**CAPSTONE TWO – PROJECT PROPOSAL**

**Just Real Food for Dogs and Cats**

**GOAL**

The goal of this project is to provide an eCommerce website for dog and cat lovers who want to feed their pets real, simple dry food and have it delivered to their doorstep. Buyers can choose which recipes they want to add to their order and how often they want it delivered.

**TARGETED USERS**

The target demographic is any dog or cat owner that wants to feed their pets whole, high quality food without synthetic vitamins and minerals.

**DATA**

The pet food data I plan to use will come from a pre-populated database that I’ll create since there isn’t an API for dog and cat food recipes. I will use Firebase or Auth0.com as an authentication API and stripe.com as a payment processing API. I may also use Brevo.com to send emails to customers when they sign up on the website.

**APPROACH**

The database will include a ‘customers’ table with customer data that is retrieved when a customer registers. The ‘customers’ table will have a many-to-many relationship with both the ‘dog food’ and ‘cat food’ tables as one customer can choose many foods and one food can have many customers. The ‘dog food’ and ‘cat food’ tables will be populated by a seed file and hold food data. Finally, there will be ‘customers\_dogfood’ and ‘customers\_catfood’ tables that connect the customer\_id to a dogfood\_id and a catfood\_id.

**POTENTIAL ISSUES WITH APIs**

* Not sure at this point

**SENSITIVE INFORMATION TO SECURE**

* User password
* API key
* Credit card information

**FUNCTIONALITY/USER FLOW**

* Register and login each customer
* Authenticate username and password
* Choose from different dog and cat food recipes, select the package size and quantity and add them to cart
* For each item added to cart, choose if this is a one-time purchase or an Autoship order
* When done shopping, click on the cart in the navbar.
* Adjust quantity or delete item and then click Update cart to apply changes
* Click on Calculate Shipping to add shipping charges to total
* Click a button to proceed to checkout
* Add billing details
* Select whether want to subscribe to emails
* Choose shipping option
* Add credit card details
* Place Order

**FEATURES MORE THAN CRUD**

Authentication, payment processing and sending emails to customers after they sign up on the website

**TECHSTACK**

Backend: node express

Frontend: react

Database: postgres