

Tables

stalls:

Column name	Datatype	Constraints/Rules
id	int/UUID	Primary
stall_name	varchar(255)	
status	ENUM	VALUES: Coming soon/temporary closed/permanently closed/active/inactive(for unknown status)
display_order	int	unique
stall_image	text	Url of the logo or stall image
contact_name	varchar(255)	
stall_area	varchar(100)	
open_at	time	
close_at	time	
stall_number	varchar(50)	unique
discount	int	In percentage - Stall specific discount applicable for all its menu items
created_at	Datetime	
updated_at	Datetime	

menu:

Column name	Datatype	Constraints/Rules
id	int/UUID	Primary
stall_id	int/UUID	Referenced to stalls table
name	varchar(255)	
price	NUMERIC(10, 2)	
item_image	text	Url of the item image
serving_quantity	float	Per order
serving_quantity_units	varchar(10)	(ml/g/mg/kg/piece(s))
is_available	bool	True - Available False - Unavailable
ingredients/description	text	
discount	int	In percentage - item specific discount applied to only this item
created_at	Datetime	
updated_at	Datetime	

`serving_quantity_units` as varchar is OK for now.

Optional improvement (not required) - Standardize values in code (ml, g, piece)

`price` datatype - `float` is **not recommended** for money so Floating-point precision issues can happen

orders:

Column name	Datatype	Constraints/Rules
id	int/UUID	Primary
table_number	int	
stall_id	int/UUID	Referenced to stalls table
order_status	ENUM	(Order placed / Preparing / Delay / Delivered)
estimated_delivery	int	Approx time to prepare and serve the food
total_payment	NUMERIC(10, 2)	Total price of Order
payment_status	ENUM	Processing / Success / Failed
created_at	Datetime	
updated_at	Datetime	

order_items:

Column name	Datatype	Constraints/Rules
id	int/UUID	Primary
order_id	int/UUID	Referenced to orders table
item_id	int/UUID	Referenced to menu table
quantity	int	
price_at_order_time	Numeric(10,2)	

- **order_items** has **item_id + quantity**
- Price comes from menu table - If menu price changes later, old orders become incorrect, so **price_at_order_time** should be added
- **PENDING / SUCCESS / FAILED** - against Network interruptions & Partial workflows

payments:

Column name	Datatype	Constraints/Rules
id	int/UUID	Primary
order_id	int/UUID	Referenced to orders table
payment_mode	Enum	UPI / CASH / CARD / WALLET / NET_BANKING
amount_paid	numeric(10,2)	
tax_applied	numeric(10,2)	
transection_id	UUID	Unique - if it is online Can be null
payment_status	ENUM	Processing / Success / Failed - get this value from API response
invoice_number	UUID	unique
invoice_date	Datetime	
created_at	Datetime	
updated_at	Datetime	

Recommendation:

- **transaction_id** can be **NULL**
- Unique constraint applies only when NOT NULL
- Store tax amount, not percentage
- Percentage can be derived/configured elsewhere