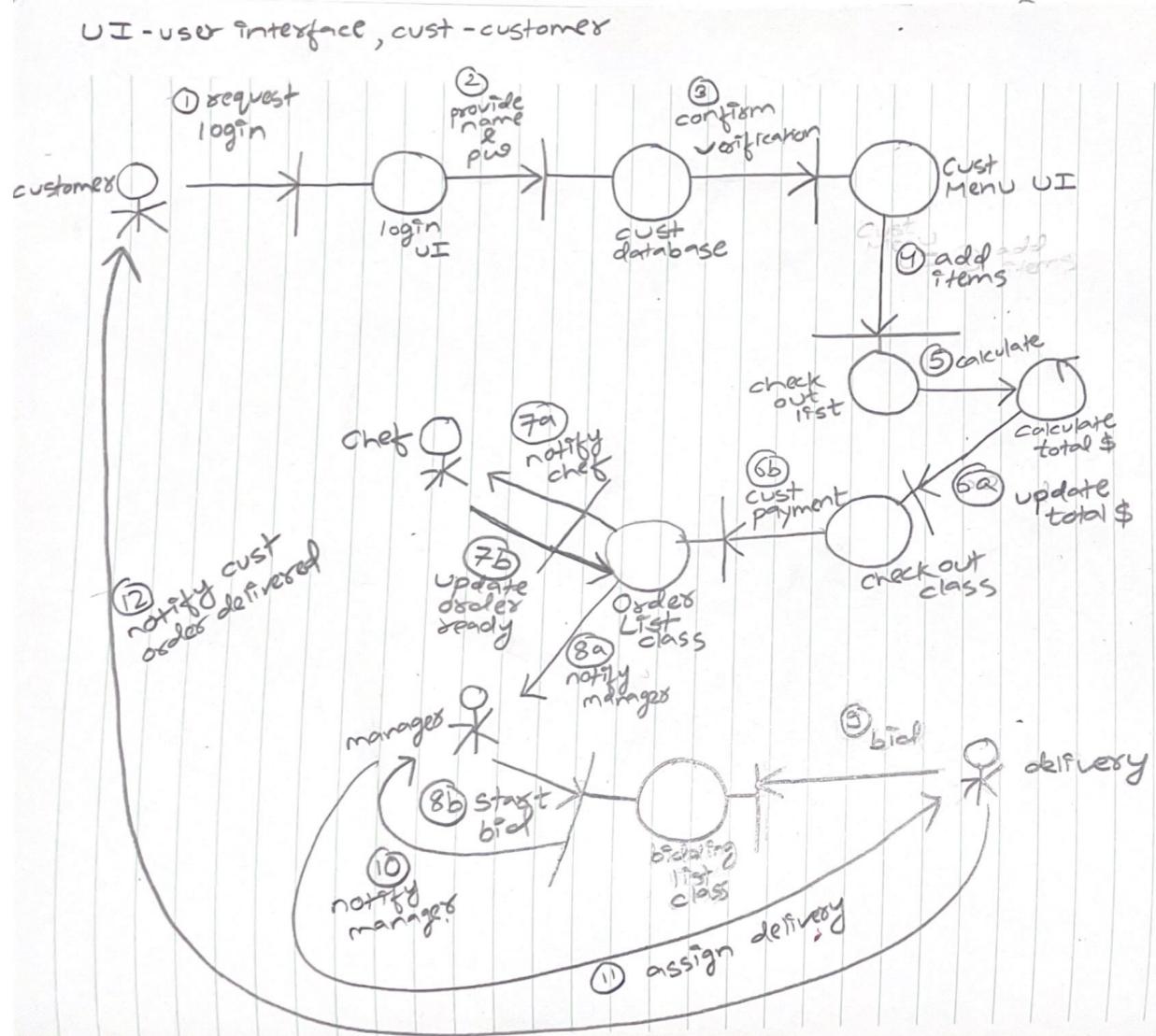


**City College of New York**

**Electronic restaurant order and delivery system  
Software Requirements Specification  
For Android Mobile**

## 1. Introduction

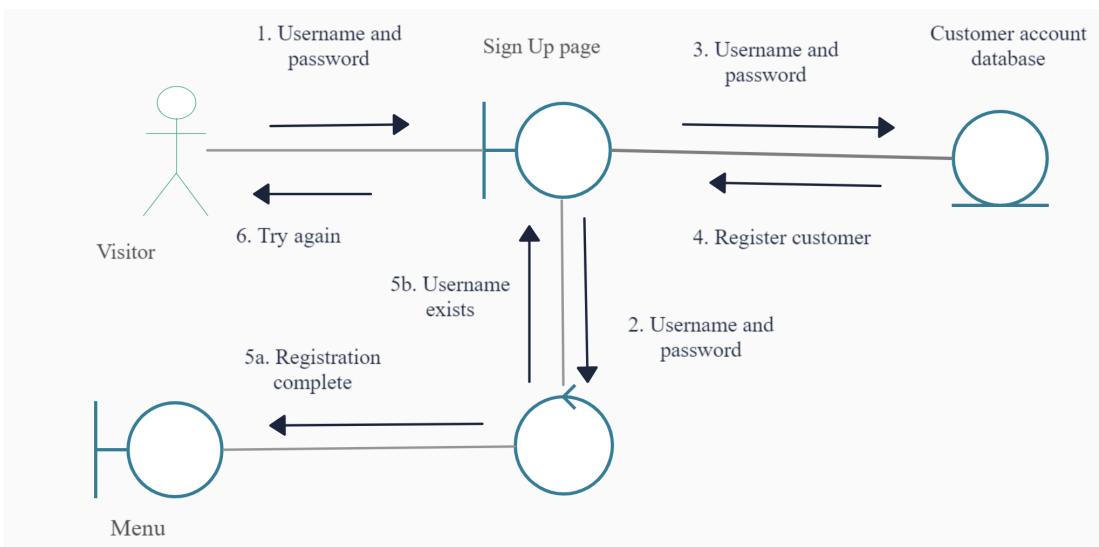
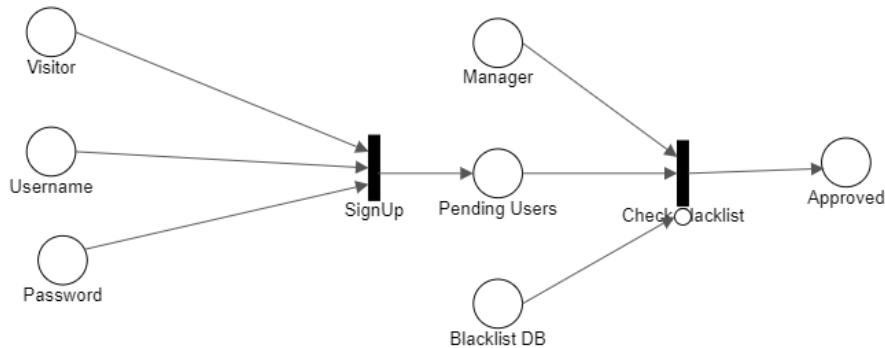
An overall picture of the system using collaboration class diagram



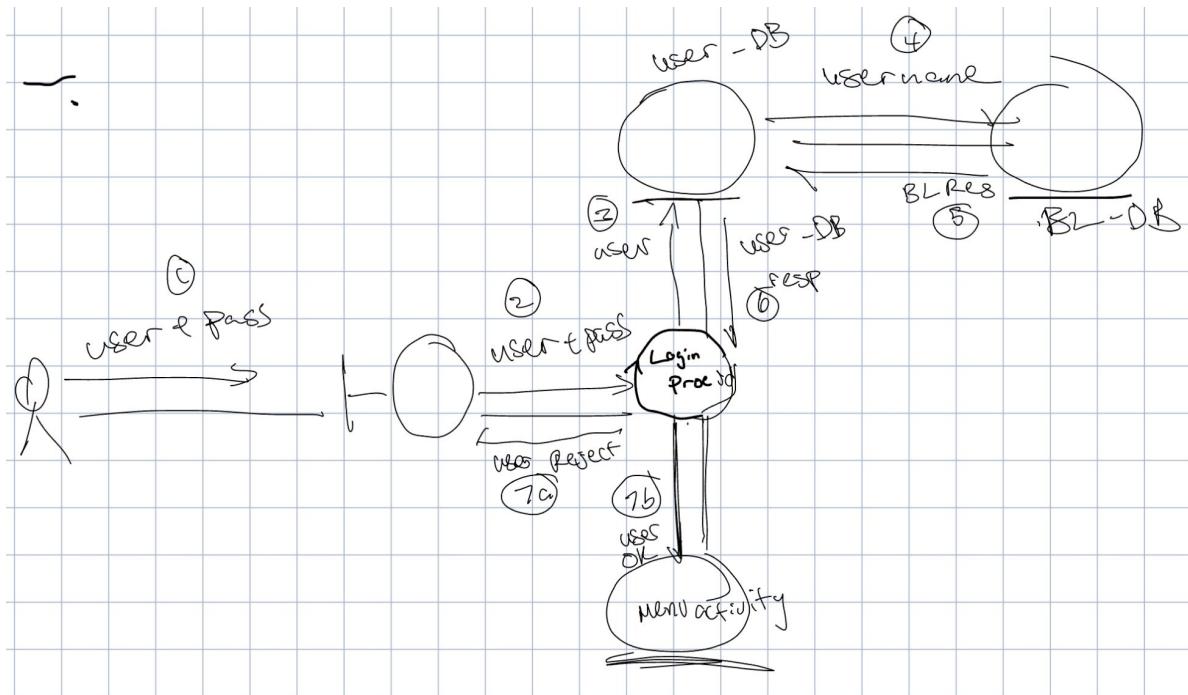
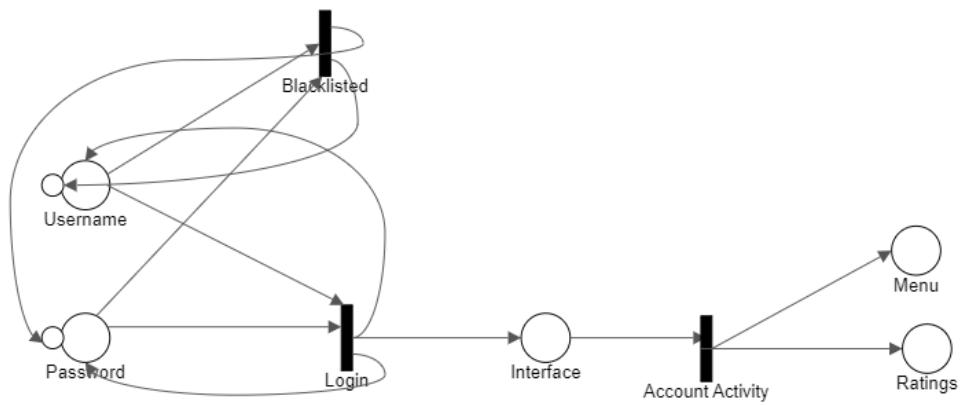
## 2. All use cases

- Scenarios for each use case: normal AND exceptional scenarios
- Collaboration or sequence class diagram for each use case, choose 3 or more use cases: draw the Petri-nets instead of class diagrams

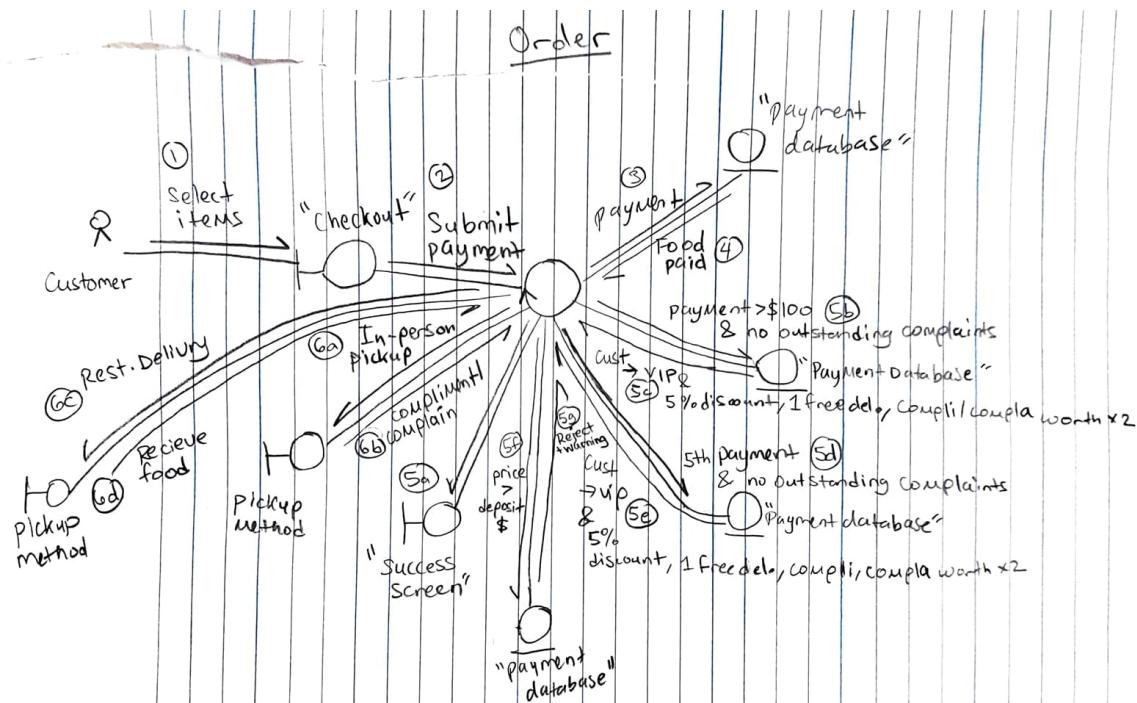
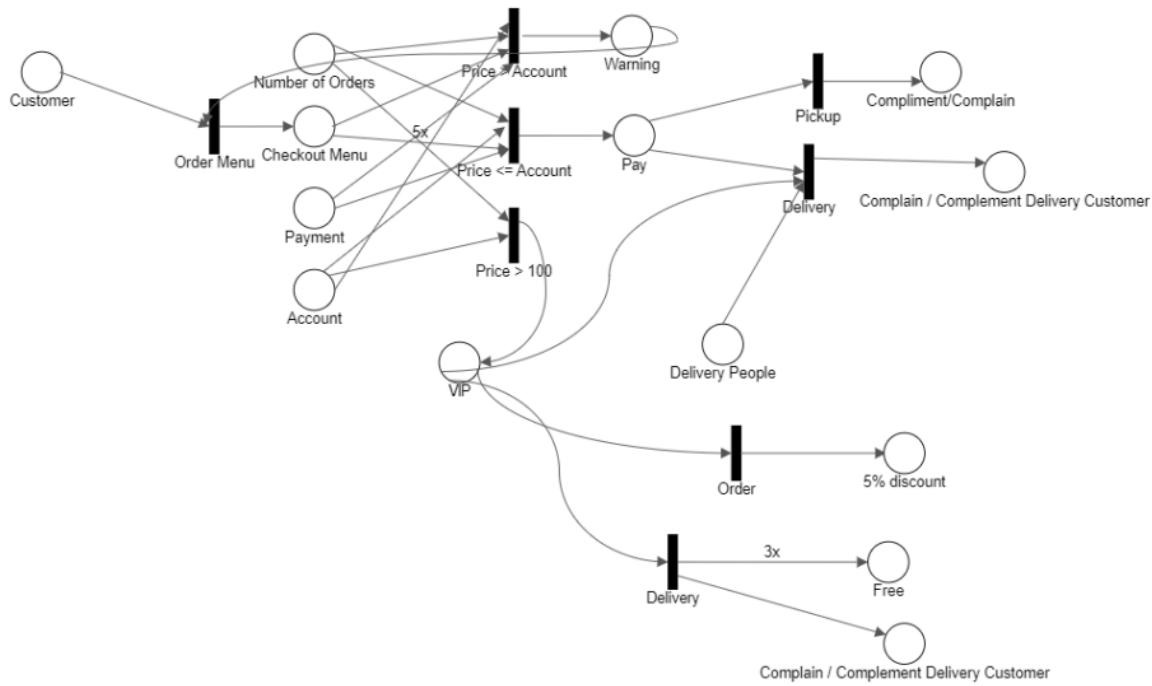
## Sign Up



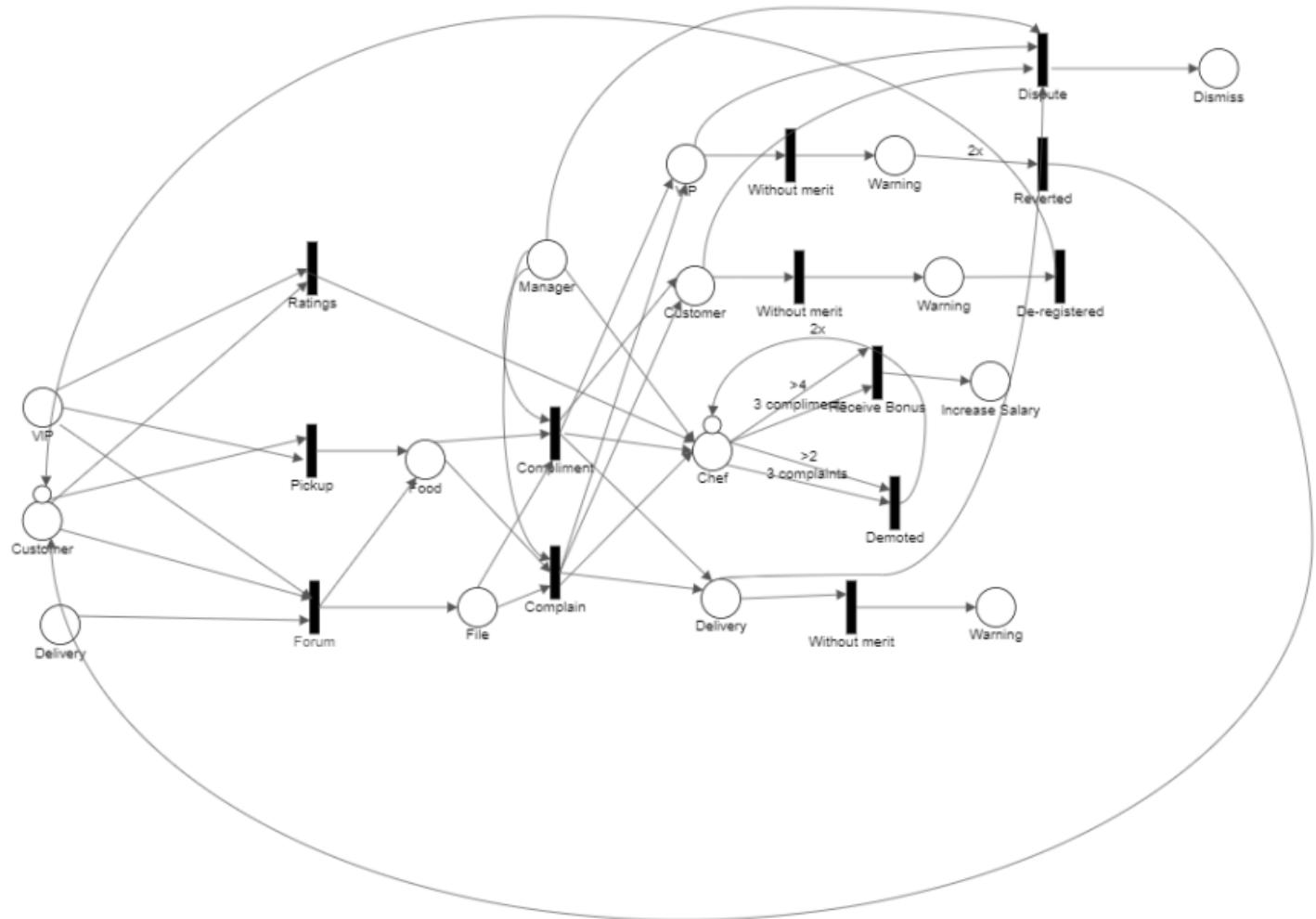
## Login

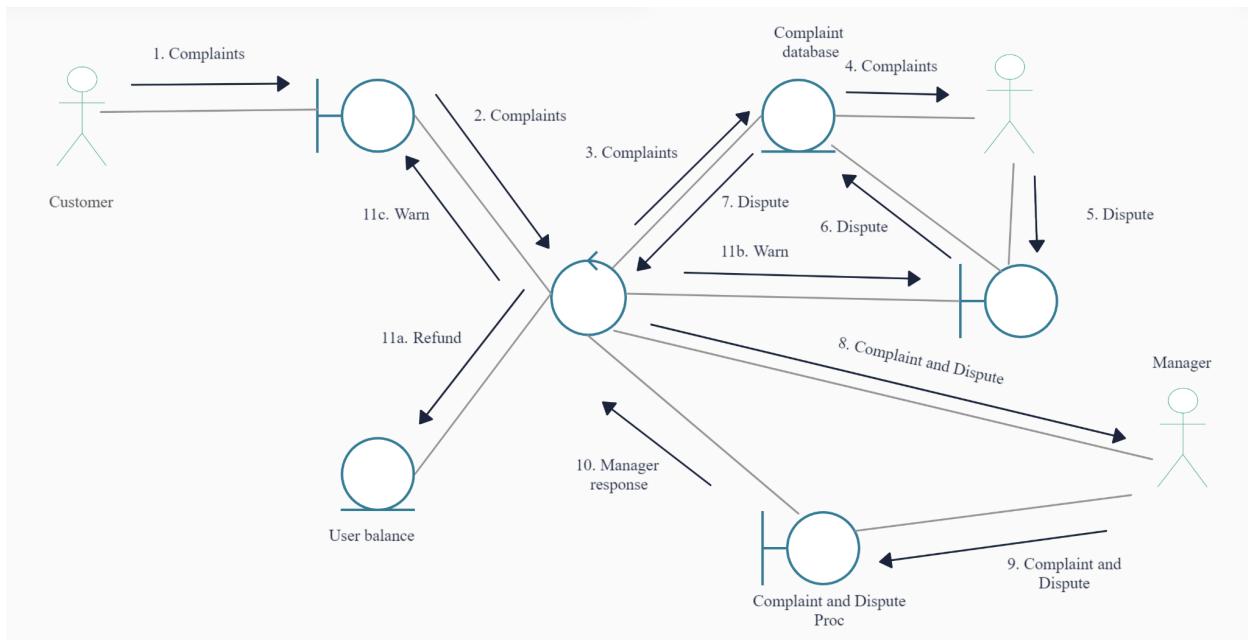


## Order



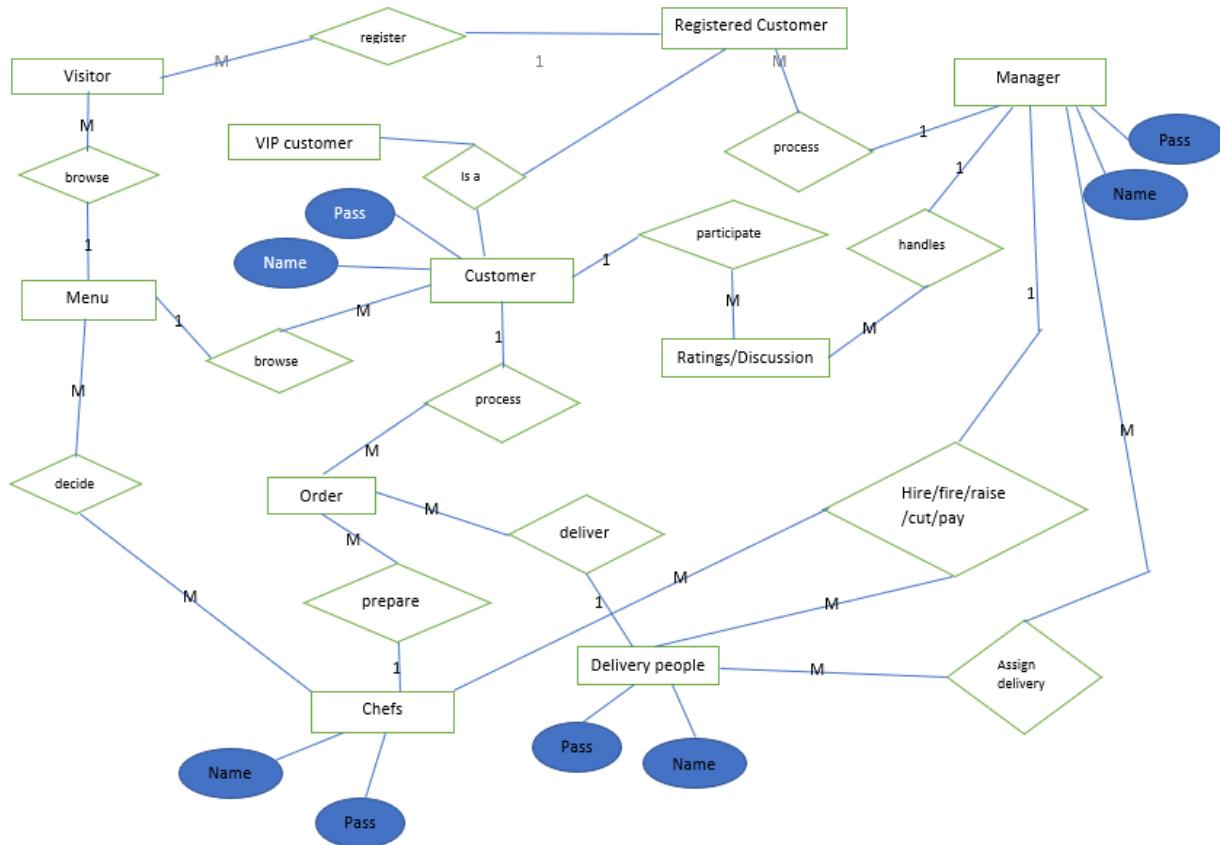
## Compliments/Complains





### 3. E-R diagram for the entire system

- attributes and key for each class should be provided



### 4. Detailed design

- For EVERY method use pseudo-code to delineate the input/output and main functionalities

#### Main functionality

##### Signup

- New signups are by default customers
- If signup info already exists
  - Warn customer
- Else
  - Allow customer to sign in with signup info
  -

## Login

- 3 types of login user
  - Manager, Chef, Customer
- User signs in
  - Database check user credential
  - If the user does not exist
    - Warn them
  - Else
    - Navigate user to their respective type screen

## Customer

- View menu and order items
- If item selected
  - User can choose quantity and add to cart
- When user at checkout
  - Total price is calculated
  - Correct items are presented
  - If total cost > user balance
    - User receives a warning
    - order does not get processed
  - Else
    - If user choose delivery
      - User are required to enter their delivery address
    - If user choose pickup
      - Allow user to compliment or complain about chef
  - Order gets processed and sent to respective chef
- User can view their profile status
  - Name, vip status, and balance is shown
  - If user decides to add balance
    - User are navigated to add balance
    - User balance gets updated
- If registered customer has warnings
  - If 2 warnings
    - Warning is shown when customer logs in
  - If 3 warnings
    - Warning is shown and kicks customer out
- If vip customer has warnings
  - If 1 warning
    - Warning is shown

- If 2 warning
  - Warning is show and demotes vip customer to registered customer
- Customers are able to write and dispute compliments or complaints

### Chef

- Allowed to view only their menu
- Chef is allowed to add/remove item on their menu
- Chef receives customer order in order view
  - If chef completes order
    - Chef removes order from order view
    - Completed order is sent to manager
- Chef can view their profile status
  - Name, title, compliments and complaints, and salary is shown

### Manager

- Receives completed order from chef
  - Manager create thread for delivery people
    - Chooses who to deliver
    - if highest bidder is chosen
      - Manager is asked to justify their choice
    - Else
      - Assign delivery to lowest bidder
- Manager handles customer account
  - If customer gets kicked out due to warnings
  - Or if customer decides to deactivate account
    - Manager complete deactivating account
- Manager handles complaints
  - Dismiss or give warning to complaints
    - If decision is made
      - Notify parties
  - If complaint is decided to be without merits
    - Give warnings the person who complaints

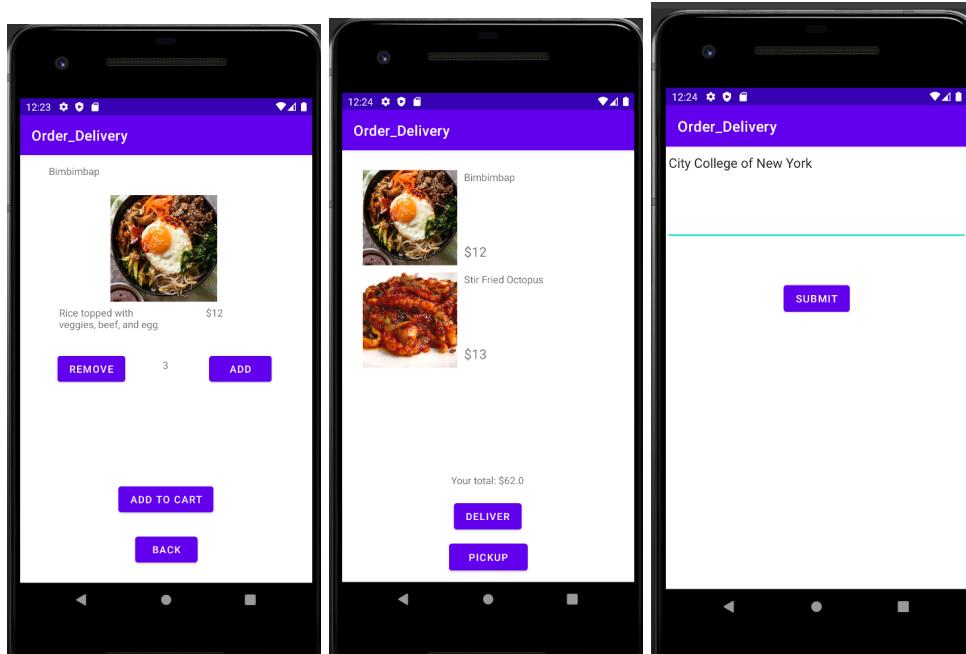
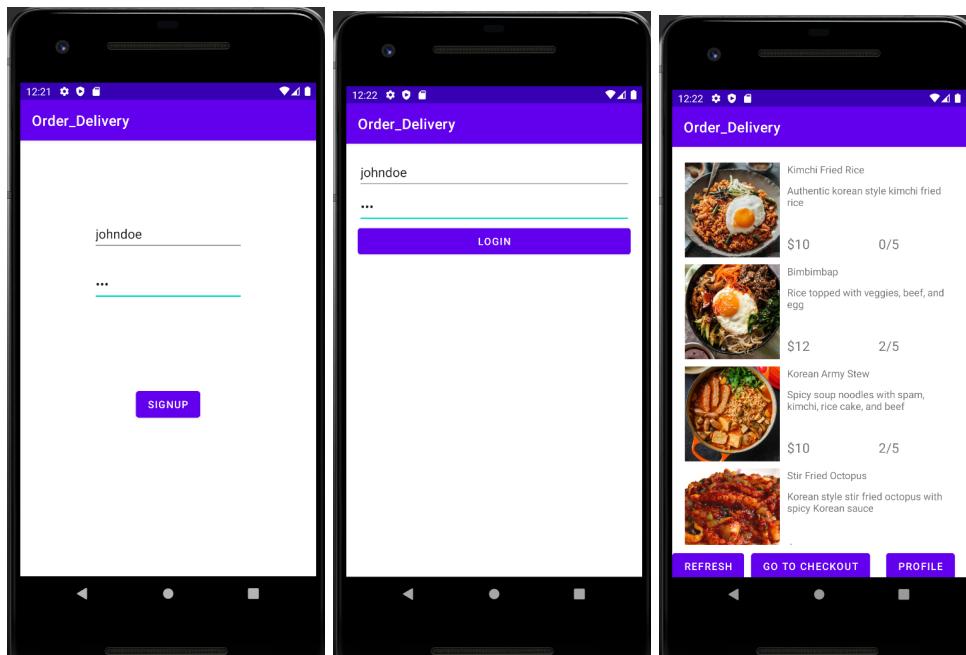
### Delivery Person

- Bids for delivery
- If no delivery for past 5 orders
  - Receive one warning auto
- File a complaint on user

## 5. System screens

- Demonstrate major GUI screens of the system and a sample prototype of one functionality of your own choice

Sample prototype of customer navigations:



## **6. Memos of group meetings and possible concerns of team work**

### Ruhi

- Login/ signup
- Chef menu
- add/remove menu item

### Rishika

- Customer profile
- add money feature
- login/ signup

### Solomon

- Check money feature
- Add item to cart feature
- Customer pickup/ delivery address

### Ashley

- Fragments
- Navigation:
  - Profile, Menu, Shopping cart

### Concern of teamwork

- Not concerned
- Teamwork is going great
  - We have strong communications
  - Everyone gets work done on time

## **7. Address of the git repo (github, gitlab, bitbucket, etc) of your team's work so far - put all materials including this report there**

[https://github.com/szhangCCNY/322Project\\_Delivery.git](https://github.com/szhangCCNY/322Project_Delivery.git)