# • Requirements Collection and Analysis: -

The pharmacy database stores details about the drugs and employees who work in the pharmacy that sells the drugs. Keep in mind that the pharmacy has only one main branch.
Requirements of this database are as follows: -

- The employees in the pharmacy sells some **drugs**, and each drug has attributes: Barcode (primary key), trade name, generic name, the total number in the pharmacy, the drug usage, type of each drug, and its price.
- Each **employee** has an EID (primary key), name (composite: first_ and last_), age, work hours, phone number(multivalued), and salary.

- The pharmaceutical **company** has a CID (primary key), address, telephone number, its name indeed, the time to deliver the orders of the drug, and the representative who will be responsible for providing the order.
- Each **order (exportation)** must contain the barcode of the required drug, in addition to its quantity, price, and the date of Exportation.

- Each **sell** operation must contain the barcode of the required drug, in addition to its quantity and basic price, in addition to its price after applying the 20% discount and the date of the purchase.

ER diagram: -
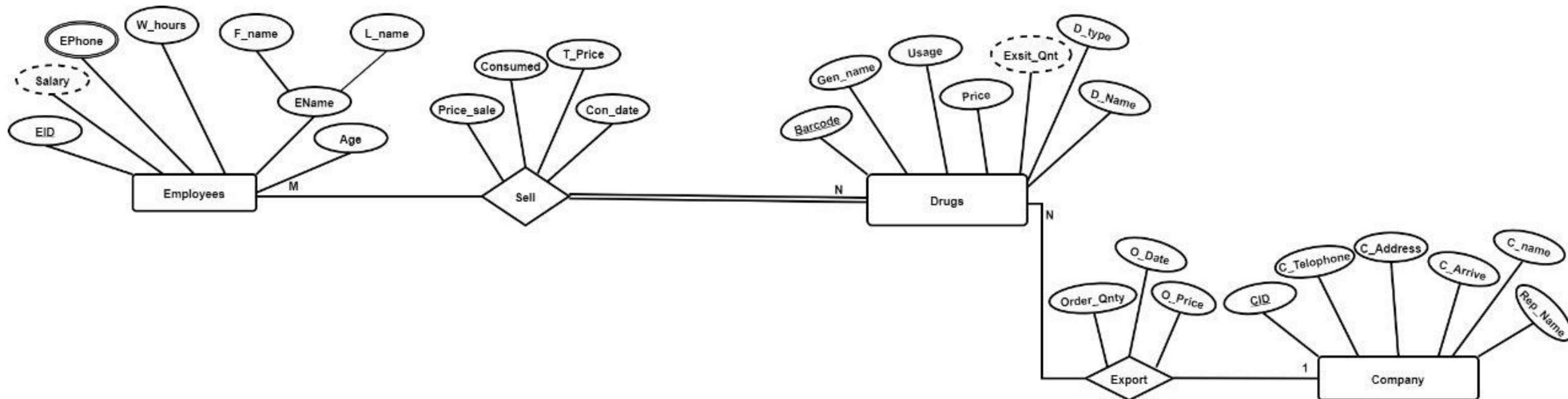
Relational model :-

Employees

EID	F_name	L_name	Age	W_hours	Salary

Drugs

Barcode	Gen_name	Usage	Price	Exist_Qnt	D_name	D_type

Company

CID	C_name	C_Address	C_Arrive	Rep_name	C_telephone

Export

Barecode	CID	Order_Qnty	O_date	O_price

Sell

EID	Barcode	T_price	Price_sale	Consumed	Con_date

Employee_Numbers

EID	Phone
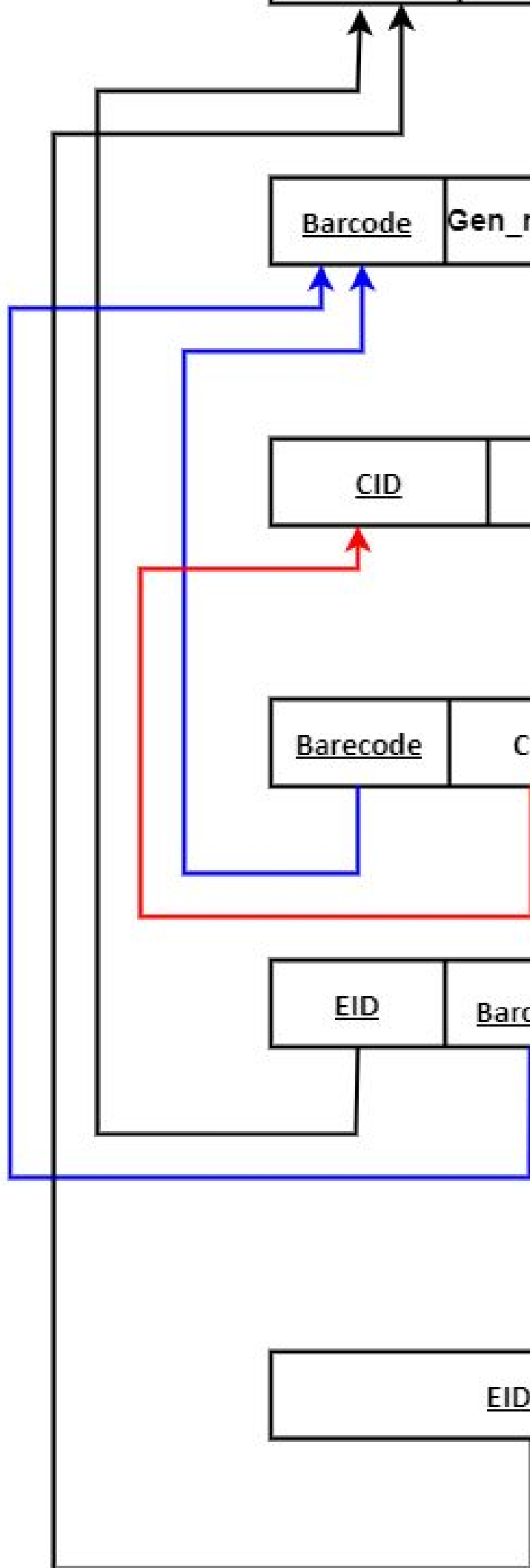
Company

CID	C_name	C_Address	C_Arrive	Rep_name	C_telephone
1	Ibnsina pharma	EL Mahala	1	Ahmed Alaa	1552345341
2	Degla pharm	Alexandria	7	Ali Farag	1227472055
3	Pharco	El Mansora	2	Mona Ahmed	0502331030
4	Promise Pharma	Kafrelsheikh	2	Ali Salem	1014449490
5	Pharma Plus	Tanta	1	Michael Hamdy	1025689357
6	Ramacin	El Mansora	2	Doha Abdullah	1141601065
7	Elixir pharma Delta office	Tanta	1	Hassan Sabry	4035774102
8	Beta Pharm	Cairo	4	Adel Seleem	3412050101
9	Adwia SAE	Cairo	4	Maged Sobhy	3330222135
10	Amecath	Cairo	4	Yara Saied	3033122231

Drugs

Barcode	D_name	Gen_name	Usage	D_type	Price	Exist_Qnt
1000	OLFEN	diclofenace	treat mild to moderate pain	ampoule	26.5	10
1001	OLFEN	diclofenace	treat mild to moderate pain	tablet	24	10
1002	PREX	Pregabalin	management of neuropathic	capsoul	92	10
1003	Claritine	Loratadine	antihistamine	tablet	43	10
1004	Claritine	Loratadine	antihistamine	syroup	21	10
1005	lorine	Loratadine	antihistamine	tablet	16.8	10
1006	lorine	Loratadine	antihistamine	syroup	16.8	10
1007	epifenac	diclofenac sodium	Analgesic and antipyretic	drop	9	10
1008	epifenac	diclofenac sodium	Analgesic and antipyretic	tablet	12	10
1009	epifenac	diclofenac sodium	Analgesic and antipyretic	Supp	8	10
1010	epifenac	diclofenac sodium	Analgesic and antipyretic	ampoule	18	10
1011	voltaren	diclofenac sodium	Analgesic and antipyretic	tablet	45	10
1012	voltaren	diclofenac sodium	Analgesic and antipyretic	sup	9	10
1013	voltaren	diclofenac sodium	Analgesic and antipyretic	Amp	58	10
1014	voltaren	diclofenac sodium	Analgesic and antipyretic	drop	23.6	10
1015	antodine	Famotidine	Ulcers	tablet	58.5	10
1016	antodine	Famotidine	Ulcers	ampoule	27	10
1017	omez	omeprazole	Ulcers	capsoul	73	10
1018	pantoloc	pantoprazole	Ulcers	tablet	21	10
1019	hibiotic	amoxicillin+clavulanic	antibiotic	tablet	91	10

Emloyees

EID	F_name	L_name	W_hours	Age	Salary
10	Vishal	Verma	5	24	2500
11	Vivek	Diwan	5	23	2500
12	Ahmed	Samy	7	35	2520
13	Maged	Keshk	7	31	2520
14	Yasser	Ali	8	37	2530

E_numbers

EID	Phone_num
10	1035667866
10	1156357989
11	1025896217
12	1135678953
12	1235798567
12	1535795216
13	1056479823
14	1154879536
14	1235676535

Export

Barcode	CID	Order_Qnty	O_date	O_price
1000	5	100	2018-02-12 10:25:25.000	1500
1009	7	1000	2021-10-05 12:05:01.000	5000
1010	3	300	2022-01-25 03:10:18.000	2500
1012	5	2000	2020-02-05 05:16:00.000	15000
1015	7	125	2019-12-15 07:57:51.000	5000
1015	7	125	2020-06-17 05:36:01.000	5000

Sell

EID	Barcode	T_price	Price_sale	Consumed	Con_date
10	1000	79	63	3	2022-12-03 05:35:24.000
10	1000	79	63	3	2022-12-04 04:22:12.000
11	1003	258	206	6	2022-08-20 11:43:50.000
12	1009	8	6	5	2022-12-21 04:22:12.000
12	1009	8	6	3	2023-01-05 04:22:12.000
13	1008	48	38	4	2022-05-01 06:20:29.000
14	1004	21	16	3	2022-10-11 04:22:12.000
14	1018	42	33	2	2022-10-15 09:15:00.000