

| users |            |              |
|-------|------------|--------------|
| PK    | id         | int          |
| U     | email      | varchar(255) |
|       | first_name | varchar(50)  |
|       | last_name  | varchar(50)  |
|       | password   | varchar(512) |
|       | created_at | datetime     |
|       | updated_at | datetime     |

| subscriptions |                     |          |
|---------------|---------------------|----------|
| PK, FK        | user_id             | int      |
|               | subscription_status | ENUM     |
|               | start_date          | datetime |
|               | end_date            | datetime |
|               | trial_expired       | boolean  |

| recipes |                  |              |
|---------|------------------|--------------|
| PK      | id               | int          |
|         | name             | varchar(50)  |
|         | description      | varchar(512) |
|         | image            | varchar(512) |
|         | created_at       | datetime     |
|         | updated_at       | datetime     |
|         | [average_rating] | decimal(3,2) |

| ingredients |             |              |
|-------------|-------------|--------------|
| PK          | id          | int          |
|             | name        | varchar(50)  |
|             | description | varchar(512) |
|             | created_at  | datetime     |
|             | updated_at  | datetime     |

| ratings |            |          |
|---------|------------|----------|
| PK      | id         | int      |
| FK      | user_id    | int      |
| FK      | recipe_id  | int      |
|         | rate       | tinyint  |
|         | created_at | datetime |

| comments |            |              |
|----------|------------|--------------|
| PK       | id         | int          |
| FK       | user_id    | int          |
| FK       | recipe_id  | int          |
|          | comment    | varchar(512) |
|          | created_at | datetime     |

| admins |            |             |
|--------|------------|-------------|
| PK     | id         | int         |
|        | first_name | varchar(50) |
|        | last_name  | varchar(50) |
|        | username   | varchar(50) |
|        | created_at | datetime    |
|        | updated_at | datetime    |

## Admin Audit Tables

| audit_admin_recipes |            |          |
|---------------------|------------|----------|
| PK                  | id         | int      |
| FK                  | admin_id   | int      |
| FK                  | recipe_id  | int      |
|                     | action     | ENUM     |
|                     | created_at | datetime |

| audit_admin_ingredients |               |          |
|-------------------------|---------------|----------|
| PK                      | id            | int      |
| FK                      | admin_id      | int      |
| FK                      | ingredient_id | int      |
|                         | action        | ENUM     |
|                         | created_at    | datetime |

| audit_admin_comments |            |              |
|----------------------|------------|--------------|
| PK                   | id         | int          |
| FK                   | admin_id   | int          |
| FK                   | recipe_id  | int          |
| FK                   | user_id    | int          |
|                      | action     | ENUM         |
|                      | comment    | varchar(512) |
|                      | created_at | datetime     |

## Enum

| subscription_status |           |
|---------------------|-----------|
| varchar             | free      |
| varchar             | monthly   |
| varchar             | half_year |
| varchar             | annual    |

| comments_action |         |
|-----------------|---------|
| varchar         | delete  |
| varchar         | restore |

| action  |        |
|---------|--------|
| varchar | add    |
| varchar | edit   |
| varchar | delete |