**Rough Work**

**Sales Order:**

0NF: sales\_order\_id + item\_id 🡪 customer\_id, sales\_order\_date, name, address, description, quantity, price, amount

1NF: sales\_order\_id + item\_id 🡪 customer\_id, sales\_order\_date, name, address, description, quantity, price, amount

2NF: sales\_order\_id 🡪customer\_id, sales\_order\_date, name, address

3NF: sales\_order\_id + item\_id 🡪 description, quantity, price, amount

3NF: sales\_order\_id 🡪 customer\_id, sales\_order\_date

3NF: customer\_id 🡪name, address

**Invoice:**

0NF: invoice\_id + sales\_order\_id + Item\_id 🡪 customer\_id, invoice\_date, name, address, description, quantity, price, amount

1NF: invoice\_id + sales\_order\_id + Item\_id 🡪 customer\_id, invoice\_date, name, address, description, quantity, price, amount

2NF: invoice\_id + sales\_order\_id 🡪 customer\_id, invoice\_date, name, address

3NF: invoice\_id + sales\_order\_id + item\_id 🡪description, quantity, price, amount

3NF: invoice\_id 🡪 customer\_id, invoice\_date

**Purchase Order:**

0NF: purchase\_order\_id + item\_id 🡪 vendor\_id, purchase\_order\_date, name, address, description, quantity, cost, amount

1NF: purchase\_order\_id + item\_id 🡪 vendor\_id, purchase\_order\_date, name, address, description, quantity, cost, amount

2NF: purchase\_order\_id 🡪 vendor\_id, purchase\_order\_date, name, address

3NF: purchase\_order\_id + item\_id 🡪 description, quantity, cost, amount

3NF: purchase\_order\_id 🡪 vendor\_id, purchase\_order\_date

3NF: vendor\_id 🡪 name, address

**Items on Order:**

0NF: item\_id + vendor\_id + purchase\_order\_id 🡪 description, quantity

1NF: item\_id + vendor\_id + purchase\_order\_id 🡪 description, quantity

3NF: item\_id + vendor\_id + purchase\_order\_id 🡪 description, quantity

**A/P Cheque:**

0NF: cheque\_no+ vendor\_id🡪 cheque\_date, name, amount

1NF: cheque\_no+ vendor\_id🡪 cheque\_date, name, amount

3NF: cheque\_no+ vendor\_id🡪 cheque\_date, name, amount

**A/P Inquiry:**

0NF: vendor\_invoice\_id + vender\_id 🡪 invoice\_date, name, amount

1NF: vendor\_invoice\_id + vender\_id 🡪 invoice\_date, name, amount

3NF: vendor\_invoice\_id + vender\_id 🡪 invoice\_date, name, amount

**Combined Entities:**

* sales\_order\_id + item\_id 🡪 description, quantity, price, amount
* sales\_order\_id 🡪 customer\_id, sales\_order\_date
* customer\_id 🡪name, address
* invoice\_id + sales\_order\_id + item\_id 🡪description, quantity, price, amount
* invoice\_id 🡪 customer\_id, invoice\_date
* purchase\_order\_id + item\_id 🡪 description, quantity, cost, amount
* purchase\_order\_id 🡪 vendor\_id, purchase\_order\_date
* vendor\_id 🡪 name, address
* item\_id + vendor\_id + purchase\_order\_id 🡪 description, quantity
* cheque\_no+ vendor\_id🡪 cheque\_date, name, amount
* vendor\_invoice\_id + vender\_id 🡪 invoice\_date, name, amount

**Graphical user interface, application

Description automatically generated**