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**WEBD-2007**

**March 24th/2021**

# DESCRIPTION

I’m pleased to submit this proposal for ***Crockodile*** to help to achieve its goals of providing customers with a new and exciting e-commerce experience. The company is a startup established in 2019 with < 10 employees offering a unique spin on the emerging food prep industry. Their product consists of various vacuum sealed and freezable crock-pot/slow-cooker meals which can be de-thawed, removed from the packaging and placed in a crock-pot for meals ready in 4-12 hours with no intervention from start to finish.

In contrast to its competitors like Chefs Plate and Good Food, it eliminates the act of cooking which can often be up to 45mins, and reduces clean-up time, leading to more time spent doing the important things in life. Crocodiles’ target demographic is parents, students, and anyone who may be returning to the office in the coming months who doesn’t wants the remove the burden of cooking when they return home from work.

Currently the packages are sold at local markets and have had a great response, however the company wants to expand it’s reach through e-commerce and offer its product online. Ideally, they would like to follow the model of its competitors and offer subscription boxes that can be modified by quantity and consistency.

# DATABASE STRUCTURE

The following is detailed information about the database structure including description of the properties on each table. Additionally, there is an ERD included on the final page to visually represent the Crockodile database.

## Administrators

**Stores the information of administrator accounts**

* **PK:** ID (Integer) – Unique ID for the administrator
* Username (String) – Username of the administrator
* Password (String) – Password for the administrator

## Customers

**Stores the information customers details & linked to a user account (1 to 1) and orders (0 to many)**

* **PK:** ID (Integer) – Unique ID for the customer
* Full Name (String) – Full name of the customer
* Address (String) – Address of the customer
* Postal Code (String) – Postal code of the customer
* Phone Number (String) – Phone number of the customer
* Email (String) – Email of the customer

## Users

**Stores the user information of a customer & linked to that customer (1 to 1)**

* **PK:** ID (Integer) – Unique ID for the user
* **FK:** Customer ID (Integer) – Associates user with a customer
* Username (String) – Username used to log into account
* Password (String) – Password used to log into account

## Orders

**Stores the orders placed by the customers & linked to customers (0 or many to 1) and to Order Details (1 to many)**

* **PK:** ID (Integer) – Unique ID for the order
* **FK:** Customer ID (Integer) – Associates user with a customer
* Total (Float) – The total cost of the order
* Order Date (Date) – When the order was placed
* Order Status (Boolean) – If the order has been delivered

## Order Details (Joiner Table)

**Stores the details of the products that are associated with a customer’s order & linked to Products (many to 1) and to orders (many to 1)**

* **PK/FK:** Order Id – Links to the customer’s order
* **PK/FK:** Product Id – Links to the product ordered
* Quantity (Integer) – How much of the product is included on the order

## Products

**Stores the information about a specific product (Meals) & linked to Order Details (1 to many)**

* **PK:** ID (Integer) – Unique ID for the product
* **FK:** Category Id (Integer) – Links the product to a category
* Name (String) – The product name
* Price (Integer) – The price of the product
* Weight (Float) – How much the product weighs
* Description (Text) – A description of the product
* Stock (Integer) – The products current stock level
* Image (Blob) – An image of the product

## Categories

**Groups together products of the same type (Meat, Vegetarian, Vegan, etc.) & linked to Products (1 to many)**

* **PK:** ID (Integer) – Unique ID for the category
* Name (String) – The category name
* Description (Text) – A description of the category

# ENtity relationshop diagram

Graphical user interface

Description automatically generated