

Database Project Report

Drug Dealer

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Research key requirements:

- Require data
 - Medicine Information
 - Employee Information
 - Role
 - Sale
 - Sale Details
 - Member Information
- Business operation
 - User registration / management
 - Adding / Stock Medicine
 - Member management
 - Payment

Problem : Some pharmacies still store various information in notebooks and sales documents. This makes searching for information inconvenient and not as fast as it should be and also data loss. In addition, some stores have problems with in-store handling of products that are difficult to verify, causing errors in checking stock. and also encountered other work systems such as calculating the product price, cannot find products in the store or the number of medicines is not enough to sell to customers.

Solution : Therefore, it is necessary to have a more standardized pharmacy management system that will cause minimal or no error at all. So, we decided to implement the management system which will let the pharmacy add information about their medicine and show details of their medicine. We also implemented member management for storing the member information of buying medicine, and we also created a payment method for them.

Tables Explain

Role

Roles have one to many relationships with employees because employees can have only one role but each role can be assigned to many employees. This table is used to identify the roles.

Employee

Employees have one to many relationships with sale because each employee can manage many sales, and each sale can be managed only once. This table is used to store the employees information.

Member

Member also have one to many relationships with sale because each member can order many sales, and each sale can be ordered only once. This table is used to store the member information including collecting points and discounts.

Sale

Sales have one to many with sales detail because when the customer buy many kinds of medicine, sales detail will store many times depending on how many kinds of medicine. This table is used to store the information of the sale of medicine.

Sale detail

This table is used to store the sale information of one or many kinds of medicine.

Medicine

Medicine have one to one relationship with sale. This table is used to store the information of each medicine including the price and stock.

Relation

Employee

	employee_id	username	password	firstname	lastname	email	employee_tel	role_id
1	1	admin	pbkdf2:sha256:260000\$hl0szT61aadAb4wc\$9844137d7e80aa2255a8e05aff..	admin	admin	admin	0000000000	2
2	2	tan	pbkdf2:sha256:260000\$SdjbfYBNwmCuseIR\$a2227b7c30de0ef7baee74a578..	thana	lert	tanthanap..	0992242914	1
3	3	spman	pbkdf2:sha256:260000\$88RRTS6F0q9cFI9v\$5a84d2a4e610aad706f0c76ba6..	Super	Man	spman@gma..	0887877731	1

Role

	role_id	role_type	role_name
1	1	EMPLOYEE	employee
2	2	ADMIN	admin

Member

	member_id	name	member_tel	member_point
1	1	test	0888888888	0
2	2	peach	0882674431	0
3	3	supreme	0876543256	0

Medicine

medicine_id	medicine_name	medicine_detail	medicine_price	medicine_stock
1	Paracetamol	used to treat fever and mild to moderate pain	10	100
2	Fatec	treat Atopic Dermatitis, Dermatitis, Blocked Nose, Jock Itch, Hives, Fever, Rhinitis, H...	40	50

Sale

	sale_id	sale_date	total_sale	discount	member_id	employee_id
1	2	12/12/2022, 21:03:33	90	0	1	0
2	3	12/12/2022, 21:03:58	230	0	<null>	0

Sale Detail

	sale_detail_id	sale_id	medicine_id	amount
1	1	2	1	1
2	2	2	2	2
3	3	3	1	3
4	4	3	2	5

ER Design

