# PizzaShop Database Schema

## Table 1 : User

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| username | varchar | 50 | Not Null | | |
| password | varchar | 255 | Not Null | | |
| firstName | varchar | 50 | Not Null | | |
| lastName | varchar | 50 | Not Null | | |
| email | varchar | 100 | Not Null | | |
| imgUrl | varchar | 255 | | | |
| status | boolean | | Not Null | FALSE | |
| roleId | big serial | | Not Null | | Foreign Key |
| countryId | big serial | | Not Null | | Foreign Key |
| stateId | big serial | | Not Null | | Foreign Key |
| cityId | big serial | | Not Null | | Foreign Key |
| address | varchar | 100 | Not Null | | |
| zipcode | integer | | Not Null | | |
| phone | varchar | 50 | Not Null | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 2 : Country

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| countryId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |

## Table 3 : State

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| stateId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |
| countryId | big serial | | Not Null | | Foreign Key |

## Table 4 : City

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| cityId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |
| stateId | big serial | | Not Null | | Foreign Key |

## Table 5 : Role

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| roleId | big serial | | Not Null | | Primary Key |
| roleName | varchar | 50 | Not Null | | |

## Table 6 : Permissions

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| permissionId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |

## Table 7 : RolesAndPermissions

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| roleId | big serial | | Not Null | | Foreign Key |
| permissionId | big serial | | Not Null | | Foreign Key |
| canView | boolean | | Not Null | FALSE | |
| canAddEdit | boolean | | Not Null | FALSE | |
| canDelete | boolean | | Not Null | FALSE | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 8 : Categories

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| categoryId | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| description | varchar | 255 | | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 9 : Items

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| itemId | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| description | varchar | 255 | | | |
| itemTypeId | big serial | | Not Null | | Foreign Key |
| rate | decimal(10,2) | | Not Null | | |
| unitId | big serial | | Not Null | | Foreign Key |
| quantity | integer | | Not Null | 1 | |
| additionTax | decimal(10,2) | | Not Null | 0 | |
| defaultTax | boolean | | Not Null | FALSE | |
| taxId | big serial | | Not Null | | Foreign Key |
| isAvailable | boolean | | Not Null | FALSE | |
| shortCode | varchar | 50 | | | |
| imgUrl | varchar | 255 | | | |
| categoryId | big serial | | Not Null | | Foreign Key |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 10 : Item Type

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| imgUrl | varchar | 255 | | | |

## Table 11 : Units

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| unitId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |

## Table 12 : Modifier Group

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| description | varchar | 255 | | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 13 : Modifier Items

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| description | varchar | 255 | | | |
| modifierGroupId | big serial | | Not Null | | Foreign Key |
| rate | decimal(10,2) | | Not Null | | |
| unitId | big serial | | Not Null | | Foreign Key |
| quantity | integer | | Not Null | 1 | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 14 : Sections

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| sectionId | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| description | varchar | 255 | | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 15 : Tables

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| sectionId | big serial | | Not Null | | Foreign Key |
| capacity | integer | | Not Null | | |
| tableStatus | big serial | | Not Null | | Foreign Key |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 16 : Taxes

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 100 | Not Null | | |
| taxType | boolean | | Not Null | FALSE | |
| amount | decimal(10,2) | | Not Null | | |
| isEnabled | boolean | | Not Null | FALSE | |
| defaultTax | boolean | | Not Null | TRUE | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 17 : Orders

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| customerId | big serial | | Not Null | | Foreign Key |
| orderDate | timestamp | | Not Null | | |
| members | integer | | Not Null | 1 | |
| orderStatus | big serial | | Not Null | | Foreign Key |
| instruction | varchar | 120 | | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 18 : Order Table Mapping

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| tableId | big serial | | Not Null | | Foreign Key |

## Table 19 : Order Details

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| itemId | big serial | | Not Null | | Foreign Key |
| quantity | integer | | Not Null | 1 | |
| price | decimal(10,2) | | Not Null | | |
| Instruction | varchar | 120 | | | |

## Table 20 : Order Items Modifier

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderItemId | big serial | | Not Null | | Foreign Key |
| modifierItemId | big serial | | Not Null | | Foreign Key |
| rate | decimal(10,2) | | Not Null | | |
| quantity | Integer | | Not Null | 1 | |

## Table 21 : Customers

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| customerId | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |
| email | varchar | 100 | Not Null | | |
| phone | varchar | 20 | Not Null | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 22 : Waiting List

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| customerId | big serial | | Not Null | | Foreign Key |
| sectionId | big serial | | Not Null | | Foreign Key |
| persons | integer | | Not Null | 1 | |
| isAssigned | boolean | | Not Null | FALSE | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 23 : Customer Review

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| customerId | big serial | | Not Null | | Foreign Key |
| foodRating | decimal(10,2) | | Not Null | 0 | |
| serviceRating | decimal(10,2) | | Not Null | 0 | |
| ambienceRating | decimal(10,2) | | Not Null | 0 | |
| averageRating | decimal(10,2) | | Not Null | 0 | |
| review | varchar | 100 | | | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 24 : KOT

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| status | boolean | | Not Null | FALSE | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 25 : Book Table

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| customerId | big serial | | Not Null | | Foreign Key |
| persons | integer | | Not Null | 1 | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 26 : Payments

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| customerId | big serial | | Not Null | | Foreign Key |
| method | big serial | | Not Null | | Foreign Key |
| status | big serial | | Not Null | | Foreign Key |
| paymentDate | timestamp | | Not Null | | |
| amount | decimal(10,2) | | Not Null | | |

## Table 27 : Payment Status

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | | |

## Table 28 : Favorite Item

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |
| customerId | big serial | | Not Null | | Foreign Key |
| isFavorite | boolean | | Not Null | FALSE | |

## Table 29 : Invoice

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| orderId | big serial | | Not Null | | Foreign Key |

## Table 30 : Tax Mapping

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| invoiceId | big serial | | Not Null | | Foreign Key |
| taxName | varchar | 50 | Not Null | | |
| taxValue | decimal(10,2) | | Not Null | | |

## Table 31 : Table Status

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | Available | |

## Table 32 : Order Status

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | In Progress | |

## Table 33 : Payment Method

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| name | varchar | 50 | Not Null | Pending | |

## Table 34 : Reset Password Token

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| email | varchar | 100 | Not Null | | |
| token | varchar | 100 | Not Null | | |
| isUsed | boolean | | Not Null | FALSE | |
| expiryTime | timestamp | | Not Null | current_timestamp+24 | |

## Table 35 : Modifier Group Item Map

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| modifierGroupId | big serial | | Not Null | | Foreign Key |
| modifierItemId | big serial | | Not Null | | Foreign Key |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |

## Table 36 : Item Modifier Group

| Field | Data Type | Size | Null | Default | Key |
|---|---|---|---|---|---|
| id | big serial | | Not Null | | Primary Key |
| itemId | big serial | | Not Null | | Foreign Key |
| modifierGroupId | big serial | | Not Null | | Foreign Key |
| min_allowed | integer | | Not Null | 0 | |
| max_allowed | integer | | Not Null | 0 | |
| createdAt | timestamp | | Not Null | current_timestamp | |
| updatedAt | timestamp | | | | |
| createdBy | big serial | | Not Null | | Foreign Key |
| updatedBy | big serial | | | | Foreign Key |
| isDeleted | boolean | | Not Null | FALSE | |