

RxMed

By:

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(Pharmacy Store)



Project Scope:

RxMed plans to build a database to manage the information of customers and provide them with the best facility with minimum delivery charges.

This project's objective is to offer customers reasonably priced medications with extremely low shipping costs.

This is due to the fact that a sizable portion of India's population cannot afford basic medical care, therefore we try to help them by giving them access to generic medications. A generic drug is a prescription medication that is made to be identical to a brand-name drug that has previously been approved for marketing in terms of dose form, potency, mode of administration, quality, performance characteristics, and intended use.

Functional Requirements:

- **Admin Panel:**

- **Inventory Management:** Allows admin to check stock availability and add/delete product, category, Qty, etc.
- **Analysis Tools:** Helps admin to analyze their daily/overall sales and performance.
- **Offers/Deals:** Helps to introduce new offers/deals for elite and normal customers.
- **Payment Tracking:** Helps admin to look at revenue collection.

- **Customer Panel:**

- **Registration:** Allows new customers to sign up and existing ones to login.
- **Membership:** Allows customers to upgrade their status from normal to elite so they can get more discounts and free delivery.
- **Omni channel:** Allows customers to pick up from the store or get it home delivered with a minimal delivery cost(normal customers).
- **Payments:** Customers can prepay as well as select COD.
- **Cart Option:** Provides the customer with a cart facility and can directly checkout from there.
- **Skip Option while registering:** Customers can browse without login/signup.
- **Check Date of Manufacturing:** Allows to see manufacturing and expiry dates of the medicine.
- **Description:** Provides brief description of the medicine and its uses and precautions.

Tables and the columns:

- 1.Admin:** (`Admin_id`, `Admin_name`, `Admin_password`)
- 2.Distributor :**(`distributor_id`, `distributor_name`, `distributor_numb`)
- 3.Customer:** (`customer_id`, `customer_name`, `customer_age`,
`customer_gender`, `customer_email`, `customer_address`,
`customer_contact`, `customer_status`, `customer_password`)
- 4.Orders:** (`Order_id`, `order_total`, `customer_id`, `order_status`,
`order_channel`, `store_name`, `store_location`)
- 5.Invoice:** (`Invoice_id`, `Invoice_date`, `ModeofPayment`, `SumTotal`,
`Order_id`)
- 6.Prescription :** (`Prescription_id`, `Customer_id`, `Prescription_date`,
`Prescription_time`)
- 7.Product:** (`Product_id`, `Product_name`, `Product_m_date`,
`Product_e_date`, `Product_qty`, `Product_discount`, `Product_price`,
`Prod_discount_elite`, `Product_alternative_name`)
- 8.Stock:** (`Product_id`, `qty`, `Expiry`, `MRP`)
- 9.Cart:** (`Customer_id`, `Cart_products`, `cart_qty`, `cart_total`)
- 10.store_location:** (`Store_ID`, `store_name`, `store_location`)

Tables:

[Store_location](#), Primary key: Store_id

[Admin](#), Primary key: Admin_Id

[Invoice](#), Primary key: Invoice_id

[Stock](#), Foreign key: Product_id

[Cart](#), Foreign key: Customer_id

[Orders](#), Primary key: Order_id, Foreign key: Customer_id

[Prescription](#), Primary key: Prescription_id, Foreign key: Customer_id

[Distributor](#): Primary key:distributor_id

[Customer](#): Primary key: Customer_id, Index: customer_email

[Product](#): Primary key: Product_id, Index: Product_name

(Indexing will optimize and will allow us to search more efficiently.)

NOTE: We are following low cardinality as we have unique Id's for customers, admin, cart, invoice, store, orders and prescription.

Constraints:

Distributor

- Distributor_number has to be of 5 digits.

Customer:

- Customer contact has to be of 10 digits.

Product:

- Expired products cannot be added to the cart.

Admin:

- Admin_id cannot be more than 3 digits.

Invoice:

- Invoice_id cannot be more than 4 digits.

Stock:

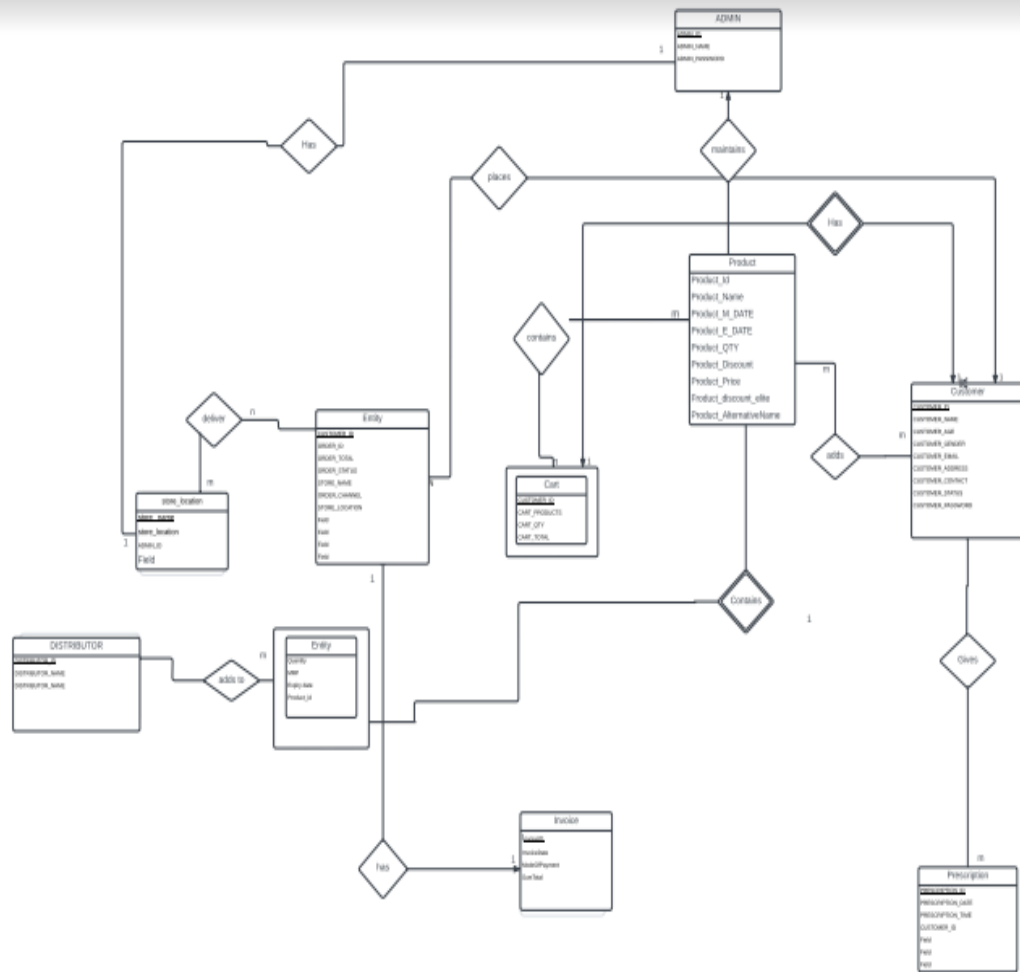
- Qty cannot exceed 1000 .
- Expired products cannot be included in cart

Cart:

- Qty cannot exceed 50.

NOTE: Id's of different tables can not be NULL.

DIAGRAMS:



Enter your choice (1/2/3):

Admin Login:

```
Admin Login
Enter Admin ID: 21
Enter Admin Password: 2
Logged in successfully!
Welcome Admin!
1. View All Users
2. View User Details
3. Add New Admin
4. Add New Product
5. View Orders
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: █
```

Welcome Admin:

```
Welcome Admin!
1. View All Users
2. View User Details
3. Add New Admin
4. Add New Product
5. View Orders
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 1
```

ID	Name	Age	Gender	Email	Address	Contact	Status
1	Narciso Donnelly	57	Female	fbernhard@klein.com	4005 Clifton Locks		
Brettton, MO 54747 66213734		Normal					
2	Gloria Yundt	49	Male	schaefer.ara@wisoky.net	86183 Jadyn River Suite 182		
Ernestland, UT 15466-7763 95437323			Elite				
3	Elna Conroy	49	Male	dspencer@rowe.biz	5933 Gusikowski Roads		
Alexandrefort, CO 66707 77358165			Elite				
4	Tyra O'Kon PhD	28	Female	kiera15@dietrich.com	315 Koss Meadows		
Cummingsfurt, DE 23056-0049 87438413			Elite				
5	Mr. Jeff Jacobi PhD	88	Male	vfay@jaskolskirogahn.info	9370 Brenda Parks		
North Kellenside, GA 36360-0785 93195737			Normal				
6	Elizabeth Halvorson	64	Male	jonatan68@jerde.com	87118 Crist Forge Apt. 381		
East Alba, WV 32470 49541694		Normal					
7	Keara Hirthe	75	Male	theo34@yahoo.com	33011 Robel Lakes		
Gutmannfort, MA 73921 92682009			Elite				
8	Rylan Lakin	24	Male	valentin.harvey@gmail.com	73774 Pablo Vista		
Johnstonfort, NY 65507 84197436			Normal				
9	Elvie Doolley	55	Female	kovacek.mary@nienowmoore.com	521 Fadel Coves		
East Hutterburgh, UT 20300 8304020			Elite				

```
1. View All Users
2. View User Details
3. Add New Admin
4. Add New Product
5. View Orders
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 4
Enter product name: crocin
Enter product quantity: 10000
Enter product discount: 15
Enter product price: 26
Enter product discount for elite customers: 18
Enter product alternative name: paracetamol
Enter product category: Antibiotic
Enter product description: Heals Pain
Enter product composition: ab + cd
Enter distributor ID: 9
Enter manufacture date (yyyy-mm-dd): 2023-04-02
Enter expiry date (yyyy-mm-dd): 2033-04-02
Product added successfully.
```



```
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 6
Sales data menu:
1. For past 1 year
2. For last 3 months
3. All time
4. For online orders
5. For offline orders
6. From subscriptions
0. Exit
Enter your choice (0-6): 1
Sales data for past 1 year: Rs. 976271
Sales data menu:
1. For past 1 year
2. For last 3 months
3. All time
4. For online orders
5. For offline orders
6. From subscriptions
0. Exit
Enter your choice (0-6): 2
Sales data for last 3 months: Rs. 801844
```

Store Management : add a new store location, delete a store location, exit.

```
What would you like to do?
1. Add a new store location
2. Delete a store location
3. Exit
Enter your choice (1-3): 1
Enter the store name: abcd
Enter the store location: majnu ka tila
```

Distributor Management:

```
1. View All Users
2. View User Details
3. Add New Admin
4. Add New Product
5. View Orders
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 8
Existing distributors:
1 - Stehr, Frami and Wunsch (31312509)
2 - Heaney-Kuhic (46391933)
3 - Kirlin LLC (77457554)
4 - Osinski-Quigley (58187227)
5 - Ripplin, Smith and Bergnaum (41347102)
6 - Gulgowski LLC (75069810)
7 - Weissnat-Bechtelar (30308480)
8 - Hodkiewicz Ltd (23325166)
9 - Dickens, Aufderhar and Rolfson (86006828)
10 - Ernser Ltd (22595263)
11 - Bradtke and Sons (42415480)
12 - Erdman-Pollich (4710462)
13 - Gleichner Inc (80135562)
14 - Thompson Group (47626256)
15 - Kunze, Sporer and Cormier (96913598)
16 - Hirthe, Bruen and Kulas (69947308)
17 - Langworth, Glover and Mertz (34278406)
18 - Herman-Nienow (71253442)
19 - Jacobson LLC (27275122)
20 - Marvin, Kris and Jenkins (84362834)
21 - Wunsch, Mante and Gaylord (55467261)
22 - Smith and Sons (66521624)
23 - Sanford and Sons (37449346)
```

Viewing the entire Stock:

```

9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 9
1. View entire stock
2. View stock less than 1000
3. View stock going to expire in 3 months or already expired
4. Update stock for a product
5. Quit
Enter your choice: 1
Entire stock:
1 - abjm, Quantity: 3212, Manufacture: 2001-01-25, Expiry: 2018-07-27
2 - obye, Quantity: 8966, Manufacture: 2006-01-30, Expiry: 2021-10-23
3 - sutr, Quantity: 6946, Manufacture: 1994-12-25, Expiry: 2018-02-25
4 - zyeve, Quantity: 9362, Manufacture: 2017-03-31, Expiry: 2019-06-24
5 - reiw, Quantity: 7141, Manufacture: 2005-10-29, Expiry: 2020-06-27
6 - knzb, Quantity: 4270, Manufacture: 2022-10-11, Expiry: 2018-06-01
7 - lvdm, Quantity: 7038, Manufacture: 2001-12-25, Expiry: 2018-03-02
8 - yxvc, Quantity: 7901, Manufacture: 2006-01-11, Expiry: 2021-08-20
9 - zfbk, Quantity: 4536, Manufacture: 2004-12-23, Expiry: 2023-04-15
10 - svcq, Quantity: 2782, Manufacture: 2009-09-25, Expiry: 2023-06-17
11 - qben, Quantity: 9702, Manufacture: 2001-12-19, Expiry: 2018-02-19
12 - msji, Quantity: 7117, Manufacture: 2018-04-15, Expiry: 2023-01-13
13 - pjti, Quantity: 1462, Manufacture: 2006-03-12, Expiry: 2020-02-24
14 - tckg, Quantity: 949, Manufacture: 1994-02-09, Expiry: 2023-02-07
15 - tsld, Quantity: 7005, Manufacture: 2018-08-11, Expiry: 2020-06-20
16 - qnih, Quantity: 9792, Manufacture: 2000-01-02, Expiry: 2020-06-05
17 - phoz, Quantity: 6913, Manufacture: 1994-06-29, Expiry: 2019-07-01
18 - ikul, Quantity: 4618, Manufacture: 2005-12-10, Expiry: 2019-03-16
19 - dien, Quantity: 2434, Manufacture: 2001-10-29, Expiry: 2020-12-14
20 - igxc, Quantity: 9832, Manufacture: 2019-06-30, Expiry: 2019-01-03
21 - quov, Quantity: 7632, Manufacture: 2018-06-20, Expiry: 2023-08-01
22 - nztb, Quantity: 6025, Manufacture: 2008-01-24, Expiry: 2022-11-10
23 - pxwe, Quantity: 3088, Manufacture: 1996-04-01, Expiry: 2022-11-20
24 - pcqm, Quantity: 7835, Manufacture: 2017-12-22, Expiry: 2018-07-16
25 - knvw, Quantity: 9482, Manufacture: 2005-05-03, Expiry: 2020-01-10

```

Viewing all orders:

```

1. View All Users
2. View User Details
3. Add New Admin
4. Add New Product
5. View Orders
6. View Sales
7. Store Management
8. Distributor Management
9. Manage Stock
10. View All Orders
11. Logout
Enter your choice: 10
Order ID      Order Date      Order Total  Order Status      Order Channel      Store Name      Store Location
-----
-----
1 2021-03-30 331 Un-Fulfilled Online N/A N/A
2 2022-03-27 347 Fulfilled Online N/A N/A
3 2022-12-18 458 Fulfilled Offline Pollich LLC 69862 Sonya Court
Lake Dudleyburgh, NE 35900-5302
4 2021-10-26 483 Un-Fulfilled Offline Hills-Jerde 6119 Rachael Manors Suite 418
New Henrifort, WV 21978
5 2023-01-18 550 Fulfilled Offline Orn, Miller and Fahey 680 Mante Parkway
Hartmannfort, TN 99299-9575
6 2022-01-28 590 Fulfilled Offline Bednar-Kuhic 04229 Michale Locks Suite 633
Kreigerside, NY 78214
7 2022-03-16 594 Un-Fulfilled Offline Johns-Brakus 032 Kulas Harbors
Lake Alexashire, TX 14988
8 2021-11-02 747 Un-Fulfilled Online N/A N/A
9 2022-07-24 790 Un-Fulfilled Offline Douglas Ltd 42130 Botsford Ranch Suite 425
North Maidaside, NJ 12161

```

User Dashboard:

```

Logged in successfully!
User Dashboard
1. View Products
2. View cart
3. View orders
4. Buy Elite Membership
5. Add prescription
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): █

```

View Products:

```

User Dashboard
1. View Products
2. View cart
3. View orders
4. Buy Elite Membership
5. Add prescription
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 1
Available categories:
1. Antibiotics
2. Antacid
3. Schedule H Drug
4. Steriods
5. Ayurvedic
6. Wellness
7. abc
8. w
9. ww
10. Antibiotic
Enter a number (1-10) to view products by category or 'all' to view all products:

```

View Cart:

```

User Dashboard
1. View Products
2. View cart
3. View orders
4. Buy Elite Membership
5. Add prescription
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 2
Product ID Product Name          Quantity  Price
-----
154         crocin                11        26
-----
Total: 286

```

Elite Membership:

```
4. Buy Elite Membership
5. Add prescription
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 4
You are already an ELITE member.
```

Adding and Viewing Prescription:

```
5. Add prescription
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 5
Enter product names separated by commas (or press enter to finish): crocin,asdddd
crocin added to prescription
asdddd is not in stock
Prescription added successfully
```



```
6. View prescriptions
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 6
Prescriptions for customer:
Prescription ID: 106, Date: 2023-04-21, Time: 8:50:23
Prescription ID: 123, Date: 2023-04-22, Time: 15:51:32
Prescription ID: 131, Date: 2023-04-22, Time: 16:07:51
Prescription ID: 133, Date: 2023-04-22, Time: 16:13:19
Prescription ID: 134, Date: 2023-04-22, Time: 16:18:06
Prescription ID: 135, Date: 2023-04-22, Time: 16:19:50
Prescription ID: 136, Date: 2023-04-22, Time: 16:22:47
Prescription ID: 137, Date: 2023-04-22, Time: 16:24:08
Prescription ID: 138, Date: 2023-04-22, Time: 16:25:41
Prescription ID: 139, Date: 2023-04-22, Time: 16:25:58
Prescription ID: 140, Date: 2023-04-22, Time: 16:27:45
Prescription ID: 141, Date: 2023-04-22, Time: 16:29:58
Prescription ID: 142, Date: 2023-04-22, Time: 16:59:42
Prescription ID: 143, Date: 2023-04-22, Time: 22:52:34
Prescription ID: 144, Date: 2023-04-22, Time: 23:19:23
Prescription ID: 146, Date: 2023-04-24, Time: 17:29:24
Prescription ID: 147, Date: 2023-04-24, Time: 20:35:09
Prescription ID: 148, Date: 2023-04-24, Time: 20:35:43
Enter the ID of the prescription to view its details (or press enter to skip):
```

Adding Prescription to Cart:

```
7. Add prescription to cart
8. Logout
Enter your choice (1/2/3): 7
Prescriptions for customer:
Prescription ID: 106, Date: 2023-04-21, Time: 8:50:23
Prescription ID: 123, Date: 2023-04-22, Time: 15:51:32
Prescription ID: 131, Date: 2023-04-22, Time: 16:07:51
Prescription ID: 133, Date: 2023-04-22, Time: 16:13:19
Prescription ID: 134, Date: 2023-04-22, Time: 16:18:06
Prescription ID: 135, Date: 2023-04-22, Time: 16:19:50
Prescription ID: 136, Date: 2023-04-22, Time: 16:22:47
Prescription ID: 137, Date: 2023-04-22, Time: 16:24:08
Prescription ID: 138, Date: 2023-04-22, Time: 16:25:41
Prescription ID: 139, Date: 2023-04-22, Time: 16:25:58
Prescription ID: 140, Date: 2023-04-22, Time: 16:27:45
Prescription ID: 141, Date: 2023-04-22, Time: 16:29:58
Prescription ID: 142, Date: 2023-04-22, Time: 16:59:42
Prescription ID: 143, Date: 2023-04-22, Time: 22:52:34
Prescription ID: 144, Date: 2023-04-22, Time: 23:19:23
Prescription ID: 146, Date: 2023-04-24, Time: 17:29:24
Prescription ID: 147, Date: 2023-04-24, Time: 20:35:09
Prescription ID: 148, Date: 2023-04-24, Time: 20:35:43
Enter the ID of the prescription to view its details (or press enter to skip): 148
Prescription ID: 148, Date: 2023-04-24, Time: 20:35:43
Products in prescription:
Product ID: 154, Product Name: crocin
enter prescription id to add to cart: 148
Prescription items added to cart!
```

Forgot Password:

```
3. Forgot Password?
4. Forgot Password?(Admin)
5. Exit
Enter your choice (1/2/3): 3
Enter your email address: 1
Enter the OTP sent to your email address: 1234
Enter your new password: 1
Confirm your new password: 1
Password updated successfully!
Welcome to RxMED!
0. Admin Login
1. Login
2. Register
3. Forgot Password?
4. Forgot Password?(Admin)
5. Exit
Enter your choice (1/2/3): 4
Enter your Admin ID: 21
Enter the OTP sent to your email address: 1234
Enter your new password: 21
Confirm your new password: 21
Password updated successfully!
```

In conclusion, the pharmacy database management system project serves as an embodiment of goodwill towards providing affordable healthcare options to everyone. The project aims to provide access to both branded and generic medicines, thus ensuring that no one is left behind in the pursuit of better health. By creating a platform that is accessible to all, the project fosters inclusivity and promotes the welfare of society as a whole. The project's success will not only benefit the pharmacy, but it will also positively impact the lives of those who need it the most. Ultimately, this project is a shining example of how technology can be leveraged to create positive social impact and help make the world a better place.

