Title: Deli-Meds

Milestone: Implementation in MySQL

Yaswanth Reddy Nalamalapu

Venkata Mani Sivasai Shanmukha Goparaju

617-777-5405 (Tel of Student 1)

857-397-5588 (Tel of Student 2)

nalamalapu.y@northeastern.edu
goparaju.v@northeastern.edu

Percentage of Effort Contributed by Student1:   50%

Percentage of Effort Contributed by Student2:   50%

Signature of Student 1: Yaswanth Reddy Nalamalapu

Signature of Student 2: Venkata Mani Sivasai Shanmukha Goparaju

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Implementation Summary:

For this Project we have generated the data using an online data generator namely: https://filldb.info.

As for creating the schema we have created a new schema named Deli_Meds. Here DEFAULT CHARACTER SET utf8mb4 and DEFAULT COLLATE utf8mb4_general_ci are used to specify the default character set and collation for a database or table in MySQL.

When you set these defaults at the database level, it means that if you create tables within that database without explicitly specifying a character set or collation, they will inherit these defaults. It helps maintain consistency in how character encoding and collation are handled across database.

Then we have created the schema using the DDL commands

DDL Commands:

1. **The code to create the schema is:**

CREATE SCHEMA IF NOT EXISTS Deli_Meds

 DEFAULT CHARACTER SET utf8mb4

 DEFAULT COLLATE utf8mb4_general_ci;

2. **Creating a Table for Doctor:**

CREATE TABLE Doctor (

   Doctor_SSN CHAR(10) PRIMARY KEY,

   Doctor_Name VARCHAR(255),

   Specialty VARCHAR(255)

);

3. **Creating a Table for Customer:**

CREATE TABLE Customer (

   Customer_ID INT PRIMARY KEY,

   Customer_Firstname VARCHAR(255),

   Customer_Lastname VARCHAR(255),

   Customer_StreetAdress VARCHAR(255),

   Customer_City VARCHAR(255),

   Customer_ZipCode VARCHAR(10),

```
    Customer_Phone VARCHAR(15),

    Customer_email VARCHAR(255),

    Customer_Password VARCHAR(255),

    UNIQUE KEY (Customer_Phone, Customer_email, Customer_Password)

);
```

4. Creating a Table for Review:

```
CREATE TABLE Review (

    Customer_ID INT NOT NULL,

    Review_Number INT NOT NULL,

    Comment TEXT,

    PRIMARY KEY (Customer_ID, Review_Number),

    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID) ON DELETE CASCADE

);
```

5. Creating a Table for Pharmacy:

```
CREATE TABLE Pharmacy (

    Pharmacy_ID INT PRIMARY KEY,

    Pharmacy_Name VARCHAR(255),

    Pharmacy_Location VARCHAR(255),

    Pharmacy_StreetAdress VARCHAR(255),

    Pharmacy_City VARCHAR(255),

    Pharmacy_ZipCode VARCHAR(10)

);
```

6. Creating a Table for Orders:

```
CREATE TABLE Orders (

    Order_ID INT PRIMARY KEY,

    Customer_ID INT NOT NULL,

    Order_Date DATE,

    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
```

);

7. Creating a Table for Cart:

CREATE TABLE Cart (

   Cart_ID INT PRIMARY KEY,

   Pharmacy_ID INT NOT NULL,

   Order_ID INT,

   FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID),

   FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID) ON DELETE SET NULL

);

8. Creating a Table for Prescription:

CREATE TABLE Prescription (

   Customer_ID INT NOT NULL,

   Doctor_SSN VARCHAR(10) NOT NULL,

   Cart_ID INT NOT NULL,

   Prescription_Date DATE,

   PRIMARY KEY (Customer_ID, Doctor_SSN, Cart_ID),

   FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID),

   FOREIGN KEY (Doctor_SSN) REFERENCES Doctor(Doctor_SSN),

   FOREIGN KEY (Cart_ID) REFERENCES Cart(Cart_ID)

);

9. Creating a Table for Pharmacy_Phone:

CREATE TABLE Pharmacy_Phone (

   Pharmacy_Phnr VARCHAR(15) PRIMARY KEY,

   Pharmacy_ID INT NOT NULL,

   FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID) ON DELETE CASCADE

);

10. Creating a Table for Medicine:

```
CREATE TABLE Medicine (
    Medicine_ID INT PRIMARY KEY,
    Pharmacy_ID INT NOT NULL,
    Medicine_Name VARCHAR(255),
    Medicine_Price DECIMAL(10, 2),
    FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID)
);
```

11. Creating a Table for Services:

```
CREATE TABLE Service (
    Service_ID INT PRIMARY KEY,
    Pharmacy_ID INT NOT NULL,
    Service_Type VARCHAR(255),
    Service_Description TEXT,
    Service_Price DECIMAL(10, 2),
    FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID)
);
```

12. Creating a Table for Products:

```
CREATE TABLE Product (
    Product_ID INT PRIMARY KEY,
    Pharmacy_ID INT NOT NULL,
    Product_Name VARCHAR(255),
    Product_Price DECIMAL(10, 2),
    FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID)
);
```

13. Creating a Table for Order_Details:

```
CREATE TABLE Order_Details (
    OD_ID INT PRIMARY KEY,
    Order_ID INT NOT NULL,
```

```
    Total_Price DECIMAL(10, 2),

    Quantity INT,

    Discount DECIMAL(5, 2),

    FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID) ON DELETE CASCADE

);
```

14. Creating a Table for Payment:

```
CREATE TABLE Payment (

    Payment_ID INT PRIMARY KEY,

    Order_ID INT NOT NULL,

    Amount DECIMAL(10, 2),

    Payment_Date DATE,

    FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID) ON DELETE CASCADE

);
```

15. Creating a Table for Staff:

```
CREATE TABLE Staff (

    Staff_ID INT PRIMARY KEY,

    Staff_SSN VARCHAR(10) UNIQUE,

    Staff_Name VARCHAR(255),

    Staff_Department VARCHAR(255),

    Staff_email VARCHAR(255) UNIQUE,

    Staff_Phone VARCHAR(15) UNIQUE

);
```

16. Creating a Table for Queries:

```
CREATE TABLE Queries (

    Query_ID INT PRIMARY KEY,

    Query_Date DATE,

    Query_Details TEXT

);
```

17. Creating a Table for Interaction:

```sql
CREATE TABLE Interaction (

    Staff_ID INT NOT NULL,

    Customer_ID INT NOT NULL,

    Query_ID INT NOT NULL,

    Interaction_Duration INT,

    PRIMARY KEY (Staff_ID, Customer_ID),

    FOREIGN KEY (Staff_ID) REFERENCES Staff(Staff_ID),

    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID),

    FOREIGN KEY (Query_ID) REFERENCES Queries(Query_ID)

);
```

18. Creating a Table for Admin:

```sql
CREATE TABLE Admin (

    Admin_ID INT PRIMARY KEY,

    Admin_Name VARCHAR(255),

    Admin_email VARCHAR(255) UNIQUE,

    Admin_Password VARCHAR(255),

    Admin_Phone VARCHAR(15) UNIQUE

);
```

19. Creating a Table for Offer:

```sql
CREATE TABLE Offer (

    Offer_ID INT PRIMARY KEY,

    Admin_ID INT NOT NULL,

    Offer_Code VARCHAR(255),

    Offer_Details TEXT,

    FOREIGN KEY (Admin_ID) REFERENCES Admin(Admin_ID)

);
```

20. Creating a Table for Offer_In:

```sql
CREATE TABLE Offer_In (
    Pharmacy_ID INT NOT NULL,
    Offer_ID INT NOT NULL,
    PRIMARY KEY (Pharmacy_ID, Offer_ID),
    FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID) ON DELETE CASCADE,
    FOREIGN KEY (Offer_ID) REFERENCES Offer(Offer_ID) ON DELETE CASCADE
);
```

21. Creating a Table for Delivery:

```sql
CREATE TABLE Delivery (
    Staff_ID INT NOT NULL,
    Pharmacy_ID INT NOT NULL,
    Order_ID INT NOT NULL,
    Delivery_Duration INT,
    Delivery_Date DATE,
    PRIMARY KEY (Staff_ID, Pharmacy_ID, Order_ID),
    FOREIGN KEY (Staff_ID) REFERENCES Staff(Staff_ID),
    FOREIGN KEY (Pharmacy_ID) REFERENCES Pharmacy(Pharmacy_ID),
    FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID)
);
```

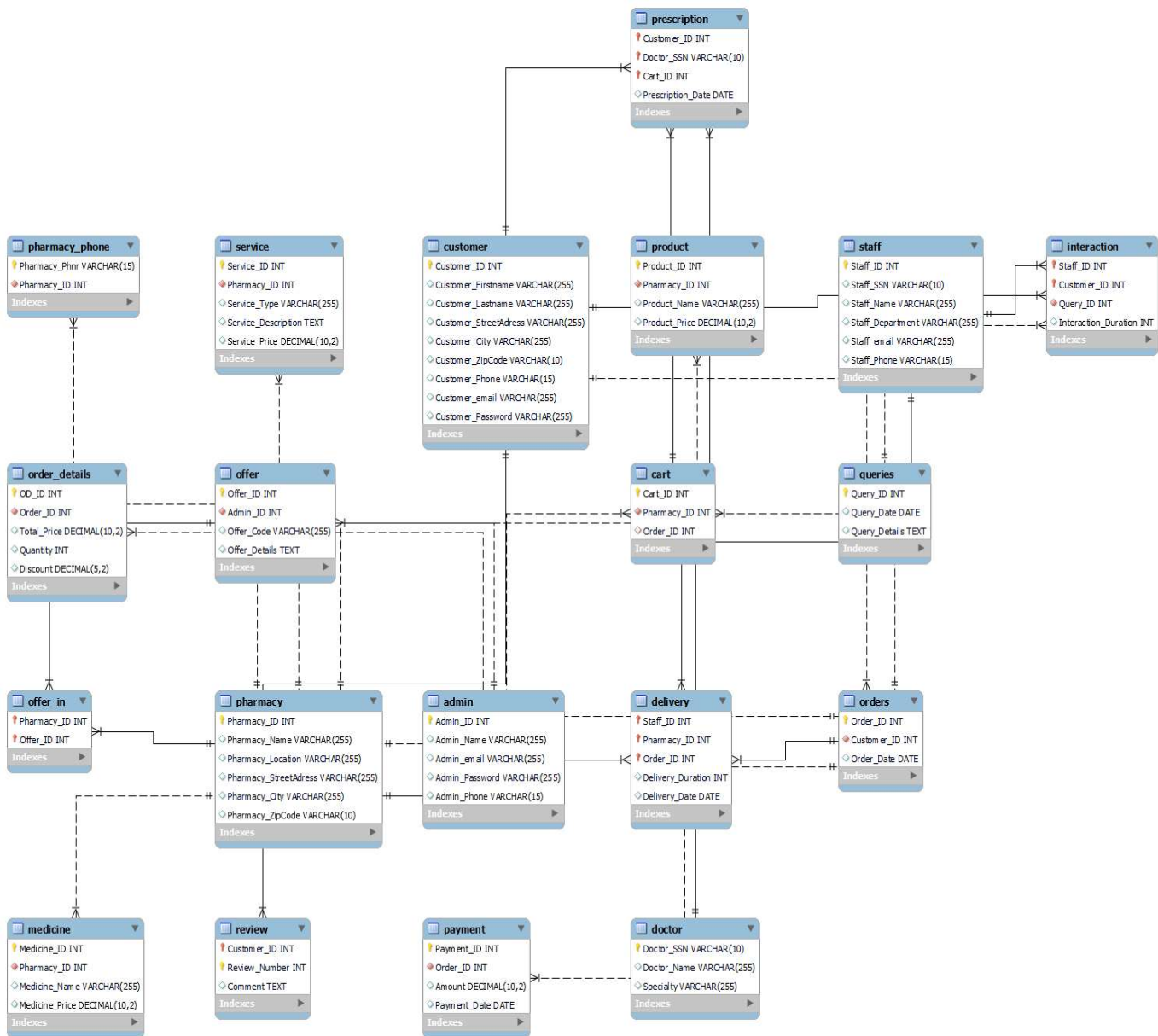# EER Diagram through Reverse Engineering MySQL Workbench:

prescription
- Customer_ID INT
- Doctor_SSN VARCHAR(10)
- Cart_ID INT
- Prescription_Date DATE
- Indexes

pharmacy_phone
- Pharmacy_Phnr VARCHAR(15)
- Pharmacy_ID INT
- Indexes

service
- Service_ID INT
- Pharmacy_ID INT
- Service_Type VARCHAR(255)
- Service_Description TEXT
- Service_Price DECIMAL(10,2)
- Indexes

customer
- Customer_ID INT
- Customer_Firstname VARCHAR(255)
- Customer_Lastname VARCHAR(255)
- Customer_StreetAdress VARCHAR(255)
- Customer_City VARCHAR(255)
- Customer_ZipCode VARCHAR(10)
- Customer_Phone VARCHAR(15)
- Customer_email VARCHAR(255)
- Customer_Password VARCHAR(255)
- Indexes

product
- Product_ID INT
- Pharmacy_ID INT
- Product_Name VARCHAR(255)
- Product_Price DECIMAL(10,2)
- Indexes

staff
- Staff_ID INT
- Staff_SSN VARCHAR(10)
- Staff_Name VARCHAR(255)
- Staff_Department VARCHAR(255)
- Staff_email VARCHAR(255)
- Staff_Phone VARCHAR(15)
- Indexes

interaction
- Staff_ID INT
- Customer_ID INT
- Query_ID INT
- Interaction_Duration INT
- Indexes

order_details
- OD_ID INT
- Order_ID INT
- Total_Price DECIMAL(10,2)
- Quantity INT
- Discount DECIMAL(5,2)
- Indexes

offer
- Offer_ID INT
- Admin_ID INT
- Offer_Code VARCHAR(255)
- Offer_Details TEXT
- Indexes

cart
- Cart_ID INT
- Pharmacy_ID INT
- Order_ID INT
- Indexes

queries
- Query_ID INT
- Query_Date DATE
- Query_Details TEXT
- Indexes

offer_in
- Pharmacy_ID INT
- Offer_ID INT
- Indexes

pharmacy
- Pharmacy_ID INT
- Pharmacy_Name VARCHAR(255)
- Pharmacy_Location VARCHAR(255)
- Pharmacy_StreetAdress VARCHAR(255)
- Pharmacy_City VARCHAR(255)
- Pharmacy_ZipCode VARCHAR(10)
- Indexes

admin
- Admin_ID INT
- Admin_Name VARCHAR(255)
- Admin_email VARCHAR(255)
- Admin_Password VARCHAR(255)
- Admin_Phone VARCHAR(15)
- Indexes

delivery
- Staff_ID INT
- Pharmacy_ID INT
- Order_ID INT
- Delivery_Duration INT
- Delivery_Date DATE
- Indexes

orders
- Order_ID INT
- Customer_ID INT
- Order_Date DATE
- Indexes

medicine
- Medicine_ID INT
- Pharmacy_ID INT
- Medicine_Name VARCHAR(255)
- Medicine_Price DECIMAL(10,2)
- Indexes

review
- Customer_ID INT
- Review_Number INT
- Comment TEXT
- Indexes

payment
- Payment_ID INT
- Order_ID INT
- Amount DECIMAL(10,2)
- Payment_Date DATE
- Indexes

doctor
- Doctor_SSN VARCHAR(10)
- Doctor_Name VARCHAR(255)
- Specialty VARCHAR(255)
- Indexes

Table screenshots:

1. Doctor Table:

Doctor_SSN	Doctor_Name	Specialty
1198254031	Quentin Durgan	beatae
1544285856	Miss Malinda VonRueden	quaerat
1614783509	Prof. Giovanny Feest	quidem
1688546142	Cindy Schaden	id
1712761080	Josefina McGlynn	eum
1831104078	Cruz Hoeger	nam
1910165443	Lorenzo Christiansen	porro
2031706078	Ms. Kayli Kris	eveniet
2196386697	Rosa Connelly	quisquam
2224223204	Rowena Swift	earum
2247329226	Daisy Runte Sr.	ad
2348641196	Zoe Bergnaum	error
2357804305	Hillard Okuneva	odit
2379333345	Danny Terry	quis

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2. Customer Table:

Customer_ID	Customer_Firstname	Customer_Lastname	Customer_StreetAdress	Customer_City	Customer_ZipCode	Customer_Phone	Customer_email	Customer_Password
1042058	Isabel	Bosco	Lukas Rapids	West Destany	84179-6598	289.687.0871	saltenwerth@example.com	ea5fc7329555d2f475c8ef75892023a9405c5b55
1047537	Colt	Dach	Della Views	East Gonzaloville	62565-1047	288-602-7006x17	bschaden@example.org	1d77aef76bfbb3863cccc06db2f8ea388d893bde8
1186988	Elisha	Graham	Rau Fords	Alfredafurt	14382	1-023-175-9798	alena.marquardt@example.net	54a605e8fcfe939dc55084b19f1d59fb2039961d
1396615	Julius	Bartell	Ellsworth Ridge	Haaghaven	96832-3079	+95(6)302661230	lurline79@example.net	76818c03eac738a2b55c54b42f60fd3e359b69c2
1408929	Pasquale	Douglas	Shayne Villages	New Abdulport	00664	1-374-574-8586x	pat56@example.net	ff2daeb97ddc58cf97a0590c3737f878d9ee186a
1452276	Tess	O'Keefe	Delbert Springs	Sidneyfurt	43315	541-560-8192x84	aurore42@example.net	6980e08013c252742e3f1abb1127ed44ee762dac
1483782	Eusebio	D'Amore	Marisol Ridge	Lake Sarahton	11042-4737	566.683.5319	chester.stiedemann@example.org	31953832d5f0c851dcd5f46c1d01b6c1f3adfeb9
1546644	Mabel	Swift	Daniel Stravenue	Maudiefort	86648-9727	526.489.6622x85	gtreutel@example.com	38f52c045c3eb8b363ed2cd8785e55d37b2225d0
1575365	Mina	Jakubowski	Oswaldo Fords	Klingland	98581	454.687.8295	wintheiser.jessie@example.net	d32564bd09ee74b46d616d8f6eb33d2c6ad8afb6
1628586	Loren	Franecki	Ernser Stravenue	Lake Brooke	24531	1-691-435-8923x	delphine.schinner@example.org	e021f92720fcc1e3af0b376e2f1784ee741f6da8
1792308	Madge	Rosenbaum	Roob Islands	Lake Betty	07507	425-297-1453	elisha38@example.net	80a5edf46e6cca4ae299759e777cd041a3a7bd4c
2151443	Mattie	Swift	Monahan Trafficway	Vivaport	09859	(426)466-8224x8	lamar81@example.net	e9d096d03f8d2344f2c90c505954b143a3935e0b
2172205	Benton	Hammes	Alexandre Summit	South Candace...	68218	1-238-320-9418x	jdouglas@example.org	ea9d7896a77a9b9ef06160e441054cf1fc7180c2
2182609	Maddison	Graham	Moore Land	Bettiechester	19511-4017	606.346.6981x43	bosco.joan@example.net	af3a3a1a9470f721f72e3f31b377f3d6f174fec6

3. Review Table:

Customer_ID	Review_Number	Comment
1042058	20	Natus aut non quia explicabo iusto. Ipsum enim ...
1042058	73	Id occaecati placeat quaerat. Omnis voluptatem...
1042058	98	Et provident reprehenderit labore quia. Et sed i...
1047537	46	Nobis eos ipsa quaerat qui laudantium minima v...
1047537	55	Id dolor debitis ipsa. Dolore sed expedita sit nihi...
1047537	96	Voluptatem quidem enim eos. Eum impedit haru...
1186988	24	Praesentium atque culpa quia odit rem cumque ...
1186988	27	Non minima dolor incidunt porro omnis ea porro....
1186988	42	Voluptatibus autem ut non a assumenda ut quib...
1396615	44	Eaque omnis quo repudiandae exercitationem e...
1396615	68	Error nisi temporibus non delectus amet. Quos o...
1396615	85	Sint velit sunt aut minus qui perspiciatis. Non re...
1408929	9	Error perferendis beatae qui possimus rerum et ...
1408929	14	Provident labore laboriosam a. Voluptatum solut...

4. Prescription Table:

Customer_ID	Doctor_SSN	Cart_ID	Prescription_Date
1042058	1198254031	1002892	2016-02-09
1047537	1544285856	1025903	2009-02-01
1186988	1614783509	1044106	2003-08-29
1396615	1688546142	1053763	1974-06-02
1408929	1712761080	1065200	2019-08-24
1452276	1831104078	1066609	1982-10-13
1483782	1910165443	1068144	1993-06-20
1546644	2031706078	1080836	1990-05-12
1575365	2196386697	1091297	1972-10-15
1628586	2224223204	1112562	1972-11-24
1792308	2247329226	1118286	2010-01-02
2151443	2348641196	1119288	2001-06-29
2172205	2357804305	1125843	1988-10-22
2182609	2379333345	1127582	2011-02-02

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5. Cart Table:

Cart_ID	Pharmacy_ID	Order_ID
1002892	8697544	8945784
1025903	6095422	8672894
1044106	2450420	3137555
1053763	2577930	6665415
1065200	1678816	9171823
1066609	2321410	4006534
1068144	9056531	2850026
1080836	7071843	9628600
1091297	1114976	1007688
1112562	7632584	7139858
1118286	4971478	2279850
1119288	9056531	6410969
1125843	5804895	1428711
1127582	4425775	4189800

6. Pharmacy Table:

Pharmacy_ID	Pharmacy_Name	Pharmacy_Location	Pharmacy_StreetAdress	Pharmacy_City	Pharmacy_ZipCode
1113170	Ut quis sit sit id non.	Luxembourg	1332 Nina Forest	West Jensen	12295
1114976	Unde distinctio eaque sed consequuntur dolores...	Cameroon	1555 Viola Fall	Deliaport	83568-0182
1188534	Amet harum placeat quisquam.	Armenia	862 Duncan Valleys	Lelahhaven	29367-8486
1358488	Molestiae optio aut minima excepturi culpa.	Madagascar	934 Murazik Shores Apt. 273	Lake Seamusstad	10740-1327
1436766	Magnam voluptates deserunt sint voluptas.	Timor-Leste	98384 Candace Junctions Suite 627	North Thaddeus	93616-7653
1678816	Totam consequuntur sequi delectus pariatur.	Bermuda	2273 Ratke Plaza Suite 758	Karaview	02605-0401
1696007	Molestias molestiae molestiae voluptates qui aut.	Romania	73416 Cleo Via Apt. 383	South Jason	14199
1815568	Hic quam harum sed.	United Kingdom	78306 Ankunding Bypass Suite 816	New Trevion	72450-7996
1920598	Dolorem omnis at explicabo expedita.	Peru	736 Hane Haven Apt. 669	South Brook	92491-4844
2017329	Reiciendis aut harum harum.	Solomon Islands	650 Towne Manor	Port Myron	63575-5393
2105754	Magnam assumenda ut architecto itaque.	Estonia	6566 Barrows Trail Apt. 602	New Jeffereyshire	56003-8624
2196541	Eum vitae nisi consequatur non harum velit.	Kenya	4482 Ryan Prairie	Bernieceton	57308-6241
2213915	Voluptatum odio odio ducimus omnis nobis inven...	Greece	8304 Gibson Ports Suite 191	Mauriceview	69310-7254
2232111	Voluptatem velit fugit omnis neque provident ex...	Saint Barthelemy	3574 Medhurst Extension Suite 194	West Destin	52705-1303

Pharmacy 28   Pharmacy 29 ✕

7. Orders Table:

Order_ID	Customer_ID	Order_Date
1005530	9578976	1997-11-17
1007688	9349429	2005-05-01
1021307	1628586	1977-06-05
1028141	8971686	2004-10-11
1035153	4552143	1981-06-06
1037372	5845765	2023-03-06
1039070	5543985	2023-05-17
1044034	2172205	2009-04-24
1044322	8613196	1990-04-09
1056155	6369707	1990-01-24
1076646	3842921	2013-07-25
1090898	6426832	2023-08-17
1093706	5543985	2012-03-02
1101936	1396615	1984-02-24

Pharmacy 28   Orders 30 ×

8. Pharmacy_Phone:

Pharmacy_Phnr	Pharmacy_ID
(068)945-2237	1113170
(167)187-8284	1113170
1-497-701-8246	1114976
889-925-4348x71	1114976
750-813-6586x73	1188534
862.573.8196	1188534
1-854-155-0157	1358488
501-359-5682	1358488
+04(6)800159847	1436766
+07(6)614817309	1436766
05115863644	1678816
1-206-987-6839x	1678816
252-590-6751x26	1696007
857-235-3027x40	1696007

Pharmacy 28   Pharmacy_Phone 31 ×

9. Medicine Table:

Medicine_ID	Pharmacy_ID	Medicine_Name	Medicine_Price
1000014	2998367	sed	99999999.99
1011342	6095422	ut	0.00
1016125	7215298	consectetur	0.00
1024485	2621189	sed	5052.65
1028199	3463582	praesentium	21844736.10
1033145	6095422	distinctio	47117.65
1038853	9056531	sed	99999999.99
1039005	2648837	repellendus	354.40
1054931	2232111	temporibus	435768.14
1081335	7782842	incidunt	0.00
1082230	9162043	non	47.74
1083144	8588905	earum	51659.00
1083443	4356538	corrupti	0.48
1101892	5058143	ea	631.35

Pharmacy 28   Medicine 32 ×

10. Service Table:

	Service_ID	Pharmacy_ID	Service_Type	Service_Description	Service_Price
▶	1061198	9264278	Et qui sed est modi.	Explicabo est velit voluptas distinctio qui dolore....	90038.90
	1063271	5024763	Quis quam est qui est.	Perspiciatis id in non quia ut. Dolor illo maxime la...	1.22
	1065321	7230270	Similique vitae voluptas distinctio vel voluptatem...	Voluptatem est non facere molestias. Occaecati...	2214390.50
	1211890	8106306	In non tempore laborum ut ullam quaerat nihil.	Nam eligendi dolorem facilis et provident atque ...	28370279.78
	1534275	2321410	Et quia quam voluptatem provident et provident...	Voluptatibus esse doloremque occaecati praese...	0.00
	1587760	2820698	Aliquam possimus distinctio sint alias ab ut distin...	Voluptatem est accusantium esse sit dolorem. A...	99999999.99
	1596306	3567151	Architecto dolore iusto nihil expedita dolorum.	Repellendus quae necessitatibus alias non. Eos ...	23185136.59
	1767880	6424068	Ipsa quis doloremque quae laboriosam est.	Laudantium quis et sapiente occaecati ullam veli...	116164.48
	1938371	1815568	Ut sit eaque sit at expedita sed harum.	Aut sint sequi et officiis doloribus sint voluptate...	4745.28
	2074821	5683503	Voluptate sint non ipsa molestiae perspiciatis rer...	Sit eligendi aut suscipit et est maiores. Quo tem...	1727249.62
	2112905	9025792	Velit id deleniti consectetur rerum animi accusan...	Ea ratione quos ut corporis. Vero minima volupt...	0.00
	2117169	9561799	Aut vitae minima qui odio.	Aspernatur qui consequatur quas et minima offi...	442.28
	2269373	2998367	Dolorem sequi nostrum quasi modi.	Nihil voluptas et quod et aut et. Ut et magnam ...	6.00
	2378488	2294933	Ut qui qui qui a.	Aperiam molestiae ratione sit mollitia tempora q...	2.22

Pharmacy 28   Service 33 ×

11. Product Table:

	Product_ID	Pharmacy_ID	Product_Name	Product_Price
▶	1010561	2490682	nisi	5110424.98
	1018886	1358488	omnis	8607.58
	1022093	4968332	dolor	1.13
	1022746	7071843	eveniet	24387531.60
	1030788	2621189	fugiat	14.07
	1032572	2294933	libero	99999999.99
	1038113	9025792	animi	290.50
	1085275	7704932	ducimus	18.00
	1094972	9041264	adipisci	4991.35
	1096596	2573652	neque	0.00
	1099433	7215298	porro	8165193.00
	1100951	7871692	est	596234.34
	1103283	2621189	eum	1120.94
	1108581	8518252	dolores	99999999.99

Pharmacy 28   Product 34 ×

12. Payment Table:

	Payment_ID	Order_ID	Amount	Payment_Date
▶	1014188	4170992	1.99	2007-08-30
	1018281	1123431	2916.61	1991-12-08
	1032596	9243962	37834526.08	1985-03-21
	1033850	8903762	40598172.80	1990-07-12
	1039419	4791969	99999999.99	2014-03-23
	1049254	8668363	0.00	2021-02-05
	1050746	7018199	1491086.67	2007-02-20
	1053470	4779949	99999999.99	2020-08-30
	1055997	5232367	30.97	1994-03-18
	1064069	8805468	99999999.99	2001-02-07
	1071926	4611586	11474789.09	2001-12-31
	1077375	7559306	32881.00	2005-08-07
	1084771	3483816	62.00	1993-05-23
	1097968	6140700	3942.81	2020-03-02

Pharmacy 28   Payment 35 ×

13. Order Details Table:

OD_ID	Order_ID	Total_Price	Quantity	Discount
10180736	4722332	2.00	9	0.00
10237442	9330539	18184241.30	0	999.99
10292037	1154035	99999999.99	7	999.99
10310435	9002124	0.00	1	0.00
10460624	3428227	22.89	4	0.00
10557626	7076845	14.00	2	0.00
10674057	9800692	0.37	5	71.00
10715429	5485133	101.97	2	0.00
10832021	1535149	2593273.56	9	0.00
10843879	5958542	0.00	0	187.00
11003383	7835401	4512.00	2	0.00
11061524	5560458	6.90	1	0.00
11120364	8086828	99999999.99	3	29.00
11144293	7640149	33.58	4	1.00

Pharmacy 28   Order_Details 36 ×

14. Staff Table:

Staff_ID	Staff_SSN	Staff_Name	Staff_Department	Staff_email	Staff_Phone
1154444	9967126379	Vivian Rau V		nestor49@example.com	577.372.5984x15
1306779	1178819618	Demond Grimes	odit	dboyer@example.org	432.506.6961x94
1655046	8556521635	Colin Becker Jr.	laudantium	randy.zulauf@example.org	(030)017-1541x9
1706149	5403429200	Miss Nelle Harber		dbosco@example.net	929.274.5974
1713822	3092183801	Kamryn Kling II		cartwright.sim@example.org	1-918-030-6899
1891995	1729476155	Mrs. Ernestine Harber V		brendan.beahan@example.com	757-000-6492x40
2105552	2116031472	Marcia Wilderman	et	etha.thiel@example.com	1-007-289-6501x
2212237	1770692756	Jettie Heathcote	sit	vgusikowski@example.org	(527)780-9781x1
2300829	6785685396	Johann Windler	tenetur	eric36@example.com	766-070-5632x68
2647698	7876906741	Prof. Lenore Trantow		warren.langosh@example.net	819.111.8233
2701279	5596825079	Libby Funk	fugit	bnienow@example.com	1-691-041-7215
2735406	3387423121	Johnathon Smith DDS	sit	pkemmer@example.com	(489)082-3960
2940397	5632961182	Skye Sporer	velit	sammy01@example.org	766.500.2346x00
2953921	5339095632	Glen Pollich	dignissimos	osinski.mireille@example.net	1-201-167-3047x

Pharmacy 28   Staff 37 ×

15. Interaction Table:

Staff_ID	Customer_ID	Query_ID	Interaction_Duration
1154444	1042058	1011827	40
1306779	1047537		10
1655046	1186988	1037266	27
1706149	1396615	1038700	30
1713822	1408929	1041680	54
1891995	1452276	1087462	10
2105552	1483782	1094388	52
2212237	1546644	1095337	13
2300829	1575365	1105403	43
2647698	1628586	1105591	26
2701279	1792308	1106937	44
2735406	2151443	1114691	11
2940397	2172205	1117289	36
2953921	2182609	1118995	15

Pharmacy 28   Interaction 38 ×

16. Queries Table:

Query_ID	Query_Date	Query_Details
1011827	2005-03-27	Molestiae ea qui optio similique quam consequat...
1026178	1978-07-20	Recusandae assumenda est non omnis. Aut in r....
1037266	1998-03-26	Fugiat ut nam et aliquam. Ex necessitatibus veli...
1038700	1987-11-04	Harum rem voluptas inventore sed vitae nobis. ...
1041680	2023-11-09	Vitae voluptatibus molestias enim ipsa facilis illo ...
1087462	2021-05-13	Alias libero eos rerum quisquam voluptatem. Qui...
1094388	1984-03-05	Ullam tenetur sunt aut. Quo aut doloribus velit ...
1095337	2015-10-02	Amet aspernatur et laboriosam ea saepe est im...
1105403	2002-02-10	Aliquam ullam minus accusamus quibusdam nece...
1105591	2000-12-04	Rerum cumque nobis est harum rerum error exc...
1106937	2009-07-26	Assumenda iusto ea ad ab officia. Occaecati ea...
1114691	1979-09-10	Tenetur enim sed totam dolorem. Perspiciatis ei...
1117289	1970-04-21	Qui consequatur unde quibusdam. Incidunt vel ...
1118995	2000-03-24	Dicta et quis quis qui quibusdam dolor sit. Nostr...

Pharmacy 28   Queries 39 ✕

17. Admin table:

Admin_ID	Admin_Name	Admin_email	Admin_Password	Admin_Phone
1034572	Viviane Bashirian	marlon.rohan@example.org	1fe2e0af0bfa74f6291565f340a0c225514bdb90	857.123.1165x17
1055666	Tre Willms DDS	hbarton@example.org	cdd7b12999897928690596f296f7f530bfe8d31a	1-692-900-9204x
1138831	Walter Harber DDS	zthiel@example.org	5fd0d1b7a1243ae188f1128f549f78970892889f	1-606-867-0087
1214832	Yvonne Sanford IV	jtreutel@example.com	dab9b1a9562c7165810703aca2514201e762ba85	(889)271-2452x0
1267176	Moses Feeney	durward.brekke@example.com	df2a5895ad1aec537ce408f85f3be3eaaf451d48	+36(0)523820529
1352108	Kitty Batz	xwalter@example.com	3daae3d511ebdee76774fc2d554ab0505a1a491a	621-254-0982x00
1352733	Tyrel Bednar	jorge.smitham@example.net	3e2ed4d2b7a03b32d28a64041ddc9abc41f6b301	(624)258-4442x1
1555677	Mr. Mohammed Quitzon III	joanne53@example.net	b9b3ed14f5d762ef7b4b7893573a3778de2fe479	(922)089-5159x8
1569881	Veda Stehr	maybell.lynch@example.net	dc58f7c8aea935f79b199f82f8509af391592e3a	512.287.3741
1609217	Jamar Kemmer	rickie85@example.com	22a5af699be94b311de913002332394072d7d678	918-894-3725x12
1892978	Willie Ferry	laurine42@example.com	3180de99d719d9ee68c333cd8da14521575453a0	1-672-418-8841
1927378	Judd Schultz V	bogisich.beatrice@example.com	ead5ce71b9b236bf7c29e7923448c59f59e36f9f	+94(1)016416980
2036888	Rasheed Walsh	gilbert01@example.net	b8e481664837485d78a127acee4c0c9456c19292	1-344-496-5122x
2039046	Vada Blanda	isabell83@example.com	39c7a0a295d2fb3e1c87bea2dca12af153596981	(401)312-6398

Pharmacy 28   Admin 40 ✕

18. Offer Table:

Offer_ID	Admin_ID	Offer_Code	Offer_Details
1005376	7525843	pnbh	Expedita explicabo deserunt deleniti repellat. Ut...
1016530	8602122	fwqc	Est minima qui quia quidem necessitatibus qui ex...
1020997	8176399	cfpl	Doloribus alias veniam quia est natus et. Libero ...
1023489	3920256	czad	Provident minus qui atque. Nam quia et nemo ei...
1023861	1214832	jzby	Sed itaque rerum accusamus aut sed saepe. Eni...
1026871	9671450	zlqf	At facere quis at. Quia tenetur voluptates volu...
1041077	8555038	vmir	Hic ad quis cupiditate dolor exercitationem. Alia...
1043979	1352733	ruus	Velit ducimus ut adipisci numquam nesciunt non....
1054593	6320879	zhif	Culpa ut et reprehenderit repudiandae tenetur ...
1059710	3322933	uvok	Quisquam impedit similique iusto optio. Est sapie...
1060441	6127429	wzha	Enim non sequi voluptatum repellendus maiores ...
1062224	8182371	tmqz	Provident culpa voluptas quia voluptatem odio u...
1069405	2529575	gmeb	Voluptas at voluptatem sunt odio voluptatibus. ...
1070840	1055666	ioik	Impedit in voluptas qui est ut est veniam. Magni...

Pharmacy 28   Offer 41 ✕

19. Offer_In Table:

Pharmacy_ID	Offer_ID
1113170	1005376
1114976	1016530
1188534	1114976
1358488	1023489
1436766	1023861
1678816	1026871
1696007	1041077
1815568	1043979
1920598	1054593
2017329	1059710
2105754	1060441
2196541	1062224
2213915	1069405
2232111	1070840

Pharmacy 28   Offer_In 42 ×

20. Delivery table:

Staff_ID	Pharmacy_ID	Order_ID	Delivery_Duration	Delivery_Date
1154444	1113170	1005530	38	1977-11-07
1154444	1113170	1849400	98	1971-06-15
1154444	1113170	2917525	6	1989-04-15
1154444	1113170	3854132	9	2011-10-26
1154444	1113170	4727497	52	1990-09-13
1154444	1113170	5638205	98	2021-02-18
1154444	1113170	6517748	63	2023-07-05
1154444	1113170	733767 6517748		2018-11-24
1154444	1113170	8135245	96	2003-06-05
1154444	1113170	9084889	73	2003-09-30
1306779	1114976	1007688	81	2005-11-29
1306779	1114976	1852552	37	1989-10-29
1306779	1114976	2925512	11	1987-02-16
1306779	1114976	3911164	67	1980-09-29

Pharmacy 28   delivery 43 ×

Sample Queries:

1. To find the Average payment paid by the customers:

   SELECT c.Customer_ID, AVG(p.Amount) AS AverageAmountPaid
   FROM Orders o, Customer c, Payment p
   where c.Customer_ID = o.Customer_ID and
   o.Order_ID = p.Order_ID
   GROUP BY o.Customer_ID;

Customer_ID	AverageAmountPaid
8384774	183201.645000
8818411	17158680.120000
6430417	5984371.453000
9361179	8182088.278000
5363319	10565601.902000
6148846	10975285.245000
3842921	2468737.520000
8161728	10919795.685000
7642218	18889582.713000

2. To get Staff Names and their respective departments:

   SELECT Staff_Name, Staff_Department FROM Staff;

Staff_Name	Staff_Department
Vivian Rau V	
Demond Grimes	odit
Colin Becker Jr.	laudantium
Miss Nelle Harber	
Kamryn Kling II	
Mrs. Ernestine Harber V	
Marcia Wilderman	et
Jettie Heathcote	sit
Johann Windler	tenetur

   Staff 4 ✕

3. To get The details of all the order with respect to customers first and last name:

SELECT Orders.*, Customer.Customer_Firstname, Customer.Customer_Lastname
FROM Orders
INNER JOIN Customer ON Orders.Customer_ID = Customer.Customer_ID;

	Order_ID	Customer_ID	Order_Date	Customer_Firstname	Customer_Lastname
▶	4648975	1042058	2018-06-20	Isabel	Bosco
	6204439	1042058	2017-01-17	Isabel	Bosco
	6231908	1042058	1982-09-01	Isabel	Bosco
	7002701	1042058	1984-12-15	Isabel	Bosco
	7501754	1042058	2007-03-05	Isabel	Bosco
	7638705	1042058	2022-05-01	Isabel	Bosco
	7837495	1042058	1973-04-03	Isabel	Bosco
	7998358	1042058	1989-10-03	Isabel	Bosco
	8206638	1042058	1996-01-07	Isabel	Bosco

Result 5 ×

4. Left outer Join of medicine and pharmacy table:

SELECT Medicine.*, Pharmacy.*
FROM Medicine
LEFT JOIN Pharmacy ON Medicine.Pharmacy_ID = Pharmacy.Pharmacy_ID;

	Medicine_ID	Pharmacy_ID	Medicine_Name	Medicine_Price	Pharmacy_ID	Pharmacy_Name	Pharmacy_Location	Pharmacy_StreetAdress	Pharmacy_City	Pharmacy_ZipCode
▶	1000014	2998367	sed	99999999.99	2998367	Dolor et nisi velit eos quod voluptas.	Angola	2465 Constantin Lane Apt. 235	Herzogborough	89357
	1011342	6095422	ut	0.00	6095422	Rerum alias fugiat ex et autem ab.	Saint Martin	41749 Graham Forges Suite 995	Lennybury	32944-4996
	1016125	7215298	consectetur	0.00	7215298	Voluptatem eveniet est reiciendis quasi fuga.	Uganda	2755 Mosciski Via	East Gregorio	87277-7163
	1024485	2621189	sed	5052.65	2621189	Vel nisi sed officia autem.	Austria	5131 Lakin Rue	Jesusfort	94412
	1028199	3463582	praesentium	21844736.10	3463582	Voluptas fuga sed assumenda voluptates.	Oman	725 Kirlin Cove Apt. 278	West Misaelborough	90778
	1033145	6095422	distinctio	47117.65	6095422	Rerum alias fugiat ex et autem ab.	Saint Martin	41749 Graham Forges Suite 995	Lennybury	32944-4996
	1038853	9056531	sed	99999999.99	9056531	Quisquam nulla sunt iste.	Malawi	387 Jacques Circles Suite 591	New Rossie	27327-7998

Result 7 ×

5. To get the total duration for the customers interacted with the customer care staff:

SELECT Customer_ID, SUM(Interaction_Duration) AS Total_Interaction_Duration
FROM Interaction
GROUP BY Customer_ID;

Customer_ID	TotalInteractionDuration
1042058	40
1047537	10
1186988	27
1396615	30
1408929	54
1452276	10
1483782	52
1546644	13
1575365	43
1628586	26

Result 8 ✕