Database Design

Requirements

* A category contains many recipes. A recipe belongs to one category. A category has a name and an ID.
* A recipe has a name, ID, category, user, photo, ingredients and instructions.
* A user can post many recipes. A recipe must be posted by one user.
* A user can save many recipes. A recipe can be saved by many users. A user has an ID, username, password, avatar, saved recipes and posted recipes.

ERD

A diagram of a diagram

Description automatically generated

Database Implementation

create table category ( category\_id int primary key not null auto\_increment, category\_name varchar(30));

create table user ( user\_id int primary key not null auto\_increment, password varchar(30), avatar varchar(100), username varchar(30));

create table recipe ( recipe\_id int primary key not null auto\_increment, recipe\_name varchar(50), photo varchar(100), ingredients varchar(2000), instructions varchar(3000), category\_id int, user\_id int, foreign key(category\_id) references category(category\_id), foreign key(user\_id) references user(user\_id));

create table user\_recipe( recipe\_id int, user\_id int, foreign key(recipe\_id) references recipe(recipe\_id), foreign key(user\_id) references user(user\_id));