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Design: Database

For MMA Pro's database type the best choice was Relational Database Management System (RDBMS). The reason for this was the way the data is stored in tables and forms rather than a file. The application will be calling the information from a server rather than locally on the device. So this will make it easier to handle the data. The database can be normalized ,and will be able to handle large amounts of data that the application may use. RDBMS supports the need for server architecture and fetching data rapidly. WIth the application pulling so much this is a must. Since I am using RDBMS I will be using MySQL to help query my calls.

The exercise, workout, levels, body parts, and goals will all be connected. Recipe and categories will be connected. Blog posts and tags tables will be connected. A table to store user information will also be created which will store the users information and favorited items. The quotes will not need to connect to any other tables so it will be solo. All the different tables will have a unique identifier named ID.

User
- ID
- First Name
- Last Name
- Username
- Email
- Password
- FavRecipe
- FavWorkouts

Exercise
- ID
- IMG
- Title
- Body Parts
- Equipment
- Level
- Reps
- Rest
- Sets
- Instructions
- Tips
- VideoUrl

Body Parts
- ID
- IMG
- Title

Equipment
- ID
- IMG
- Title

Levels
- ID
- IMG
- Title

Workouts
- ID
- IMG
- Title
- Goal
- Level
- Duration
- Description
- Status
- Day
- Exercises

Goals
- ID
- IMG
- Title

Recipe
- ID
- IMG
- Title
- Description
- Category
- Calories
- Carbs
- Protien
- Fat
- ServingSize
- TotalCookTime
- Featured
- Status

Categories
- ID
- IMG
- Title

Quotes
- ID
- Title

BlogPost
- ID
- IMG
- Title
- Description
- Tag
- Featured
- Status

Tags
- ID
- IMG