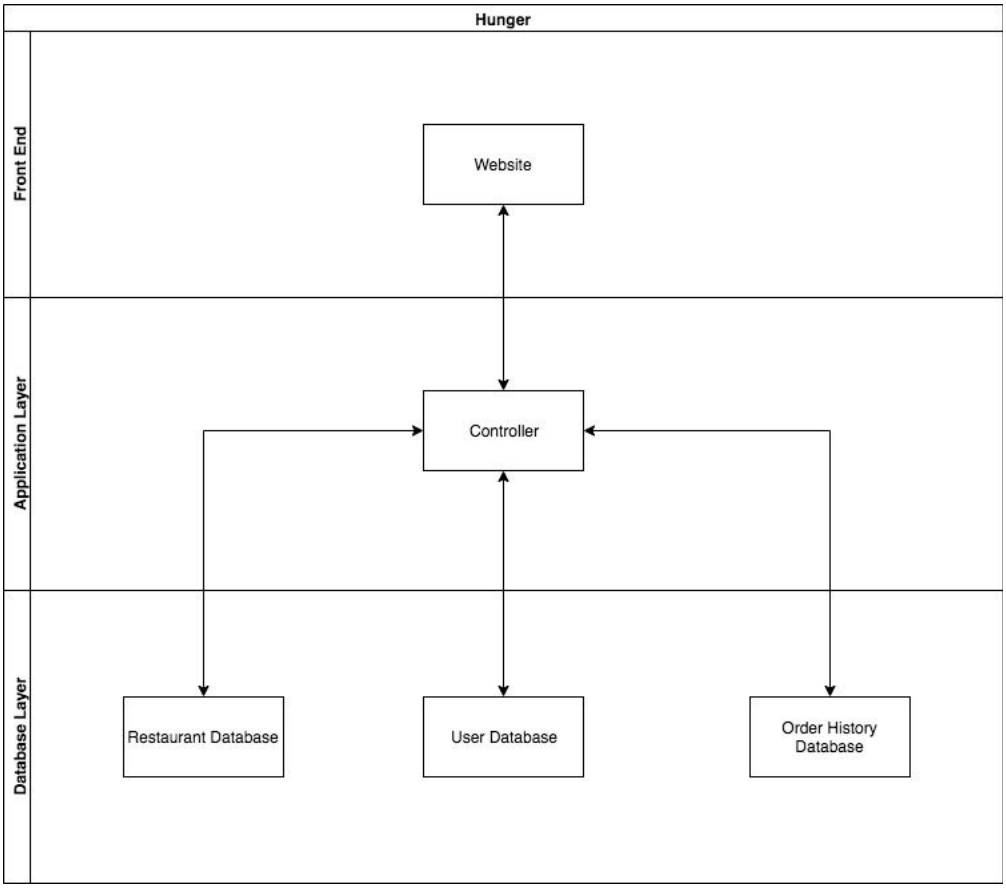
CSCI 3308 Project Milestone 4
Team Number: 205-3
Team Name: NULL
Team Members: Erik Pohle, Matthew Wu, Abdulaziz Alabdulrazzaq, Anand Zupa
Application Name: Hunger: NULL

Project Milestone 4

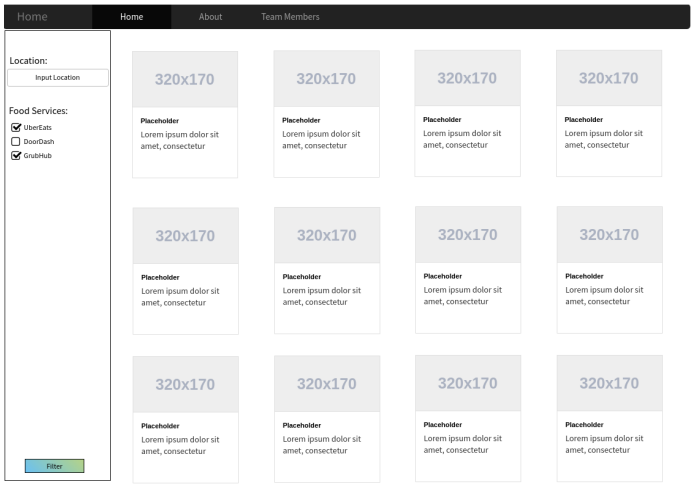
Revised List of Features:

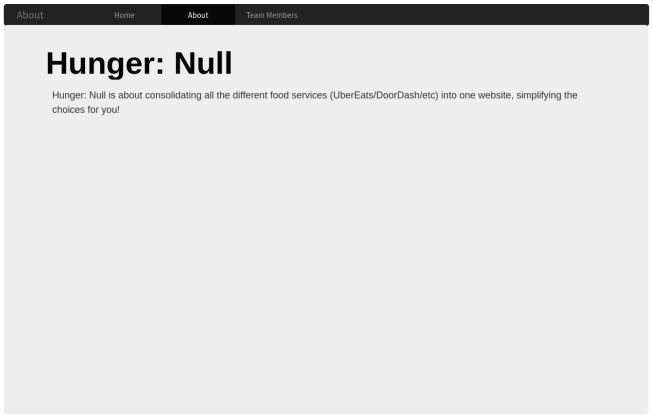
1. Find user location through IP/user input
    - Users can select a location for the food to be delivered too
2. Apply filters to search options
    - Users can view and filter food options from the available delivery services in a search function.
3. Create account
    - Users can create accounts to store their information for future purchases.
4. Add items to cart
    - User can create orders in our app
5. Checkout order
    - Users can execute orders from food delivery services though Hunger
6. View order history
    - Users can browse past purchases.

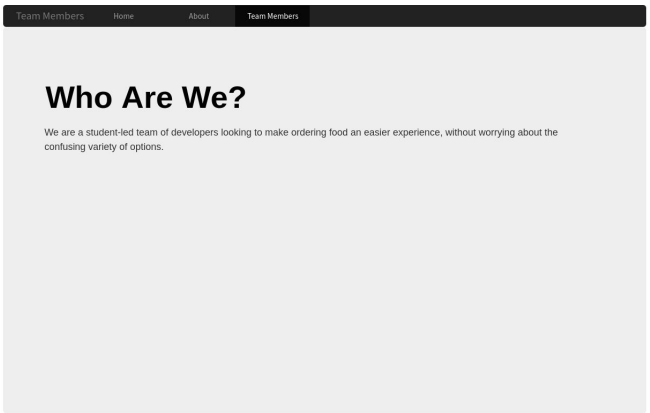
Architecture Design:



Front End Design:



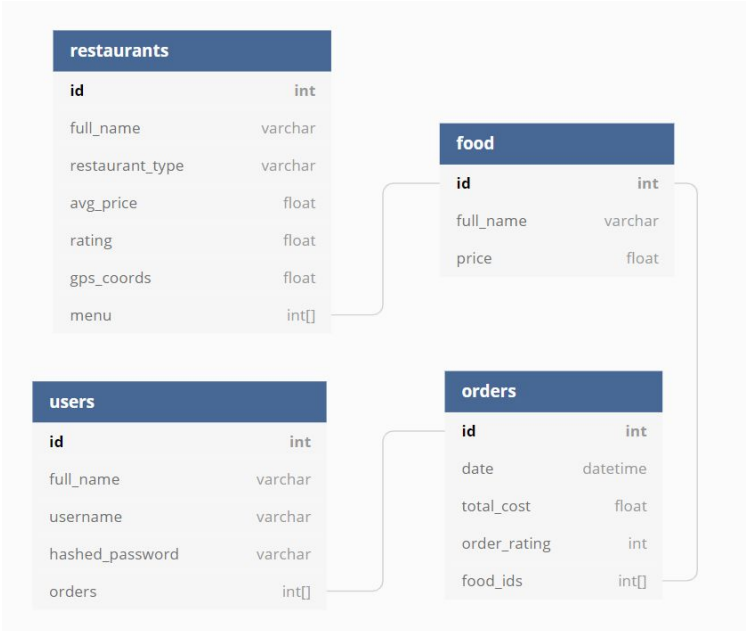




Web Service Design: N/A - No API's are in use

Database Design:

- Data Being Stored:
    - Restaurant Names (**Array of Restaurant Objects**)
        - Location of Restaurant: (**Float**)
        - Type of Food Served (**String**)
        - Average Price of Restaurant (**Float**)
        - Average Rating of Restaurant (**Float)**
        - Menu Items (**Array of Items**)
            - Price of Menu Items (**Float**)
    - User login information (**Array of Users**)
        - User order-history (**Array of Orders Placed by User**)
        - User ID (**Int**)
        - User password (**String -> Hashed**)
    - Order History (**Array of Order History for Specific User ID**)
        - Order ID (**Int**)
        - Order date (**Datetime**)
        - Items ordered (**Array of food items**)
        - Order cost (**Int**)
        - User order rating (out of 5) (**Int**)
- DBMS Technology:
    - PostgresSQL
- Entity Relationship Diagram:



Log-In Capabilities:

- Use a csrf token to authenticate/track users
- Authenticate website as HTTPS with a valid certificate
- Passing a hashed version of the password, so no one can intercept it
- This method of authentication was chosen since it was the simplest, easiest to understand/integrate, and because it made the most sense given the little amount of security needed for this project.