Data Dictionary

User

Field	Type	Constraints
user_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
name	VARCHAR	Not Null
email	VARCHAR	UNIQUE, Not Null
password	VARCHAR	Not Null
phone_no	VARCHAR	Not Null

Cart

Field	Type	Constraints
cart_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
user_id (FK)	INT	FOREIGN KEY REFERENCES User(user_id)
address	VARCHAR	Not Null

Order

Field	Type	Constraints
order_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
cart_id (FK)	INT	FOREIGN KEY REFERENCES Cart(cart_id)
total_amount	DECIMAL	Check(total_amount>=0), Not Null
order_date	DATE	Not Null

Payment

Field	Type	Constraints

payment_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
order_id (FK)	INT	FOREIGN KEY REFERENCES Order(order_id)
amount	DECIMAL	Check(amount>=0), Not Null
status	ENUM	Values(Pending, Completed, Failed), Not Null
method	VARCHAR	Not Null
transaction_id	VARCHAR	Unique, Not Null

Meal Plan

Field	Type	Constraints
meal_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
provider_id (FK)	INT	FOREIGN KEY REFERENCES Provider(provider_id)
title	VARCHAR	Not Null
price	DECIMAL	Check(price>=0), Not Null

Provider

Field	Type	Constraints
provider_id (PK)	INT	PRIMARY KEY, Auto Increment, Not Null
name	VARCHAR	Not Null
email	VARCHAR	UNIQUE, Not Null
password	VARCHAR	Not Null
phone_no	VARCHAR	Not Null
address	VARCHAR	Not Null
menu	TEXT	Nullable