**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)**

**Une image contenant texte, diagramme, Parallèle

Le contenu généré par l’IA peut être incorrect.**

**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)**

Une image contenant cellule solaire

Le contenu généré par l’IA peut être incorrect.