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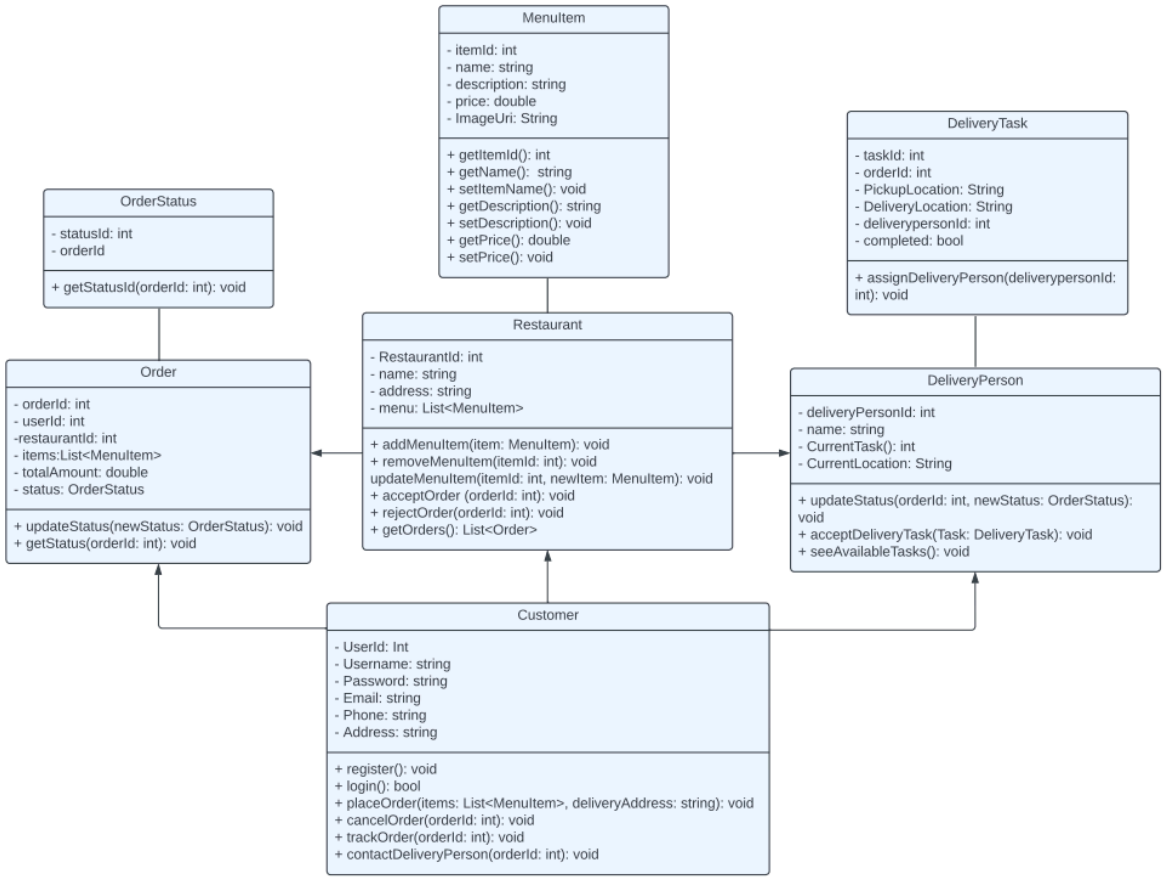
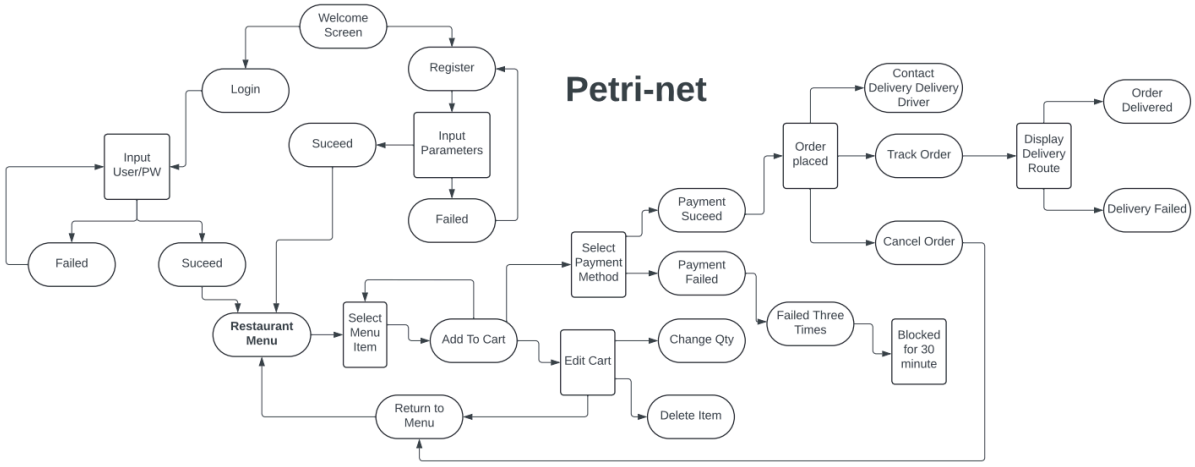
Report 2: Supereats

https://lucid.app/lucidchart/3389705d-572e-4f95-b21c-feaec2f950c1/edit?beaconFlowId=26AF7D6F3DEA764E&invitationId=inv_a56efa45-e746-473f-b71c-694029b7202c&page=0_0#

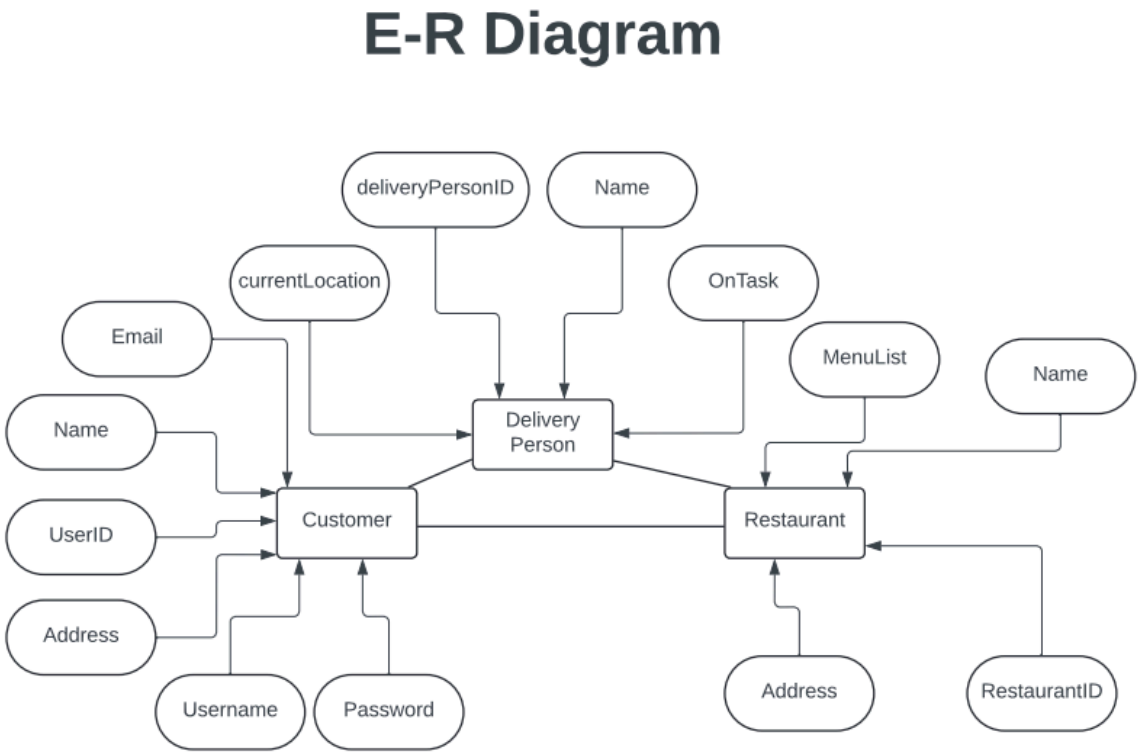
1. Introduction:



2. All use cases:



3. E-R diagram for the entire system:



4. Detailed design:

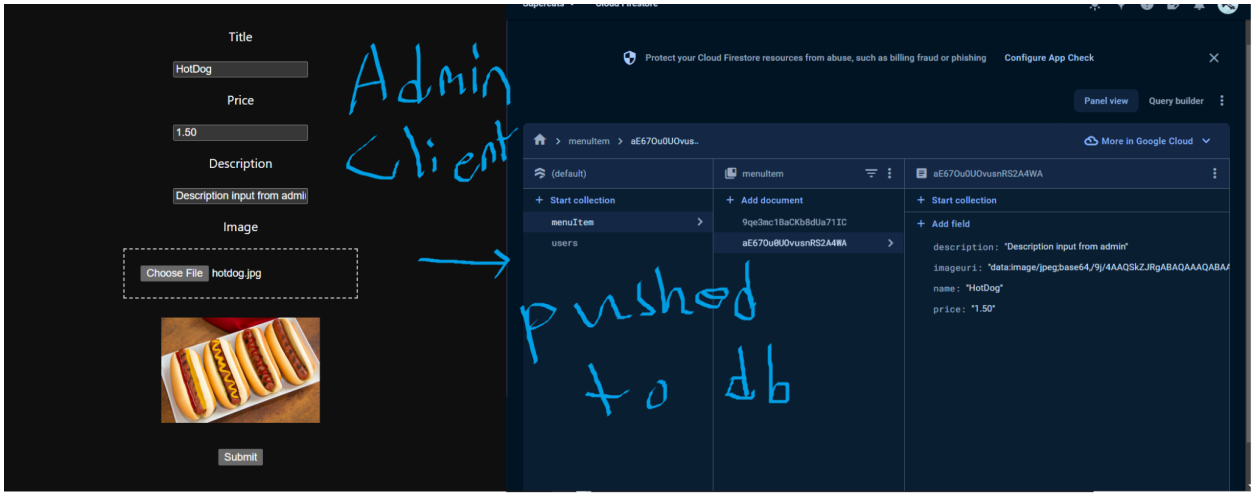
```
/*OrderStatus Class*/
int getStatusId(orderId){
```

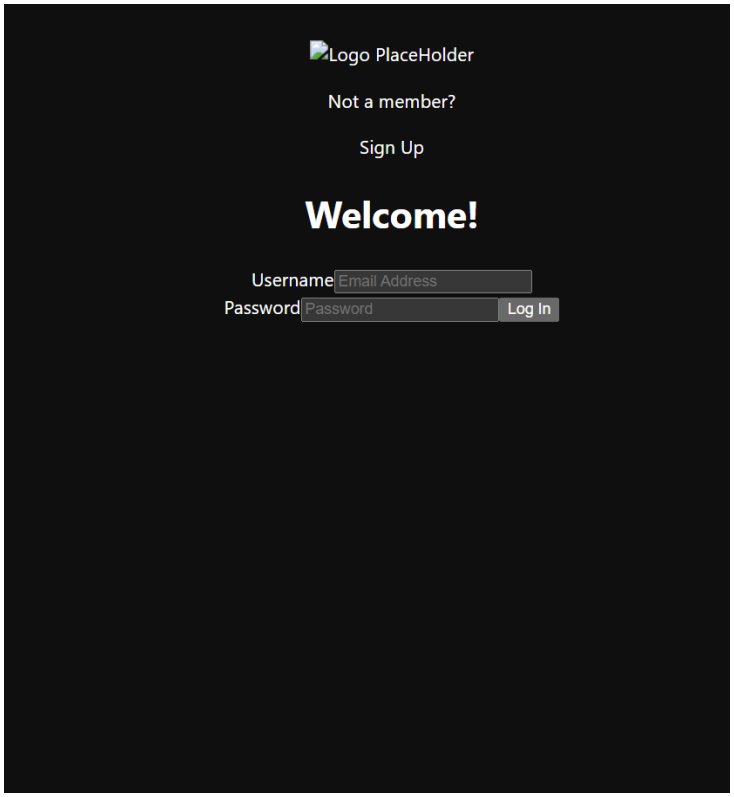
```
  return orderId.status.statusId
}

/*For Order Class that inherits OrderStatus*/
void updateStatus(orderStatus){
   this.orderStatus = !this.orderStatus;
}

void getStatus(){
   return this.Status;
}

/*Restaurant*/
+ acceptOrder (orderId: int): void
+ rejectOrder(orderId: int): void
+ getOrders(): List<Order>

void addMenuItem(MenuItem item){
   //item into List
   this.list.append(item);
}

void removeMenuItem(int itemId){
   for(int i = 0; i < list.size(); i++){
      if(list[i] == itemId){
         list.removeat(i);
      }
   }
}

void updateMenuItem(int itemId, MenuItem newItem){
   /*We will determine how to handle this after we have built the frontend.
   This function will serve to allow the Admin of the restaurant to edit and
   update the list of menuItems
   */
}

void acceptOrder(MenuItem<list> items){
   //orderId will be the last orderId + 1
   this.orders.append(items, orderId)
```

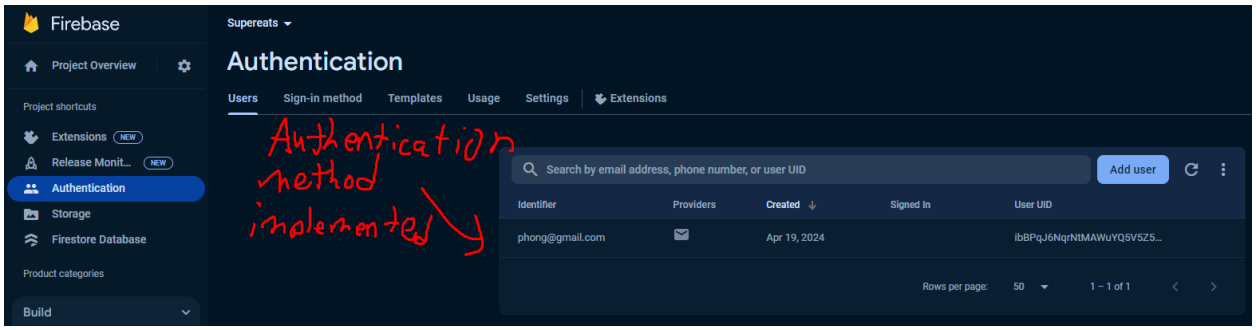
```
}

void rejectOrder(MenuItem<list> items){
   // will need to show the user there is an error and then throw away their order.
   console.log("Reject Order")
}

void getOrders(){
   for(int i = 0; i < list.size(); i++){
      console.log(list[i]+"\n");
   }
}

/*Delivery Task*/
void assignDeliveryPerson(deliveryPersonID deliveryPerson, int orderID){
   deliveryperson.currentTask = orderID;
}

/*DeliveryPerson*/
void updateStatus(int OrderID, orderStatus newStatus){
   /*
   Check for orderID and allow the deliveryPerson to update the status of the order.
   If they are unable to complete it, update as such.
   If they have completed the order, update as such.
   */
}

void acceptDeliveryTask(DeliveryTask Task){
   /*
   Change the status of the Task to accepted if the driver decides to take the task
   */
}

void seeAvailableTasks(DeliveryTask<list> Task){
   for(int i = 0; i < Task.size(); i++){
      console.log(Task[i]);
   }
}

/*Customer*/
```

```
void Register(){
   /*This will be handled on the frontend such that when the user registers
   their information will be pushed to the backend*/
}

void login(){
   /*Check backend with user information to see if their data
   validates*/
}

void placeOrder(List<MenuItem> List, String DeliveryAddress){
   1. Send order to restaurant
   2. Restaurant accepts
   3. Send to delivery driver
   4. Delivery driver delivers
   //Edge cases will break the sequence of events and display an error with their order
   //to the customer
}

void cancelOrder(int orderID){
   //sends data to the system telling to cancel the order
}

void trackOrder(int orderID){
   /*Handled by frontend logic*/
}

void ContactDeliveryPerson(int orderID){
   /*handled by frontend logic*/
}
```

5. System screens:


Title
HotDog
Price
1.50
Description
Description input from admi
Image
Choose File
hotdog.jpg
Submit
Admin Client
pushed to db
Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing
Configure App Check
Panel view
Query builder
menuItem
aE67Ou0UOvus..
More in Google Cloud
(default)
Start collection
menuItem
users
Add document
9qe3mc1BaCKb8dUa71IC
aE67Ou0UOvusnRS2A4WA
Start collection
Add field
description: "Description input from admin"
imageuri: "
name: "HotDog"
price: "1.50"


Logo PlaceHolder
Not a member?
Sign Up
Welcome!
Username
Email Address
Password
Password
Log In


Firebase
Project Overview
Project shortcuts
Extensions
NEW
Release Monit...
NEW
Authentication
Storage
Firestore Database
Product categories
Build
Supereats
Authentication
Users
Sign-in method
Templates
Usage
Settings
Extensions
Authentication method implemented
Search by email address, phone number, or user UID
Add user
Identifier
Providers
Created
Signed In
User UID
phong@gmail.com
Apr 19, 2024
ibBPqJ6NqrNtMAWuYQ5V5Z5...
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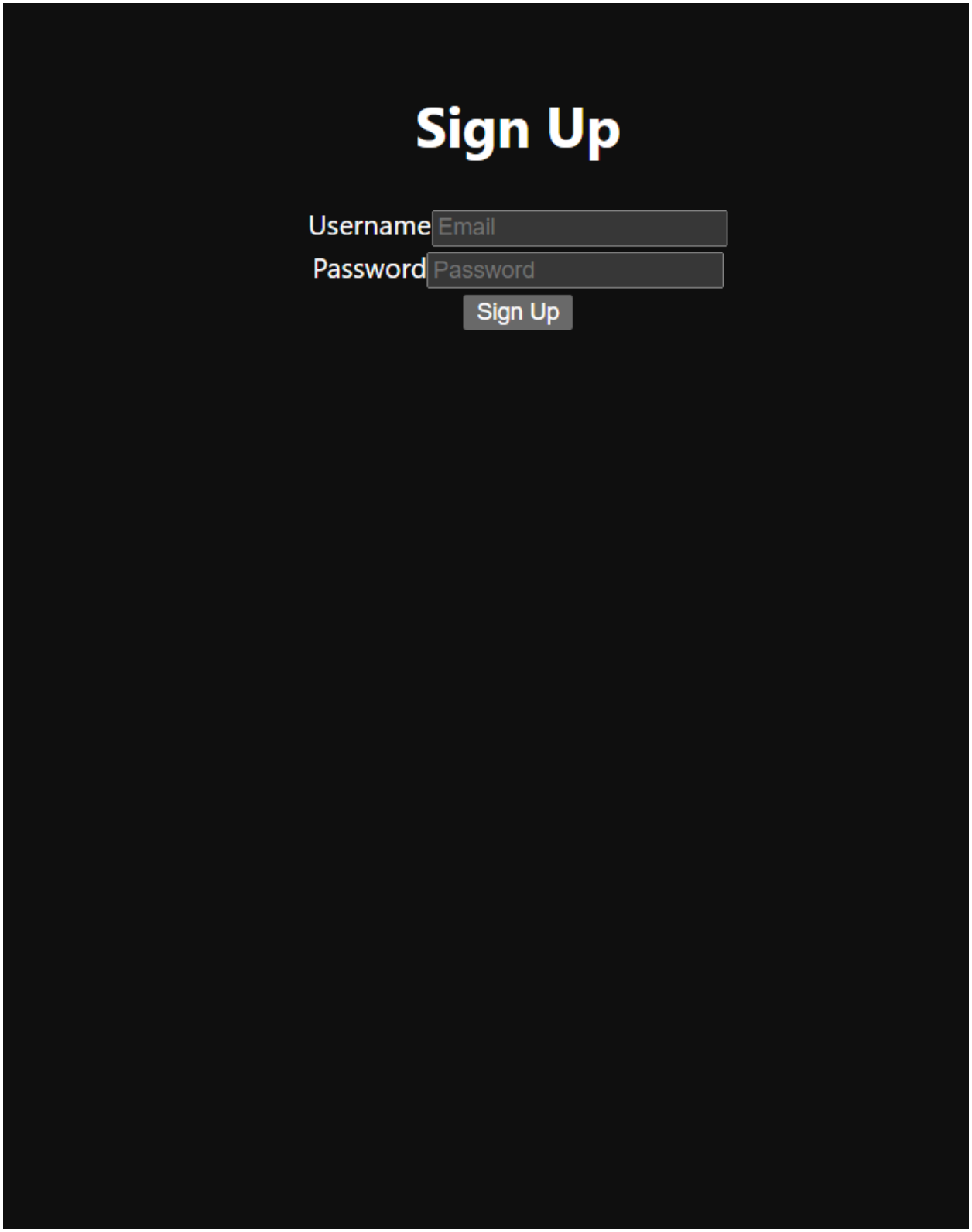

6. Memos of group meetings and possible concerns of team work:

Our group holds weekly meetings on Thursdays to discuss weekly progress as well as what each member will be working on until next Thursday's weekly meeting. We

have two members working on backend(Firebase) and three members working on frontend. In each meeting, 2-3 tasks are assigned to each member to complete. There are no concerns of teamwork.

7. https://github.com/1forb1dden1/Supereats