# DDL

CREATE DATABASE recipe\_manager;

USE recipe\_manager;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

password VARCHAR(255) NOT NULL

);

CREATE TABLE recipes (

id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(100) NOT NULL,

ingredients TEXT NOT NULL,

instructions TEXT NOT NULL,

cuisine VARCHAR(50),

dietary\_preferences VARCHAR(50)

);

CREATE TABLE user\_favorites (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

recipe\_id INT,

FOREIGN KEY (user\_id) REFERENCES users(id),

FOREIGN KEY (recipe\_id) REFERENCES recipes(id)

);

# Functions

## User Management

* A user can be registered by giving a username and a password.
* The user can use the registered username and password to login and use the application.
* A user can add and remove recipes.

## Recipe Management

* Recipes added by the users are stored in the database.
* Can be filtered and searched through.
* Favourites are shown in a separate page.