Group D

Database Design

The database our group decided to use is SQLite. SQLite will be the main component to implement and communicate data for Android Studio. The framework was chosen because it is serverless as it is only based on the written code. Our app doesn’t necessarily need the databases to be online because the food data will already be stored locally. This is a conscious choice to be less extensive on our user’s phone batteries. Additionally, because SQLite is serverless, an advantage is that no configuration is needed, compared to Derby and MySQL. Lastly, the lightweight data-sized SQLite is cross-platform and consumes little resources, allowing for versatility.

The main components of our database include 4 tables: food, ingredients, recipes and account for social media.

The food table is connected to the recipes table with many to many relation through the ingredient table. The same association applies from recipes to ingredient.

All the tables will be contained in the account database, which has user name and password for each social media platform the user entered.