

Good Grofers

By

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Entities, Attributes & Schemas

admin:

Schema: admin(admin_id, admin_pass, admin_state)

admin_id	INT PRIMARY KEY AUTO INCREMENT
admin_pass	VARCHAR(20) NOT NULL CHECK LENGTH BETWEEN 8 AND 20 CHECK (customer_pass REGEXP '[0-9]' AND customer_pass REGEXP '[a-zA-Z]')
admin_state	VARCHAR(20) NOT NULL

address:

Schema: address(address_id,city,pincode,state)

address_id	INT PRIMARY KEY AUTO INCREMENT
city	VARCHAR(50) NOT NULL
pincode	INT CHECK LENGTH=6
state	VARCHAR(50) NOT NULL

customer:

Schema: customer(customer_id, mail_id, address_id, phone_number, customer_pass)

customer_id	INT PRIMARY KEY AUTO INCREMENT
mail_id	VARCHAR(50) NOT NULL UNIQUE
address_id	INT FOREIGN KEY REFERENCES address

phone_number	VARCHAR(10) NOT NULL UNIQUE
customer_pass	VARCHAR(20) NOT NULL CHECK LENGTH BETWEEN 8 AND 20 CHECK (customer_pass REGEXP '[0-9]' AND customer_pass REGEXP '[a-zA-Z]')

supplier:

Schema: supplier(supplier_id, name, phone_number)

supplier_id	INT PRIMARY KEY AUTO_INCREMENT
name	VARCHAR(50) NOT NULL
phone_number	VARCHAR(10) NOT NULL

manager:

Schema: manager(manager_id, address_id, admin_id, name, password, phone_number)

manager_id	INT PRIMARY KEY AUTO_INCREMENT
address_id	INT FOREIGN KEY REFERENCES address
admin_id	INT

	FOREIGN KEY REFERENCES admin
name	VARCHAR(50) NOT NULL
password	VARCHAR(20) NOT NULL CHECK LENGTH BETWEEN 8 AND 20 CHECK (customer_pass REGEXP '[0-9]' AND customer_pass REGEXP '[a-zA-Z]')
phone_number	VARCHAR(10) NOT NULL UNIQUE

partner:

partner(partner_id, address_id, manager_id, name, phone_number, status)

partner_id	INT PRIMARY KEY AUTO_INCREMENT
address_id	INT FOREIGN KEY REFERENCES address
manager_id	INT FOREIGN KEY REFERENCES manager
name	VARCHAR(15) NOT NULL
phone_number	VARCHAR(10) NOT NULL UNIQUE
status	INT NOT NULL CHECK (status = 0 OR status = 1)

category:

Schema: category(category_id, category_name)

category_id	INT PRIMARY KEY AUTO_INCREMENT
category_name	VARCHAR(20) NOT NULL

store:

Schema: store(store_id, manager_id, city)

store_id	INT PRIMARY KEY AUTO_INCREMENT
manager_id	INT FOREIGN KEY REFERENCES manager
city	VARCHAR(50) NOT NULL

payment:

Schema: payment(payment_id, customer_id, payment_id, payment_date)

payment_id	INT PRIMARY KEY AUTO_INCREMENT
customer_id	INT

	FOREIGN KEY REFERENCES customer
payment_id	VARCHAR(20) NOT NULL
payment_date	DATE

orders:

Schema: orders(order_id, partner_id, customer_id, payment_id, order_date, amount)

order_id	INT PRIMARY KEY AUTO_INCREMENT
partner_id	INT FOREIGN KEY REFERENCES partner
customer_id	INT FOREIGN KEY REFERENCES customer
payment_id	INT FOREIGN KEY REFERENCES payment
order_date	DATE NOT NULL
amount	INT

product:

Schema: product(product_id, category_id, supplier_id, store_id, name, price, quantity)

product_id	INT PRIMARY KEY AUTO_INCREMENT
category_id	INT

	FOREIGN KEY REFERENCES category
supplier_id	INT FOREIGN KEY REFERENCES supplier
store_id	INT FOREIGN KEY REFERENCES store
name	VARCHAR(50) NOT NULL
price	INT NOT NULL
quantity	INT

cart:

Schema: cart(order_id, customer_id, product_id, quantity)

order_id	INT FOREIGN KEY REFERENCES orders
customer_id	INT FOREIGN KEY REFERENCES customer
product_id	INT FOREIGN KEY REFERENCES product
quantity	INT NOT NULL