| --- | --- |
| Category\_ID | Category\_Name |

Home\_Customers:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| customer ID | Nick\_Name | marriage status | gender | age | income | First\_Name | Last\_Name | Username | password | Email |

Admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Admin\_ID | First\_Name | Last\_Name | Username | password | Email |

Manage

|  |  |  |
| --- | --- | --- |
| Admin\_ID | Product\_ID | since |

Supply

|  |  |  |
| --- | --- | --- |
| Supply\_ID | Product\_ID | since |

Product

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Product\_ID | Inventory\_Amount | Name | Price | Home\_Discount | Business\_Discount | Status | branch |

Hardwares

|  |  |  |
| --- | --- | --- |
| Hardware\_ID | Hardware\_Name | Company |

Hardwares Category

|  |  |
| --- | --- |
| Category\_ID | Category\_Name |

Orders

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Order\_ID | Product\_ID | Customer\_ID | Billing\_ID | Shipper\_ID | price | quantity | discount |

Shipper

|  |  |  |
| --- | --- | --- |
| Shipper\_ID | Shipper\_Name | Shipper\_phone |

BillingInfo

|  |  |  |  |
| --- | --- | --- | --- |
| Customer\_ID | Billing\_ID | Creditcard\_Number | Billing\_Address |

Supplier

|  |  |  |
| --- | --- | --- |
| Supplier\_ID | Supplier\_Name | Supplier\_Phone |