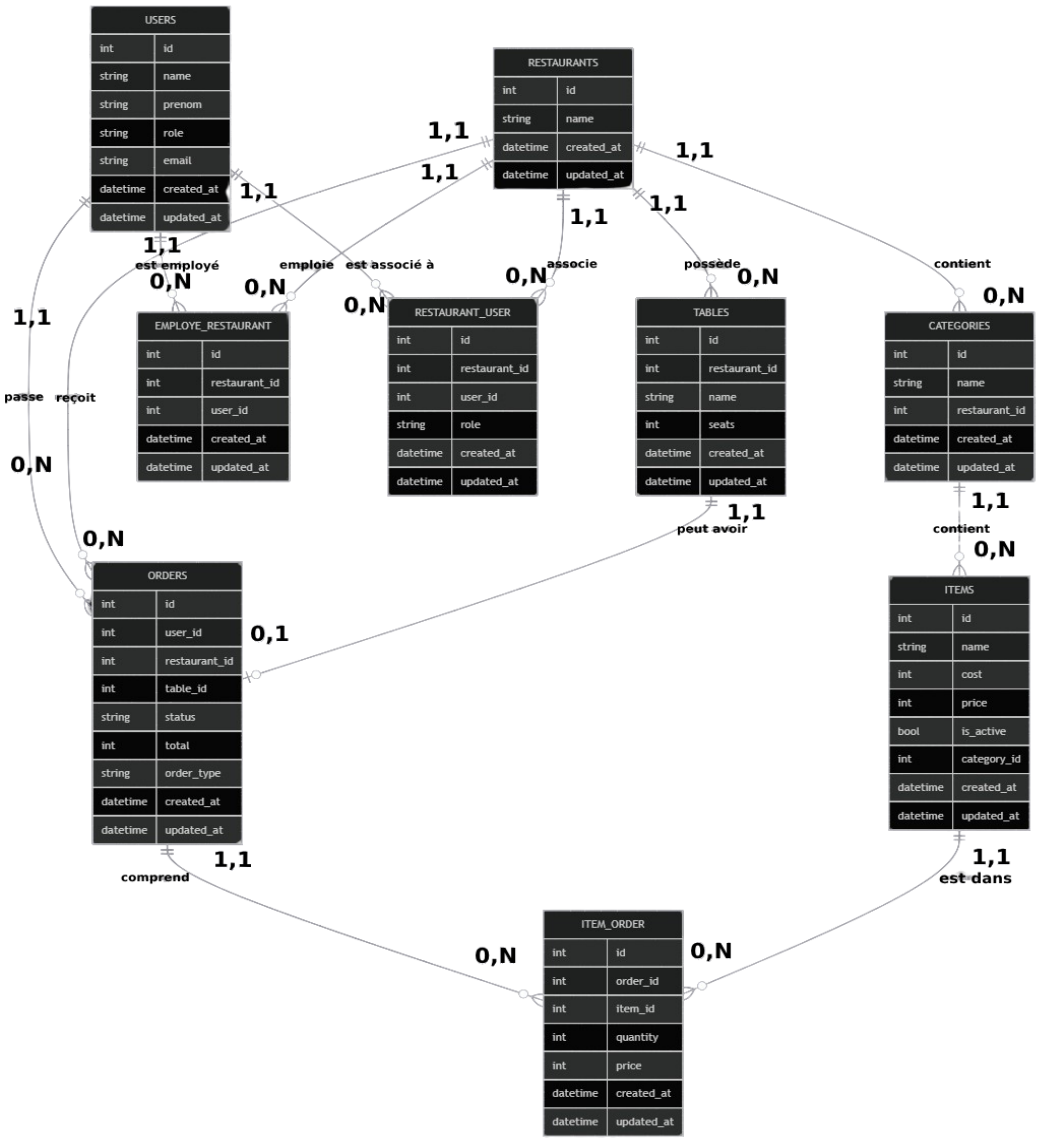
Clickn’Eat

1. Dictionnaire de données

Code mnémonique	Explication (Désignation)	Type	Taille
key	Clé unique utilisée pour identifier une donnée	varchar	255
value	Valeur ou contenu associé à la clé	mediumtext	—
expiration	Date d’expiration exprimée en timestamp Unix	int	11
owner	Propriétaire ou utilisateur auquel la donnée appartient	varchar	255
id	Identifiant unique principal (clé primaire)	bigint	20 UNSIGNED
name	Nom ou titre de l’élément	varchar	255
created_at	Date et heure de création de l’enregistrement	timestamp	—
updated_at	Date et heure de la dernière mise à jour	timestamp	—
user_id	Identifiant de l’utilisateur associé à l’enregistrement	bigint	20 UNSIGNED
uuid	Identifiant universel unique (souvent généré aléatoirement)	varchar	255
connection	Informations sur la connexion (souvent stockées en texte)	text	—
queue	File d’attente (texte décrivant la queue dans un système)	text	—
payload	Données supplémentaires ou charge utile (ex : message complet)	longtext	—
exception	Description d’erreur ou exception survenue	longtext	—
failed_at	Date et heure d’échec (ex : pour une tâche ou opération)	timestamp	—
cost	Coût associé à un élément ou une opération	int	11
price	Prix ou valeur monétaire	int	11
is_active	Indicateur d’activation (0 = inactif, 1 = actif)	tinyint	1
quantity	Quantité (nombre d’unités)	int	11
attempts	Nombre de tentatives effectuées	tinyint	3 UNSIGNED
reserved_at	Timestamp indiquant quand la ressource a été réservée	int	10 UNSIGNED
available_at	Timestamp indiquant quand la ressource est disponible	int	10 UNSIGNED

batch	Numéro ou identifiant de lot (traitement groupé)	int	11
status	Statut ou état actuel (ex : en attente, terminé, échoué)	varchar	255
total	Total (ex : somme totale)	int	11
order_type	Type de commande ou catégorie	varchar	255
token	Jeton d'authentification ou de session	varchar	255
restaurateur_id	Identifiant du restaurateur associé	bigint	20 unsigned
employe_id	Identifiant de l'employé associé	bigint	20 unsigned

2. Le modèle conceptuel de données (MCD)



3. Le modèle logique de données (MLD)

Légende :

x : Relation

x! : Clef primaire

x# : Clef étrangère

cache (key!, value, expiration)

cache_locks (key!, owner, expiration)

categories (id!, name, restaurant_id#)

employe_restaurant (id!, restaurant_id#, user_id#, created_at, updated_at)

failed_jobs (id!, uuid, connection, queue, payload, exception, failed_at)

items (id!, name, cost, price, is_active, category_id#, created_at, updated_at)

item_order (id!, order_id#, item_id#, quantity, price, created_at, updated_at)

jobs (id!, queue, payload, attempts, reserved_at, available_at, created_at)

job_batches (id!, name, total_jobs, pending_jobs, failed_jobs, failed_job_ids, options, cancelled_at, created_at, finished_at)

migrations (id!, migration, batch)

orders (id!, user_id#, restaurant_id#, table_id, status, total, created_at, updated_at, order_type)

password_reset_tokens (email!, token, created_at)

restaurants (id!, name, created_at, updated_at, restaurateur_id#, employe_id#)

restaurant_user (id!, user_id#, restaurant_id#, created_at, updated_at)

sessions (id!, user_id#, ip_address, user_agent, payload, last_activity)

tables (id!, restaurant_id#, name, seats, created_at, updated_at)

users (id!, name, prenom, role, email!, email_verified_at, password, remember_token, created_at, updated_at)

```
CREATE DATABASE IF NOT EXISTS clickneat;

USE clickneat;
```

```
CREATE TABLE `cache` (
  `key` varchar(255) NOT NULL,
  `value` mediumtext NOT NULL,
  `expiration` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `cache_locks` (
  `key` varchar(255) NOT NULL,
  `owner` varchar(255) NOT NULL,
  `expiration` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `categories` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `name` varchar(255) NOT NULL,
  `restaurant_id` bigint(20) UNSIGNED NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `employe_restaurant` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `restaurant_id` bigint(20) UNSIGNED NOT NULL,
  `user_id` bigint(20) UNSIGNED NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

```
CREATE TABLE `failed_jobs` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `uuid` varchar(255) NOT NULL,
  `connection` text NOT NULL,
  `queue` text NOT NULL,
  `payload` longtext NOT NULL,
  `exception` longtext NOT NULL,
  `failed_at` timestamp NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `items` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `name` varchar(255) NOT NULL,
  `cost` int(11) DEFAULT NULL,
  `price` int(11) NOT NULL,
  `is_active` tinyint(1) NOT NULL DEFAULT 1,
  `category_id` bigint(20) UNSIGNED NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `item_order` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `order_id` bigint(20) UNSIGNED NOT NULL,
  `item_id` bigint(20) UNSIGNED NOT NULL,
  `quantity` int(11) NOT NULL DEFAULT 1,
  `price` int(11) NOT NULL DEFAULT 0,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

```
CREATE TABLE `jobs` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `queue` varchar(255) NOT NULL,
  `payload` longtext NOT NULL,
  `attempts` tinyint(3) UNSIGNED NOT NULL,
  `reserved_at` int(10) UNSIGNED DEFAULT NULL,
  `available_at` int(10) UNSIGNED NOT NULL,
  `created_at` int(10) UNSIGNED NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `job_batches` (
  `id` varchar(255) NOT NULL,
  `name` varchar(255) NOT NULL,
  `total_jobs` int(11) NOT NULL,
  `pending_jobs` int(11) NOT NULL,
  `failed_jobs` int(11) NOT NULL,
  `failed_job_ids` longtext NOT NULL,
  `options` mediumtext DEFAULT NULL,
  `cancelled_at` int(11) DEFAULT NULL,
  `created_at` int(11) NOT NULL,
  `finished_at` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `migrations` (
  `id` int(10) UNSIGNED NOT NULL,
  `migration` varchar(255) NOT NULL,
  `batch` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

```
CREATE TABLE `orders` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `user_id` bigint(20) UNSIGNED NOT NULL,
  `restaurant_id` bigint(20) UNSIGNED NOT NULL,
  `table_id` bigint(20) UNSIGNED DEFAULT NULL,
  `status` varchar(255) NOT NULL DEFAULT 'en attente',
  `total` int(11) NOT NULL DEFAULT 0,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL,
  `order_type` varchar(255) NOT NULL DEFAULT 'sur_place'
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `password_reset_tokens` (
  `email` varchar(255) NOT NULL,
  `token` varchar(255) NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `restaurants` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `name` varchar(255) NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL,
  `restaurateur_id` bigint(20) UNSIGNED DEFAULT NULL,
  `employe_id` bigint(20) UNSIGNED DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

```
CREATE TABLE `restaurant_user` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `restaurant_id` bigint(20) UNSIGNED NOT NULL,
  `user_id` bigint(20) UNSIGNED NOT NULL,
  `role` varchar(255) DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `sessions` (
  `id` varchar(255) NOT NULL,
  `user_id` bigint(20) UNSIGNED DEFAULT NULL,
  `ip_address` varchar(45) DEFAULT NULL,
  `user_agent` text DEFAULT NULL,
  `payload` longtext NOT NULL,
  `last_activity` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

CREATE TABLE `tables` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `restaurant_id` bigint(20) UNSIGNED NOT NULL,
  `name` varchar(255) NOT NULL,
  `seats` int(11) NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
CREATE TABLE `users` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `name` varchar(255) NOT NULL,
  `prenom` varchar(255) DEFAULT NULL,
  `role` varchar(255) NOT NULL DEFAULT 'client',
  `email` varchar(255) NOT NULL,
  `email_verified_at` timestamp NULL DEFAULT NULL,
  `password` varchar(255) NOT NULL,
  `remember_token` varchar(100) DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

-- Index pour la table `cache`
ALTER TABLE `cache`
  ADD PRIMARY KEY (`key`);

-- Index pour la table `cache_locks`
ALTER TABLE `cache_locks`
  ADD PRIMARY KEY (`key`);

-- Index pour la table `categories`
ALTER TABLE `categories`
  ADD PRIMARY KEY (`id`),
  ADD KEY `categories_restaurant_id_foreign` (`restaurant_id`);

-- Index pour la table `employe_restaurant`
ALTER TABLE `employe_restaurant`
  ADD PRIMARY KEY (`id`),
  ADD KEY `fk_employe_restaurant_restaurant` (`restaurant_id`),
  ADD KEY `fk_employe_restaurant_user` (`user_id`);
```

```
-- Index pour la table `failed_jobs`
ALTER TABLE `failed_jobs`
  ADD PRIMARY KEY (`id`),
  ADD UNIQUE KEY `failed_jobs_uuid_unique` (`uuid`);

-- Index pour la table `items`
ALTER TABLE `items`
  ADD PRIMARY KEY (`id`),
  ADD KEY `items_category_id_foreign` (`category_id`);

-- Index pour la table `item_order`
ALTER TABLE `item_order`
  ADD PRIMARY KEY (`id`),
  ADD KEY `item_order_order_id_foreign` (`order_id`),
  ADD KEY `item_order_item_id_foreign` (`item_id`);

-- Index pour la table `jobs`
ALTER TABLE `jobs`
  ADD PRIMARY KEY (`id`),
  ADD KEY `jobs_queue_index` (`queue`);

-- Index pour la table `job_batches`
ALTER TABLE `job_batches`
  ADD PRIMARY KEY (`id`);

-- Index pour la table `migrations`
ALTER TABLE `migrations`
  ADD PRIMARY KEY (`id`);
```

```
-- Index pour la table `orders`
ALTER TABLE `orders`
 ADD PRIMARY KEY (`id`),
 ADD KEY `orders_user_id_foreign` (`user_id`),
 ADD KEY `orders_restaurant_id_foreign` (`restaurant_id`);

-- Index pour la table `password_reset_tokens`
ALTER TABLE `password_reset_tokens`
 ADD PRIMARY KEY (`email`);

-- Index pour la table `restaurants`
ALTER TABLE `restaurants`
 ADD PRIMARY KEY (`id`),
 ADD KEY `restaurants_restaurateur_id_foreign` (`restaurateur_id`),
 ADD KEY `restaurants_employe_id_foreign` (`employe_id`);

-- Index pour la table `restaurant_user`
ALTER TABLE `restaurant_user`
 ADD PRIMARY KEY (`id`),
 ADD KEY `fk_restaurant_user_restaurant` (`restaurant_id`),
 ADD KEY `fk_restaurant_user_user` (`user_id`);

-- Index pour la table `sessions`
ALTER TABLE `sessions`
 ADD PRIMARY KEY (`id`),
 ADD KEY `sessions_user_id_index` (`user_id`),
 ADD KEY `sessions_last_activity_index` (`last_activity`);
```

```
-- Index pour la table `tables`
ALTER TABLE `tables`
 ADD PRIMARY KEY (`id`),
 ADD KEY `restaurant_id` (`restaurant_id`);

-- Index pour la table `users`
ALTER TABLE `users`
 ADD PRIMARY KEY (`id`),
 ADD UNIQUE KEY `users_email_unique` (`email`);

-- AUTO_INCREMENT pour les tables déchargées

-- AUTO_INCREMENT pour la table `categories`
ALTER TABLE `categories`
 MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;

-- AUTO_INCREMENT pour la table `employe_restaurant`
ALTER TABLE `employe_restaurant`
 MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;

-- AUTO_INCREMENT pour la table `failed_jobs`
ALTER TABLE `failed_jobs`
 MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT;

-- AUTO_INCREMENT pour la table `items`
ALTER TABLE `items`
 MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;

-- AUTO_INCREMENT pour la table `item_order`
ALTER TABLE `item_order`
 MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;
```

```
-- AUTO_INCREMENT pour la table `jobs`
ALTER TABLE `jobs`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT;

-- AUTO_INCREMENT pour la table `migrations`
ALTER TABLE `migrations`
  MODIFY `id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;

-- AUTO_INCREMENT pour la table `orders`
ALTER TABLE `orders`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=18;

-- AUTO_INCREMENT pour la table `restaurants`
ALTER TABLE `restaurants`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;

-- AUTO_INCREMENT pour la table `restaurant_user`
ALTER TABLE `restaurant_user`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;

-- AUTO_INCREMENT pour la table `tables`
ALTER TABLE `tables`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;

-- AUTO_INCREMENT pour la table `users`
ALTER TABLE `users`
  MODIFY `id` bigint(20) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

-- Contraintes pour les tables déchargées
```

```
-- Contraintes pour la table `categories`

ALTER TABLE `categories`

 ADD CONSTRAINT `categories_restaurant_id_foreign` FOREIGN KEY (`restaurant_id`) REFERENCES `restaurants` (`id`) ON DELETE CASCADE;


-- Contraintes pour la table `employe_restaurant`

ALTER TABLE `employe_restaurant`

 ADD CONSTRAINT `fk_employe_restaurant_restaurant` FOREIGN KEY (`restaurant_id`) REFERENCES `restaurants` (`id`) ON DELETE CASCADE,

 ADD CONSTRAINT `fk_employe_restaurant_user` FOREIGN KEY (`user_id`) REFERENCES `users` (`id`) ON DELETE CASCADE;


-- Contraintes pour la table `items`

ALTER TABLE `items`

 ADD CONSTRAINT `items_category_id_foreign` FOREIGN KEY (`category_id`) REFERENCES `categories` (`id`) ON DELETE CASCADE;


-- Contraintes pour la table `item_order`

ALTER TABLE `item_order`

 ADD CONSTRAINT `item_order_item_id_foreign` FOREIGN KEY (`item_id`) REFERENCES `items` (`id`) ON DELETE CASCADE,

 ADD CONSTRAINT `item_order_order_id_foreign` FOREIGN KEY (`order_id`) REFERENCES `orders` (`id`) ON DELETE CASCADE;


-- Contraintes pour la table `orders`

ALTER TABLE `orders`

 ADD CONSTRAINT `orders_restaurant_id_foreign` FOREIGN KEY (`restaurant_id`) REFERENCES `restaurants` (`id`) ON DELETE CASCADE,

 ADD CONSTRAINT `orders_user_id_foreign` FOREIGN KEY (`user_id`) REFERENCES `users` (`id`) ON DELETE CASCADE;
```

```
-- Contraintes pour la table `restaurants`

ALTER TABLE `restaurants`

  ADD CONSTRAINT `restaurants_employe_id_foreign` FOREIGN KEY (`employe_id`) REFERENCES `users` (`id`) ON DELETE SET NULL,

  ADD CONSTRAINT `restaurants_restaurateur_id_foreign` FOREIGN KEY (`restaurateur_id`) REFERENCES `users` (`id`) ON DELETE SET NULL;


-- Contraintes pour la table `restaurant_user`

ALTER TABLE `restaurant_user`

  ADD CONSTRAINT `fk_restaurant_user_restaurant` FOREIGN KEY (`restaurant_id`) REFERENCES `restaurants` (`id`) ON DELETE CASCADE,

  ADD CONSTRAINT `fk_restaurant_user_user` FOREIGN KEY (`user_id`) REFERENCES `users` (`id`) ON DELETE CASCADE;


-- Contraintes pour la table `tables`

ALTER TABLE `tables`

  ADD CONSTRAINT `tables_restaurant_id_foreign` FOREIGN KEY (`restaurant_id`) REFERENCES `restaurants` (`id`) ON DELETE CASCADE;

COMMIT;
```

4. Le modèle physique de données (MPD)