Database Draft

Contents

[Databases 2](#_Toc24757023)

[Tables 2](#_Toc24757024)

[Diagram 7](#_Toc24757025)

[Description 7](#_Toc24757026)

# Databases

+--------------------+

| Database |

+--------------------+

| frecipe\_recipes |

| frecipe\_stock |

| frecipe\_users |

+--------------------+

# Tables

mysql> use frecipe\_recipes

Database changed

mysql> show tables;

+---------------------------+

| Tables\_in\_frecipe\_recipes |

+---------------------------+

| fav\_recipes |

| main\_recipes |

+---------------------------+

2 rows in set (0.00 sec)

mysql> describe main\_recipes;

+---------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+--------------+------+-----+---------+-------+

| title | varchar(100) | YES | | NULL | |

| host\_url | varchar(300) | YES | | NULL | |

| ingredient\_1 | varchar(50) | YES | | NULL | |

| ingredient\_2 | varchar(50) | YES | | NULL | |

| ingredient\_3 | varchar(50) | YES | | NULL | |

| ingredient\_4 | varchar(50) | YES | | NULL | |

| ingredient\_5 | varchar(50) | YES | | NULL | |

| ingredient\_6 | varchar(50) | YES | | NULL | |

| ingredient\_7 | varchar(50) | YES | | NULL | |

| ingredient\_8 | varchar(50) | YES | | NULL | |

| ingredient\_9 | varchar(50) | YES | | NULL | |

| ingredient\_10 | varchar(50) | YES | | NULL | |

| ingredient\_11 | varchar(50) | YES | | NULL | |

| ingredient\_12 | varchar(50) | YES | | NULL | |

| ingredient\_13 | varchar(50) | YES | | NULL | |

| ingredient\_14 | varchar(50) | YES | | NULL | |

| ingredient\_15 | varchar(50) | YES | | NULL | |

| ingredient\_16 | varchar(50) | YES | | NULL | |

| ingredient\_17 | varchar(50) | YES | | NULL | |

| ingredient\_18 | varchar(50) | YES | | NULL | |

| ingredient\_19 | varchar(50) | YES | | NULL | |

| ingredient\_20 | varchar(50) | YES | | NULL | |

| ingredient\_21 | varchar(50) | YES | | NULL | |

| ingredient\_22 | varchar(50) | YES | | NULL | |

| ingredient\_23 | varchar(50) | YES | | NULL | |

| ingredient\_24 | varchar(50) | YES | | NULL | |

| ingredient\_25 | varchar(50) | YES | | NULL | |

| ingredient\_26 | varchar(50) | YES | | NULL | |

| ingredient\_27 | varchar(50) | YES | | NULL | |

| ingredient\_28 | varchar(50) | YES | | NULL | |

| ingredient\_29 | varchar(50) | YES | | NULL | |

+---------------+--------------+------+-----+---------+-------+

31 rows in set (0.00 sec)

mysql> describe fav\_recipes;

+---------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+--------------+------+-----+---------+-------+

| title | varchar(100) | YES | | NULL | |

| host\_url | varchar(300) | YES | | NULL | |

| ingredient\_1 | varchar(50) | YES | | NULL | |

| ingredient\_2 | varchar(50) | YES | | NULL | |

| ingredient\_3 | varchar(50) | YES | | NULL | |

| ingredient\_4 | varchar(50) | YES | | NULL | |

| ingredient\_5 | varchar(50) | YES | | NULL | |

| ingredient\_6 | varchar(50) | YES | | NULL | |

| ingredient\_7 | varchar(50) | YES | | NULL | |

| ingredient\_8 | varchar(50) | YES | | NULL | |

| ingredient\_9 | varchar(50) | YES | | NULL | |

| ingredient\_10 | varchar(50) | YES | | NULL | |

| ingredient\_11 | varchar(50) | YES | | NULL | |

| ingredient\_12 | varchar(50) | YES | | NULL | |

| ingredient\_13 | varchar(50) | YES | | NULL | |

| ingredient\_14 | varchar(50) | YES | | NULL | |

| ingredient\_15 | varchar(50) | YES | | NULL | |

| ingredient\_16 | varchar(50) | YES | | NULL | |

| ingredient\_17 | varchar(50) | YES | | NULL | |

| ingredient\_18 | varchar(50) | YES | | NULL | |

| ingredient\_19 | varchar(50) | YES | | NULL | |

| ingredient\_20 | varchar(50) | YES | | NULL | |

| ingredient\_21 | varchar(50) | YES | | NULL | |

| ingredient\_22 | varchar(50) | YES | | NULL | |

| ingredient\_23 | varchar(50) | YES | | NULL | |

| ingredient\_24 | varchar(50) | YES | | NULL | |

| ingredient\_25 | varchar(50) | YES | | NULL | |

| ingredient\_26 | varchar(50) | YES | | NULL | |

| ingredient\_27 | varchar(50) | YES | | NULL | |

| ingredient\_28 | varchar(50) | YES | | NULL | |

| ingredient\_29 | varchar(50) | YES | | NULL | |

+---------------+--------------+------+-----+---------+-------+

31 rows in set (0.00 sec)

mysql> use frecipe\_Stock

Database changed

mysql> show tables;

+-------------------------+

| Tables\_in\_frecipe\_stock |

+-------------------------+

| stocklist |

+-------------------------+

1 row in set (0.00 sec)

mysql> describe stocklist;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| ingredient\_1 | varchar(50) | YES | | NULL | |

| ingredient\_2 | varchar(50) | YES | | NULL | |

| ingredient\_3 | varchar(50) | YES | | NULL | |

| ingredient\_4 | varchar(50) | YES | | NULL | |

| ingredient\_5 | varchar(50) | YES | | NULL | |

| ingredient\_6 | varchar(50) | YES | | NULL | |

| ingredient\_7 | varchar(50) | YES | | NULL | |

| ingredient\_8 | varchar(50) | YES | | NULL | |

| ingredient\_9 | varchar(50) | YES | | NULL | |

| ingredient\_10 | varchar(50) | YES | | NULL | |

| ingredient\_11 | varchar(50) | YES | | NULL | |

| ingredient\_12 | varchar(50) | YES | | NULL | |

| ingredient\_13 | varchar(50) | YES | | NULL | |

| ingredient\_14 | varchar(50) | YES | | NULL | |

| ingredient\_15 | varchar(50) | YES | | NULL | |

| ingredient\_16 | varchar(50) | YES | | NULL | |

| ingredient\_17 | varchar(50) | YES | | NULL | |

| ingredient\_18 | varchar(50) | YES | | NULL | |

| ingredient\_19 | varchar(50) | YES | | NULL | |

| ingredient\_20 | varchar(50) | YES | | NULL | |

| ingredient\_21 | varchar(50) | YES | | NULL | |

| ingredient\_22 | varchar(50) | YES | | NULL | |

| ingredient\_23 | varchar(50) | YES | | NULL | |

| ingredient\_24 | varchar(50) | YES | | NULL | |

| ingredient\_25 | varchar(50) | YES | | NULL | |

| ingredient\_26 | varchar(50) | YES | | NULL | |

| ingredient\_27 | varchar(50) | YES | | NULL | |

| ingredient\_28 | varchar(50) | YES | | NULL | |

| ingredient\_29 | varchar(50) | YES | | NULL | |

| ingredient\_30 | varchar(50) | YES | | NULL | |

| ingredient\_31 | varchar(50) | YES | | NULL | |

| ingredient\_32 | varchar(50) | YES | | NULL | |

| ingredient\_33 | varchar(50) | YES | | NULL | |

| ingredient\_34 | varchar(50) | YES | | NULL | |

| ingredient\_35 | varchar(50) | YES | | NULL | |

| ingredient\_36 | varchar(50) | YES | | NULL | |

| ingredient\_37 | varchar(50) | YES | | NULL | |

| ingredient\_38 | varchar(50) | YES | | NULL | |

| ingredient\_39 | varchar(50) | YES | | NULL | |

| ingredient\_40 | varchar(50) | YES | | NULL | |

| ingredient\_41 | varchar(50) | YES | | NULL | |

| ingredient\_42 | varchar(50) | YES | | NULL | |

| ingredient\_43 | varchar(50) | YES | | NULL | |

| ingredient\_44 | varchar(50) | YES | | NULL | |

| ingredient\_45 | varchar(50) | YES | | NULL | |

| ingredient\_46 | varchar(50) | YES | | NULL | |

| ingredient\_47 | varchar(50) | YES | | NULL | |

| ingredient\_48 | varchar(50) | YES | | NULL | |

| ingredient\_49 | varchar(50) | YES | | NULL | |

| ingredient\_50 | varchar(50) | YES | | NULL | |

| ingredient\_51 | varchar(50) | YES | | NULL | |

| ingredient\_52 | varchar(50) | YES | | NULL | |

| ingredient\_53 | varchar(50) | YES | | NULL | |

| ingredient\_54 | varchar(50) | YES | | NULL | |

| ingredient\_55 | varchar(50) | YES | | NULL | |

| ingredient\_56 | varchar(50) | YES | | NULL | |

| ingredient\_57 | varchar(50) | YES | | NULL | |

| ingredient\_58 | varchar(50) | YES | | NULL | |

| ingredient\_59 | varchar(50) | YES | | NULL | |

| ingredient\_60 | varchar(50) | YES | | NULL | |

| ingredient\_61 | varchar(50) | YES | | NULL | |

| ingredient\_62 | varchar(50) | YES | | NULL | |

| ingredient\_63 | varchar(50) | YES | | NULL | |

| ingredient\_64 | varchar(50) | YES | | NULL | |

| ingredient\_65 | varchar(50) | YES | | NULL | |

| ingredient\_66 | varchar(50) | YES | | NULL | |

| ingredient\_67 | varchar(50) | YES | | NULL | |

| ingredient\_68 | varchar(50) | YES | | NULL | |

| ingredient\_69 | varchar(50) | YES | | NULL | |

| ingredient\_70 | varchar(50) | YES | | NULL | |

| ingredient\_71 | varchar(50) | YES | | NULL | |

| ingredient\_72 | varchar(50) | YES | | NULL | |

| ingredient\_73 | varchar(50) | YES | | NULL | |

| ingredient\_74 | varchar(50) | YES | | NULL | |

| ingredient\_75 | varchar(50) | YES | | NULL | |

| ingredient\_76 | varchar(50) | YES | | NULL | |

| ingredient\_77 | varchar(50) | YES | | NULL | |

| ingredient\_78 | varchar(50) | YES | | NULL | |

| ingredient\_79 | varchar(50) | YES | | NULL | |

| ingredient\_80 | varchar(50) | YES | | NULL | |

| ingredient\_81 | varchar(50) | YES | | NULL | |

| ingredient\_82 | varchar(50) | YES | | NULL | |

| ingredient\_83 | varchar(50) | YES | | NULL | |

| ingredient\_84 | varchar(50) | YES | | NULL | |

| ingredient\_85 | varchar(50) | YES | | NULL | |

| ingredient\_86 | varchar(50) | YES | | NULL | |

| ingredient\_87 | varchar(50) | YES | | NULL | |

| ingredient\_88 | varchar(50) | YES | | NULL | |

| ingredient\_89 | varchar(50) | YES | | NULL | |

| ingredient\_90 | varchar(50) | YES | | NULL | |

| ingredient\_91 | varchar(50) | YES | | NULL | |

| ingredient\_92 | varchar(50) | YES | | NULL | |

| ingredient\_93 | varchar(50) | YES | | NULL | |

| ingredient\_94 | varchar(50) | YES | | NULL | |

| ingredient\_95 | varchar(50) | YES | | NULL | |

| ingredient\_96 | varchar(50) | YES | | NULL | |

| ingredient\_97 | varchar(50) | YES | | NULL | |

| ingredient\_98 | varchar(50) | YES | | NULL | |

| ingredient\_99 | varchar(50) | YES | | NULL | |

| ingredient\_100 | varchar(50) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

100 rows in set (0.00 sec)

mysql> use frecipe\_users

Database changed

mysql> show tables;

+-------------------------+

| Tables\_in\_frecipe\_users |

+-------------------------+

| fb\_logon |

| frecipe\_logon |

| ig\_logon |

+-------------------------+

3 rows in set (0.00 sec)

mysql> describe fb\_logon;

+------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+-------+

| email | varchar(100) | YES | | NULL | |

| phone | varchar(12) | YES | | NULL | |

| fb\_user\_ID | varchar(20) | YES | | NULL | |

| fb\_name | varchar(50) | YES | | NULL | |

| frecipe\_ID | int(7) | YES | | NULL | |

+------------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> describe frecipe\_logon;

+------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+-------+

| email | varchar(100) | YES | | NULL | |

| phone | varchar(12) | YES | | NULL | |

| username | varchar(20) | YES | | NULL | |

| password | varchar(50) | YES | | NULL | |

| frecipe\_ID | int(7) | YES | | NULL | |

+------------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> describe ig\_logon;

+------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+-------+

| email | varchar(100) | YES | | NULL | |

| phone | varchar(12) | YES | | NULL | |

| ig\_user\_ID | varchar(20) | YES | | NULL | |

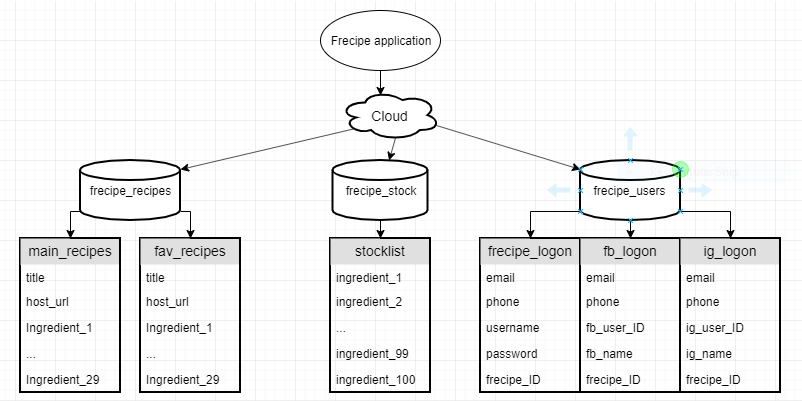
| ig\_name | varchar(50) | YES | | NULL | |

| frecipe\_ID | int(7) | YES | | NULL | |

+------------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

# Diagram



# Description

The application will access multiple separate database via cloud computing for different tasks.

User data is stored in ‘frecipe\_users’ which will be used for logon authentication and loading user data stored in other databases. The email has a maximum of 100 characters, the phone has a maximum of 12 characters, the username (or user\_ID) rows have a maximum of 20 characters, the password (or fb\_name/ig\_name) has a maximum of 50 characters and the frecipe ID has a range from 0 to 9999999. This is using the datatype INT where all other rows are using VARCHAR as it is not expected each entry will meet the maximum character limit.

Stock or inventory is stored in ‘frecipe\_stock’. This database stores each ingredient item in a separate row to be queried by and matched with other database tables. Each ingredient has a maximum of 50 characters and is using the datatype VARCHAR as it is not expected each entry will meet the maximum character limit.

Recipes are stored in ‘frecipe\_recipes’ including a main table of all recipes accessible via the app along with a favourites table for user saved recipes. Both the main and favourites tables are structured identically. The title has a maximum of 100 characters, the host URL has a maximum of 300 characters and each ingredient has a maximum of 50 characters, all using the datatype VARCHAR as it is not expected each entry will meet the maximum character limit.