

Data Management Strategy:

I propose that we should use a SQL approach to manage data because when handling a large amount of information from stores and users SQL will provide an easy and organized way to manage data. I think that we should have three databases in this SQL to create a security to protect the user and the stores that are using our software. The three databases I suggest are User Accounts, Recipes, and Stores. They will all be connected as shown in the schema below.

*Bold are Primary Keys

*Underlines are Foreign Keys

User Accounts:

Name

Email

Username

Password

UserAddress

Stores:

StoreLocation

PriceofIngredients

Ingredients

Cuisine

UserAddress

Recipes:

Cuisine

MealType

Ratings

Ingredients

CostofRecipe

Pros:

- Large user community
- ACID properties
- Easy to use and organize

Cons:

- Hardware available
- Data Normalization

- Specifications of what the database's schema will look like
- Scaling is intensive