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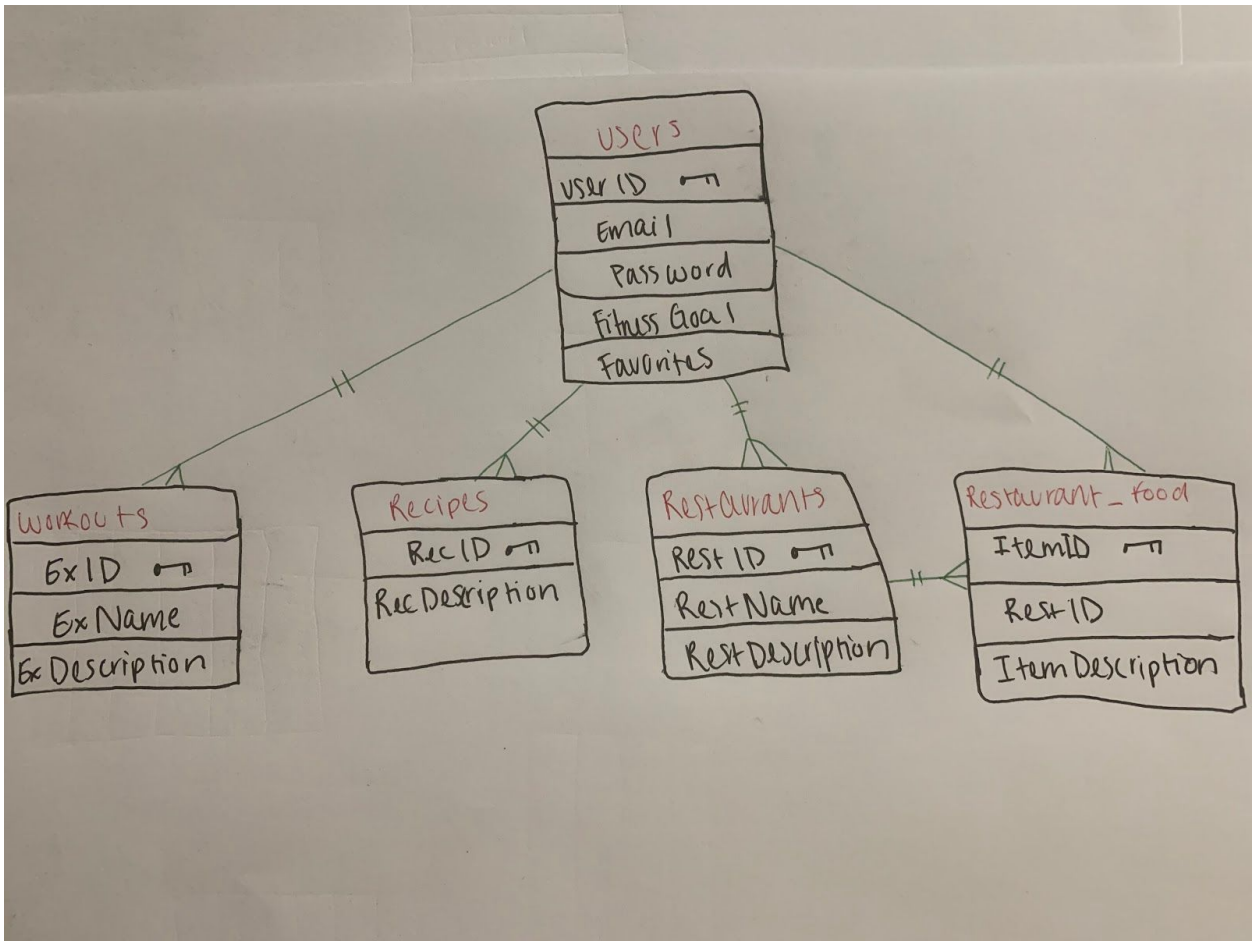
Design: Database

Overview

After expanding on my GoodEats application, I chose to persist my data in a Relational Database Store. When trying to decide on my database technology, I took into consideration the data that will be stored within my application, as it pertains to the relationships and the data that is required for my application to run. That being said, considering how the information will be displayed in my GoodEats application,I feel that it would be best to use a relational database store.

ER Diagram



When developing my ER Diagram I took into consideration all of the necessary columns, tables, and relationships that would be needed for my application. Below is an additional table explaining how each table presented in my ER Diagram fits into my application.

Table Name	Description
Workouts	When the user selects the “Workout” option in the menu, they will be taken to a screen showcasing the different types of Exercise options that they can choose from targeting the different parts of the body (i.e. lower body, upper body, abs). The user selects the Exercise Type (ExID), they will be directed to a page showcasing the different exercises that they can do to target the muscle group selected on the previous screen.This table represents the data being stored within that page.
Restaurants	When the user selects the “Restaurant” option in the menu, they will be taken to a screen showcasing the different Restaurants that they can choose from (i.e. McDonalds, Burger King, etc.) This table represents the data being stored within that page.
Recipes	When the user selects the “Recipes” option in the menu, they will be taken to a screen showcasing the different types of recipes available. This table represented the data being stored within that page.
User	One of the GoodEats web applications goals is to allow users to create an account to store their favorite recipes and create a fitness goal, to motivate them to continue on their fitness journey. This table represents the data stored within the user accounts.

Restaurant_Food	When the user selects a restaurant that they want to view, they will be directed to a page showing a menu of all the healthy options available for that particular restaurant. This table represents the data stored within that page.