**Database Design for my Start up Idea**

Problem Statement: Identify a specific unmet need or demand in the market.

As an international student in the US migrating from Nigeria to the US has not been a smooth transition. Aside from the cultural difference there is always a nostalgic feeling about home. Food is often a key connection to culture and identity. Without access to these traditional foods, I sometimes feel a sense of cultural or emotional disconnect. There is also the struggle to access local meals, it is expensive to access the ingredients. Food is often a key connection to culture and identity. Without access to these traditional foods, I sometimes feel a sense of cultural or emotional disconnect.

Business Idea: TastyTreat

TastyTreat is a subscription-based service that delivers local dialect food and drinks from local producers to customers doorstep. This business provides a platform for different cultures and their specific meal to connect, they provide support to not just the chefs but local farmers and food lovers. TastyTreat delivers curated fresh meals, snacks, drinks providing authenticity, convenience and taste of tradition.

Business Solution: Explain how your business will address the problem

By delivering local dialect foods and drinks directly to customers’ doorsteps, TastyTreat eliminates the time and effort required to find or prepare such meals. The curated boxes and optional cultural stories help customers stay connected to their roots or discover the rich history behind the food they’re eating.

Key Processes: Briefly describe the key operations of your business (e.g., customer management, inventory tracking, service delivery)

* Customer onboarding: customers get to sign up through the website and there is also a mobile app available. After signing up they get to customize their order, they also put in their dietary restrictions and more importantly allergies
* Inventory Tracking: Building partnerships with local farmers, chefs, and food artisans is important for smooth operation.
* Marketing and Sales: Run targeted social media ads showcasing local delicacies and success stories from the local producers. Also collaborate with social media influencers, food bloggers and cultural ambassadors
* Financial Management: Monitor expenses, revenues, and profits to ensure sustainable growth. Offer multiple payment methods. Track costs for inventory, deliveries, marketing, and staff salaries.

Key Tables and Data:

**Entities and Attributes:**

Critical data entities and their relationships, along with examples for each.

1. **Customer**:

• **Attributes**:

• CustomerID (Primary Key): Unique identifier for each customer.

• Name: Full name of the customer.

• Email: Contact email.

• Address: Delivery address.

• Subscription\_ID: Subscribe to the website for any meal plan

2. **Subscription**:

• **Attributes**:

• SubscriptionID (Primary Key): Unique subscription identifier.

• CustomerID (Foreign Key): Links to Customer.

• PlanType: Type of subscription (e.g., Basic, Premium, Family).

• StartDate: Date when subscription begins.

• Price: Price of the subscription plan.

3. **Order**:

• **Attributes**:

• OrderID (Primary Key): Unique order identifier.

• CustomerID (Foreign Key): Links to Customer.

• TotalAmount: Total cost of the order.

• OrderStatus: Status of the order (e.g., Pending, Delivered).

• **Example**: Mary orders $49.99 worth of food, with the status “Processing”.

4. **Menu**:

• **Attributes**:

• MenuID (Primary Key): Unique menu item identifier.

• ChefID (Foreign Key): Links to Chef.

• Name: Name of the dish.

• Description: Description of the dish.

• Price: Price of the dish.

5. **Chef**:

• **Attributes**:

• ChefID (Primary Key): Unique chef identifier.

• Name: Name of the chef.

• Specialty: The type of cuisine the chef specializes in.

• Rating: Customer rating of the chef’s dishes.

6. **Payment**:

• **Attributes**:

• PaymentID (Primary Key): Unique payment identifier.

• CustomerID (Foreign Key): Links to Customer.

• OrderID (Foreign Key): Links to Order.

• Amount: Payment amount.

• PaymentDate: Date when payment was made.

7. Supplier:

• **Attributes**:

* SupplierID (Primary Key): Unique Payment Identifier
* Name: Name of supplier
* ChefID (Foreign Key): Links to chef table
* Location: Location of the supplier
* ContactInfo: Contact information of the supplier

8. Delivery:

Attributes:

* DeliveryID (Primary Key): Unique Delivery Identifier
* OrderID (Foreign key): Links to order table
* DeliveryDate: Date the delivery was made
* DeliveryStatus: Status of the delivery