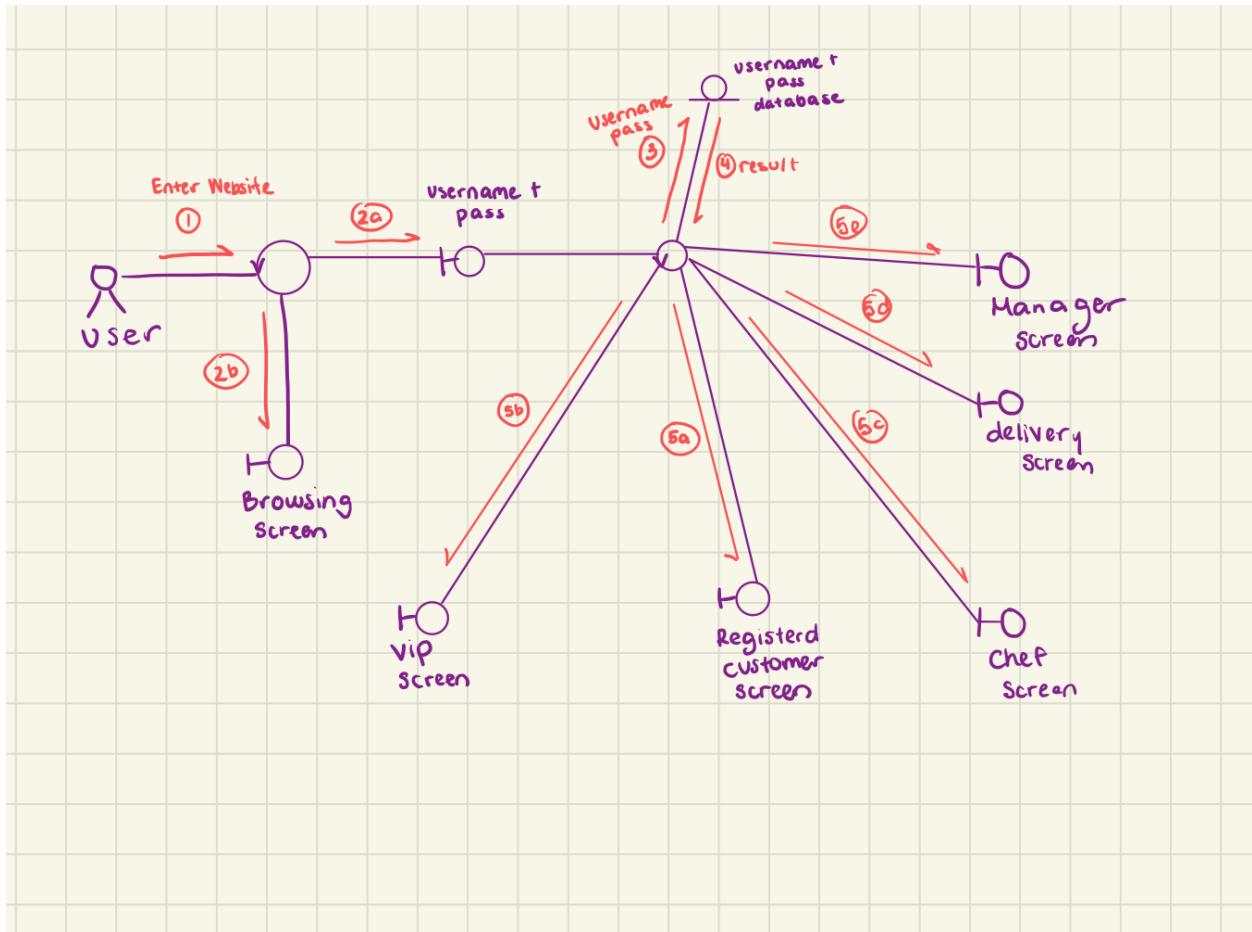

Team M

**OneBite
Software Requirements Specification
For Online Restaurant System**

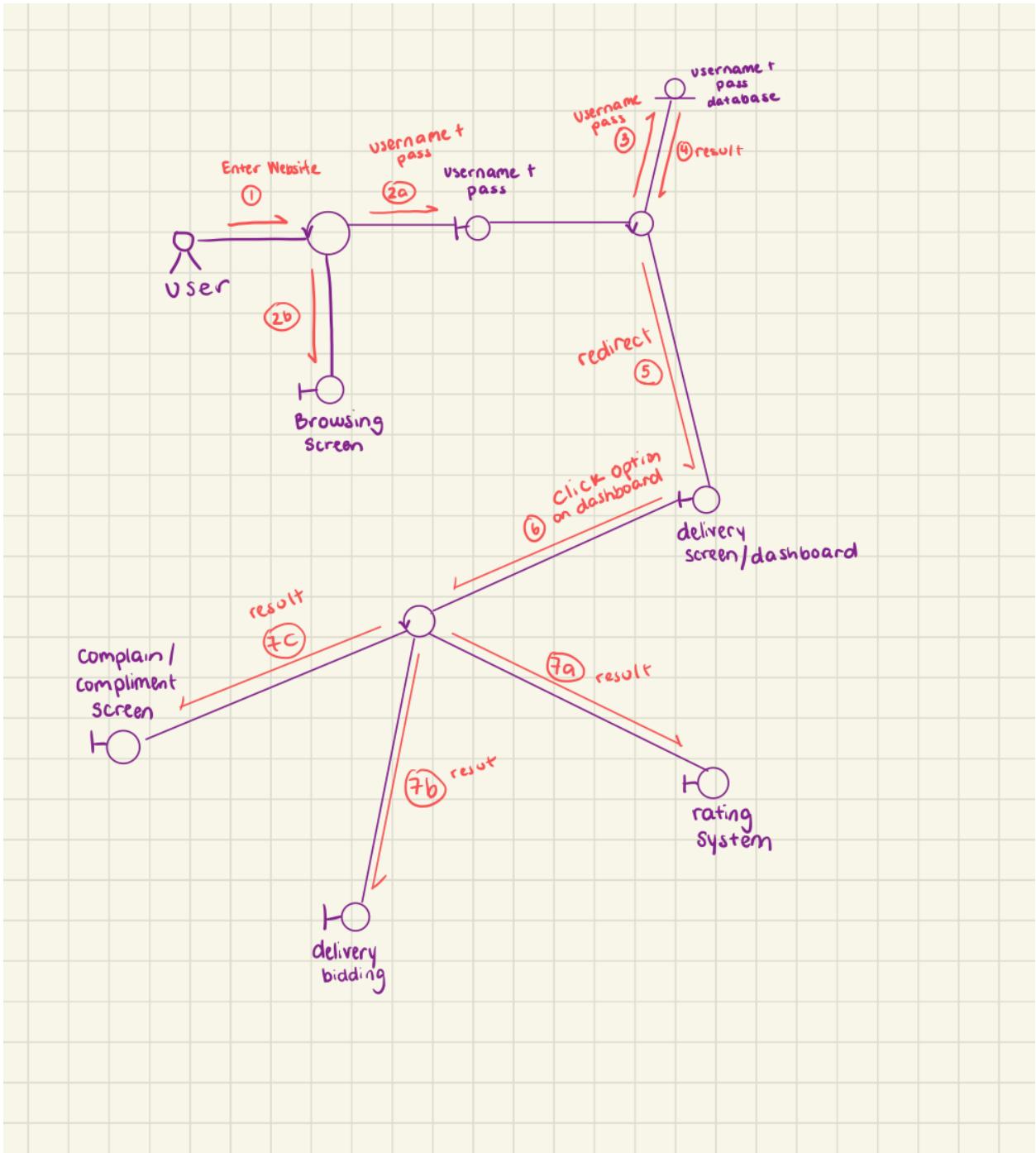
Developers: Chenhao L., Peggy L., Mavis Y., Riaz A., Jessie S.

1. Introduction

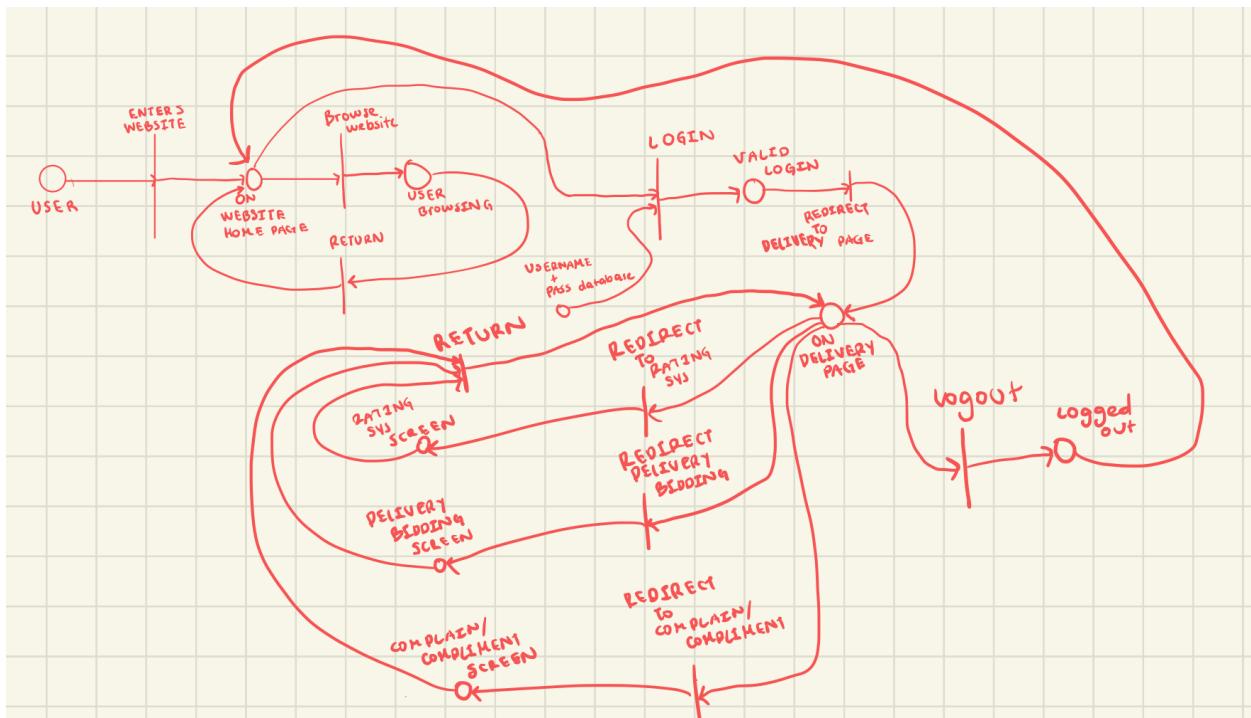


2. Use Cases

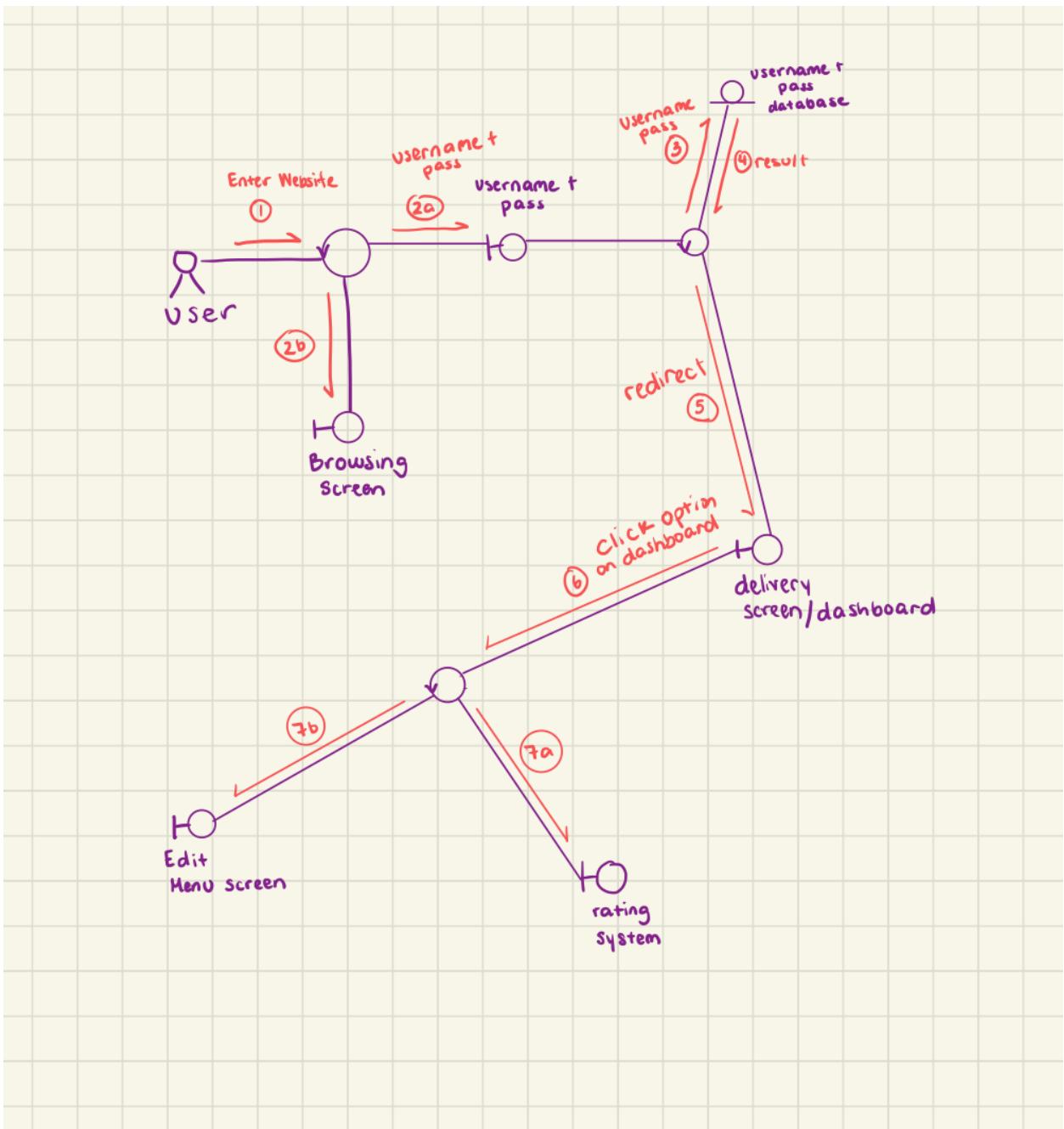
Delivery People



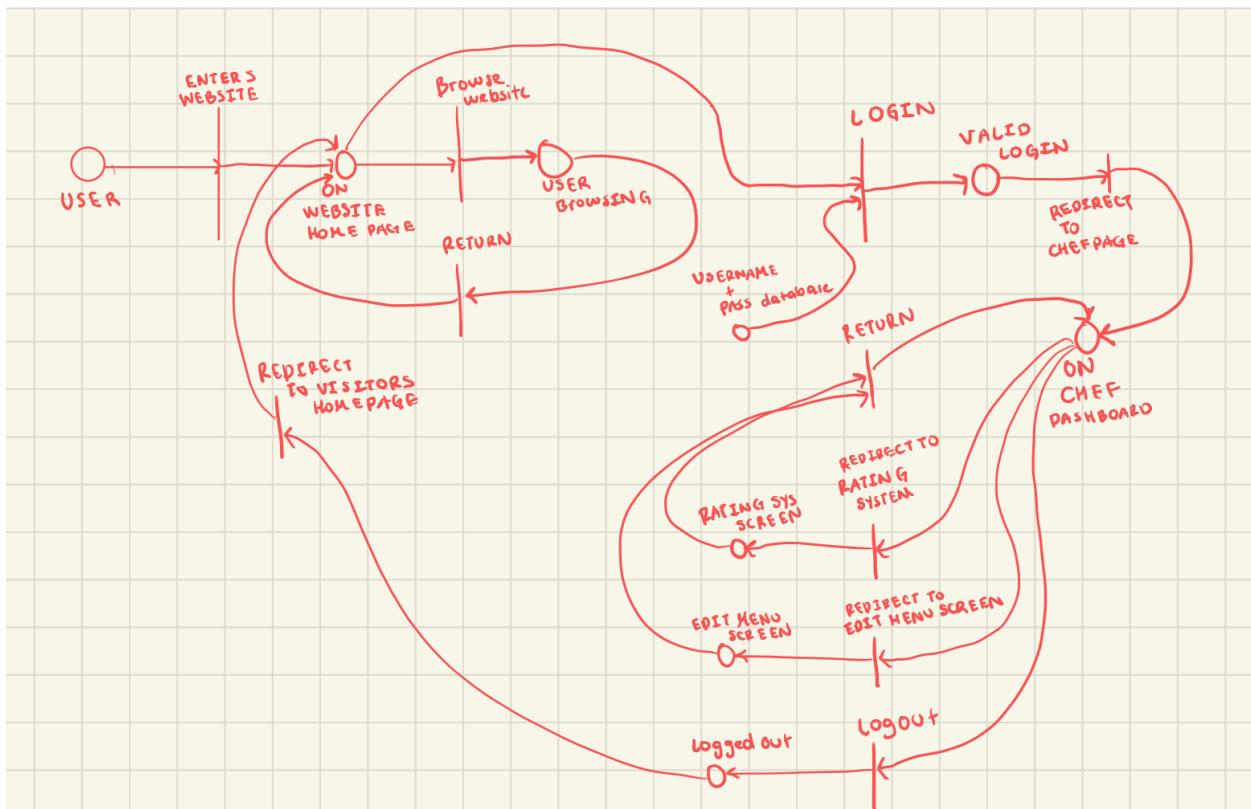
Petri-net for delivery people:



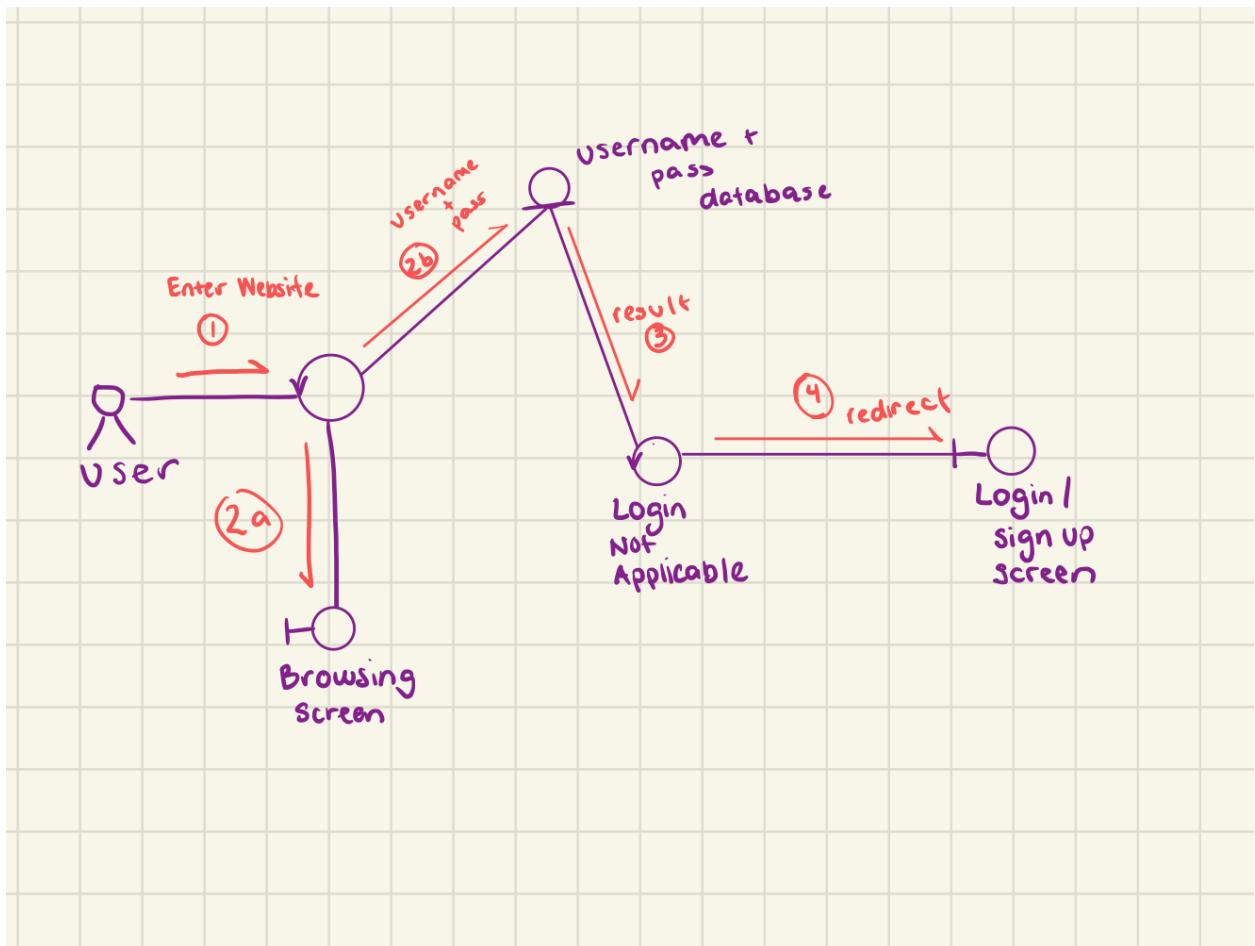
Chef People



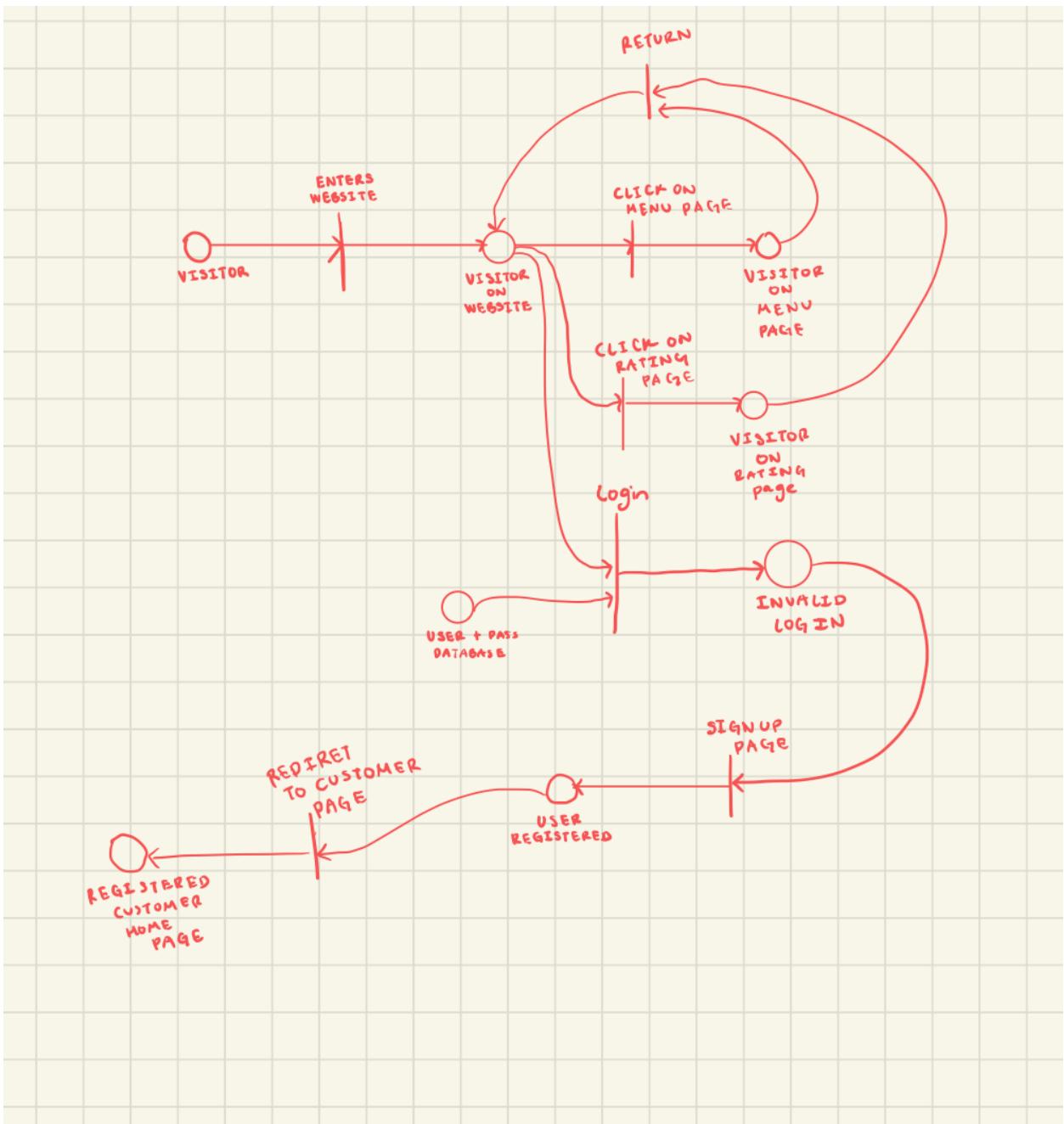
Petri-net for chef:



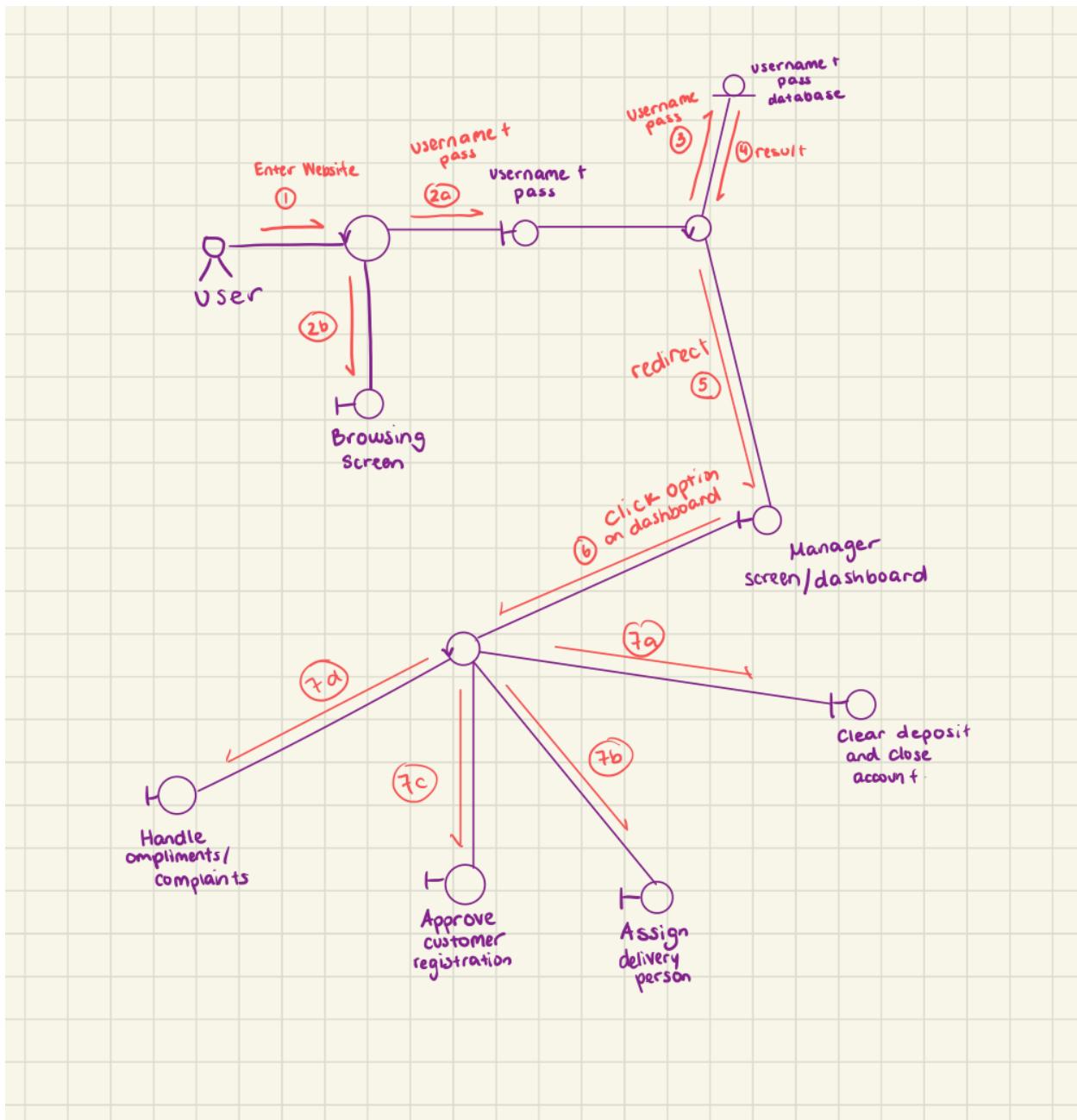
Visitor



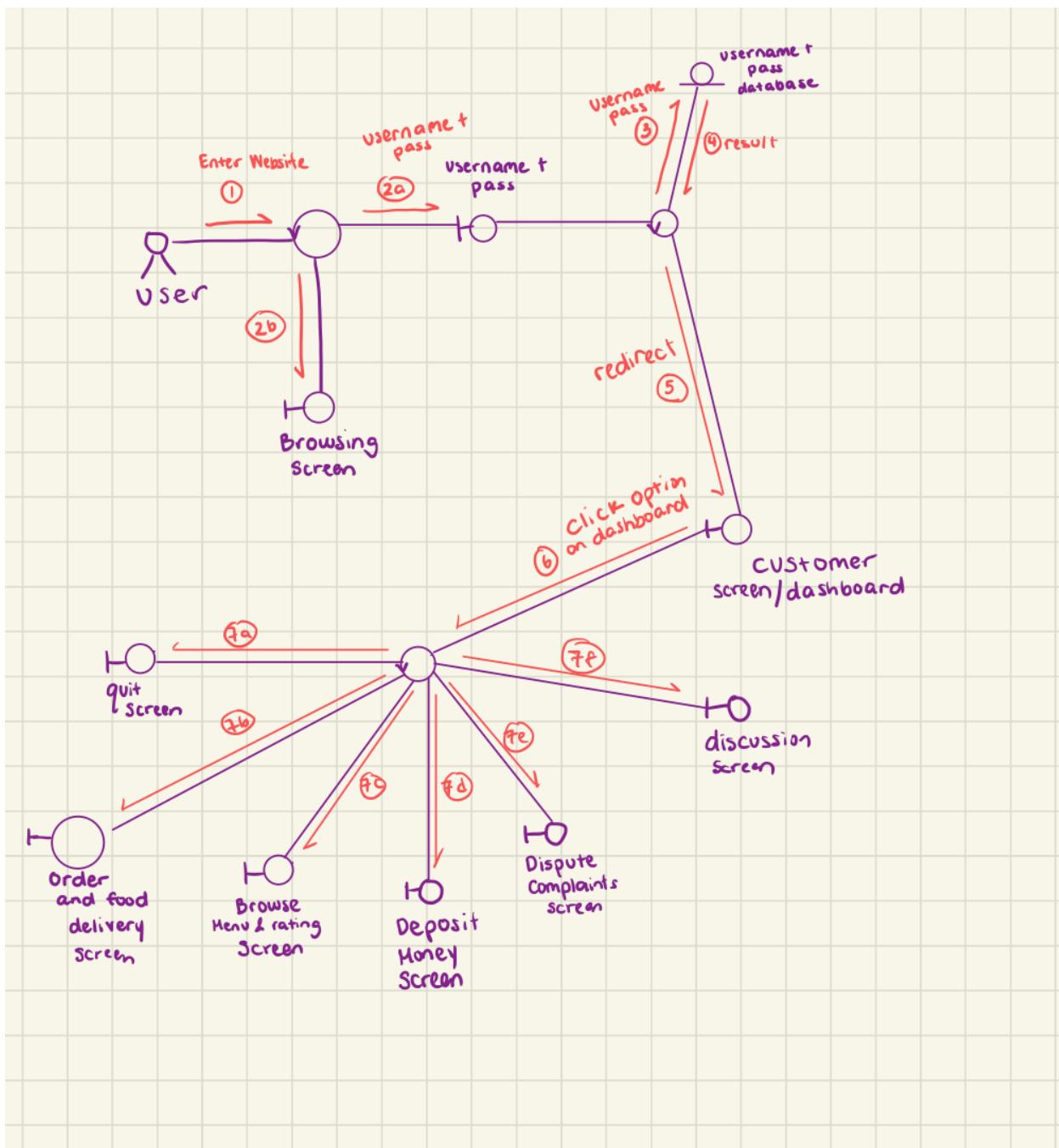
Petri-net for visitor:



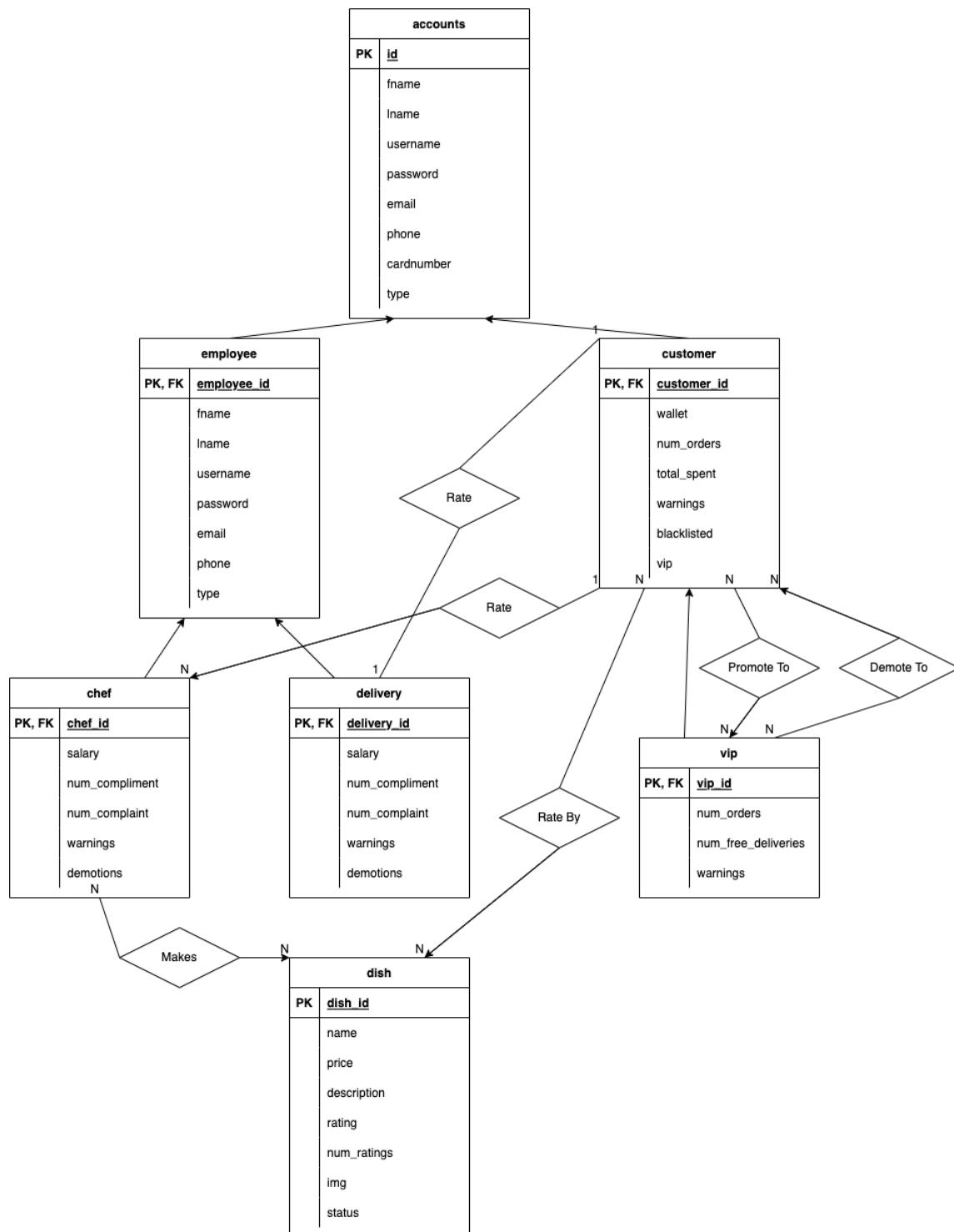
Manager



Customer



3. E-R Diagram



4. Detailed Design

User.py

User() - A class object that hold all information regarding a user

Id : int - store the id of the user

firstName : str - Store the user's first name

lastName : str - Store the user's last name

Email : str - Store the user's email

Uname : str - Store the user's username

Password : str - Store the user's password

PhoneNumber : str - Store the user's phone number

userType : str - Store the type of the user

Wallet : float - Store the user's wallet

setName(firstName, lastName) - Change the user's name

setEmail(email) - Change the user's email

setUsername(username) - Change the user's username

setPhoneNumber(phoneNumber) - Change the user's phone number

Staff.py

Staff(User) - A class object that hold all information regarding the staff

Customer.py

Customer(User) - A class object that hold all information regarding a customer

cardNumber : str - Store the users card number

setCardNumber(cardNumber) - Change the user's card number

Chef.py

Chef(Staff) - A class object that hold all information regarding a chef

Manager.py

Manager(Staff) - A class object that hold all information regarding a manager

Dish.py

Dish() - A class object that holds all the information regarding a dish

Name : str - store the dish's name

Desc: str - store the dish's description

Img str - store the dish's image url

Price : float - store the dish's price

getAppetizers(db) - Get all appetizers from the database

 Open a connection in the database

 Query all results that is an dish and an appetizer

 Create a new dish instance and append it to an array

 Return the array at the end

getEntrees(db) - Get all entrees from the database

 Open a connection in the database

 Query all results that is an dish and an entree

 Create a new dish instance and append it to an array

 Return the array at the end

getDesserts(db) - Get all desserts from the database

 Open a connection in the database

 Query all results that is an dish and a desert

 Create a new dish instance and append it to an array

 Return the array at the end

Methods in main.py

`isUserStillInSession()` - Verify if the user is logged in

If user is logged in:

 grab user data from cookies and return (True, user object)

Else if the user is logged in but user data DNE in cookies:

 grab the user information from database and return

If user exists: return (True, user object)

Else: return (False, None)

`homePage()` - Route to the home page

If user is sign in: route to a personalized home page

Else route to the guest home page

`aboutPage()` - Route to the about page

If user is sign in: route to the about page and change the navbar

Else route to the guest about page

`menu()` - Route to the menu page

APPETIZERS, ENTREES, DESERTS = get information from database

If user is sign in: route to the menu page and change the navbar

Else route to the guest menu page

`loginPage()` - Route to the user login page

Route to the login page

If user submits form: create a user session by accessing information from database

`logout()` - Log out a user from the session

Remove the user from the current session and cookies

Redirect the user to the login page

`forgotpassPage()` - Route to the forgot password page

 Route to the forgot password page

 If user submits form: access database and update password

`newuserPage()` - Route to the signup page

 Route to the new user page

 If user submits form: access database and creates new account

`faqs()` - Route to the FAQs page

 If user is sign in: route to the faq page and change the navbar

 Else route to the guest faq page with the default navbar

`pageNotFound(e)` - Route to this page if 404

`tos()` - Route to the terms of service page

 If user is sign in: route to the tos page and change the navbar

 Else route to the tos page with the default navbar

`privacyPolicy()` - Route to the privacy policy page

 If user is sign in: route to the privacy policy page and change the navbar

 Else route to the privacy policy page with the default navbar

`customerSupport()` - Route to the customer support page

 If user is sign in: route to the customer support page and change the navbar

 Else route to the customer support page with the default navbar

`careers()` - Route to the careers page

 If user is sign in: route to the careers page and change the navbar

 Else route to the careers page with the default navbar

cartPage() - Route to the cart page

If user is not signed in: route to login page with error message
Else route to the cart page and change the navbar

checkoutPage() - Route to the checkout page

If user is not signed in: route to login page with error message
Else route to the checkout page and change the navbar

orderPlacedPage() - Route to order confirmation/failure page

If user is not signed in: route to the login page with error message
Else route to the orderplaced page and change the navbar

profilePage() - Route to the profile page

If user is not signed in: route to the login page with error message
Else route to the orderplaced page and change the navbar

delivery() - Route to the delivery page

deliveryBidding() - Route to the bidding page

pastDelivery() - Route to the past delivery page

orders() - Route to the orders page

If user is logged in: route to their personalized order page
Else: redirect the user to the login screen

dashboard() - Route to the dashboard page

If user is logged in: route to their personalized dashboard page
Else: redirect the user to the login screen

Methods in database.py

databaselinit(app : SQL) - Initialize the database

data = Load settings from “config.json”

Config the app with the data

Return a new instance of MySQL(app)

convertUser(account : dict) - Convert raw query from the database into a user object

- If user is a manager: return new manager(data from account)
- If user is a customer: return new customer(data from account)
- If user is a chef: return new chef(data from account)
- If user is a delivery personnel: return new delivery(data from account)

getUserInDatabaseByLogin(db) - handle user on logging in

 Connect to database and retrieve user information using username and password

- If account exists: return account
- Else: flash error message that account does not exist

getUserInDatabaseByID(db, id) - find the user from the database by id

 Connect to database and retrieve user information using id

- If account exists: return account

verifyNewUser(db): make sure the new user creation is successful

 Fetch form data

 Connect to database and retrieve user information using username

 If account exists: flash error message that username already exists

 Else if email is not in the form 'email@email.com': flash error message for invalid email

 Else if password does not contain a digit/uppercase letter/lowercase letter/ is < 8 characters/ does not match confirm password: flash respective error message

 Else if phone number does not contain 10 characters: flash error message for invalid phone number

 Else if card number does not contain 16 characters: flash error message for invalid card number

 Else: create account

`forgotPassword(db)` - Update the password in database

Fetch form data

Connect to database and retrieve user information using email and username

If account exists: check for the following

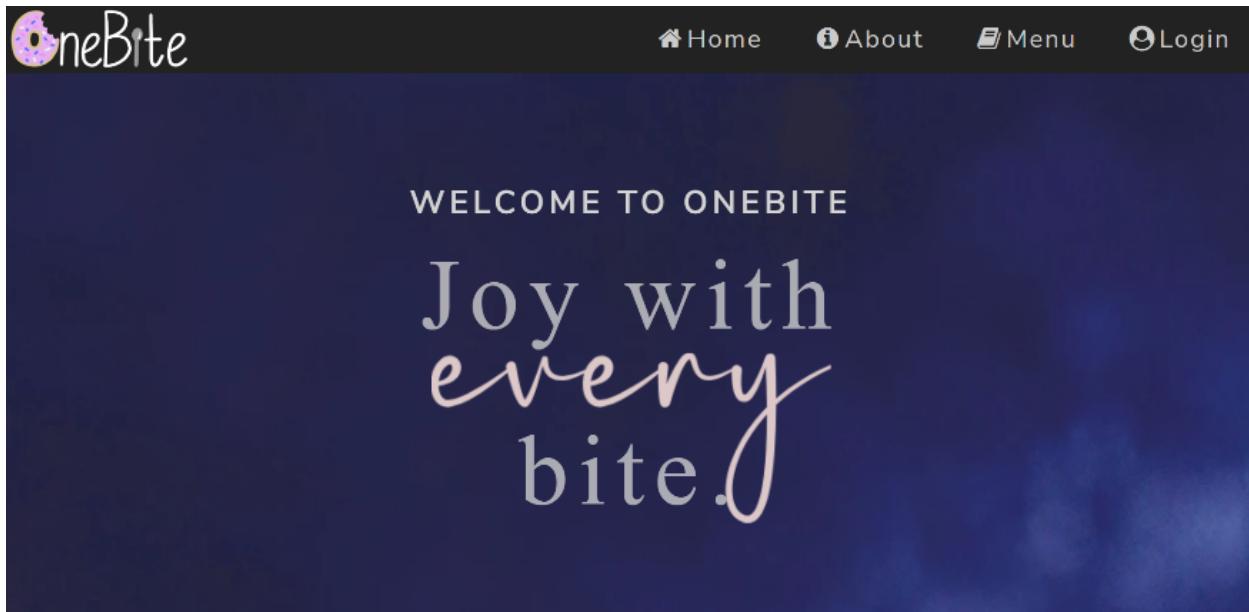
If password does not contain a digit/uppercase letter/lowercase letter/ is < 8 characters/ does not match confirm password: flash respective error message

Else: update password

Else: flash error message that account does not exist

5. System Screen

Home Page



TRY OUR MOST POPULAR DISHES...



Name of Dish

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Name of Dish

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Name of Dish

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TRY OUR HIGHEST RATED DISHES...



Name of Dish

Price of Dish

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Name of Dish

Price of Dish

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Name of Dish

Price of Dish

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Hours: Weekdays from 10 AM - 5 PM EST

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[Chefs](#)

[Deliveries](#)

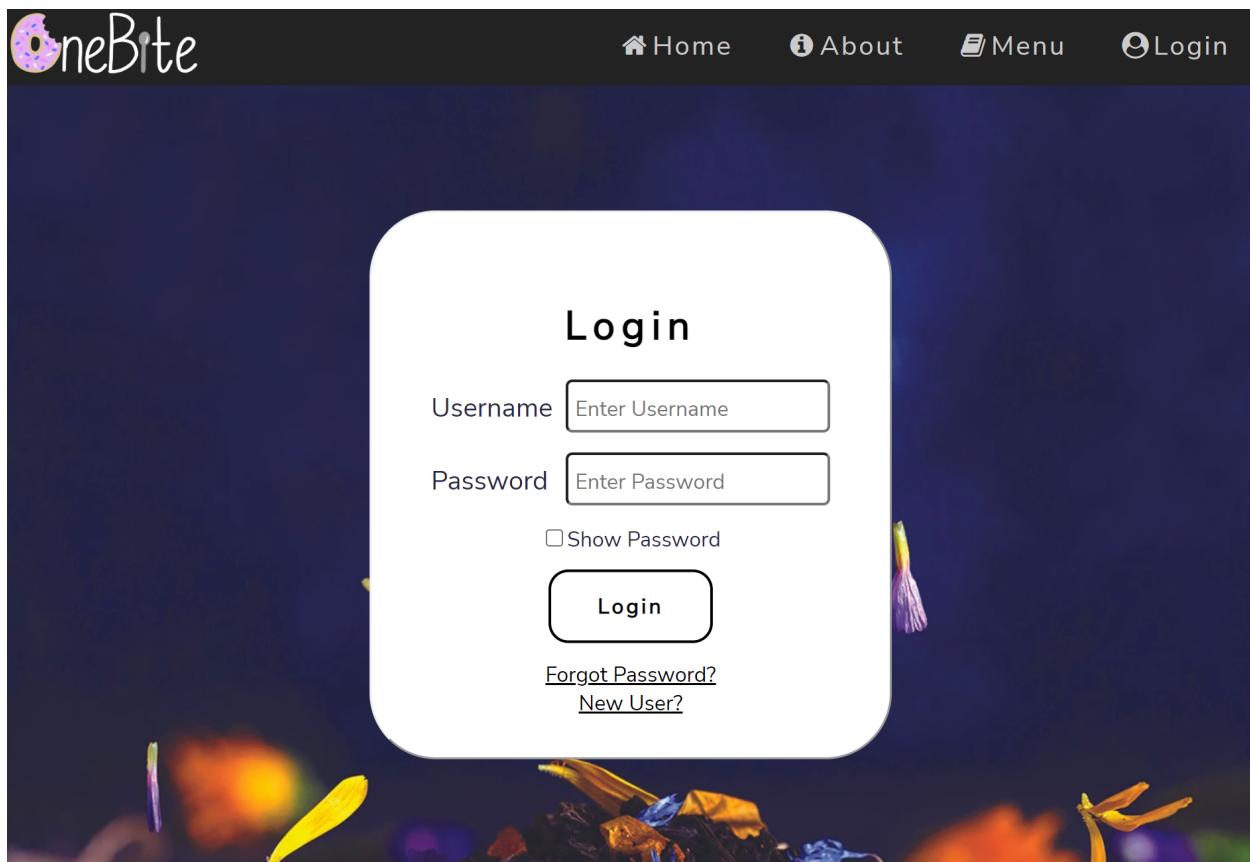
[Managers](#)

[Developers](#)

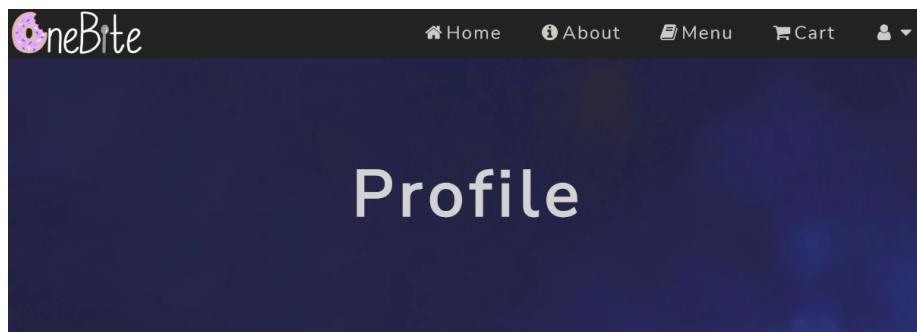


Built By: Team M | © Copyright 2022

Login Screen



Profile Page



Profile

Personal Information

Name: Sam Iam
Email: samiam@greeneggs.ham
Username: None
Password: [Change Password](#)
Phone Number: (123)-456-7890
Address: 160 Convent Avenue

Wallet

Card Number: **** * 3456
[Change Card Number](#)
Balance: \$104.00
[Add Funds](#)

Warnings

Number of Warnings: 0

*CAUTION: Receiving 3 warnings will result your account in being blacklisted.

Delete Account

[Delete Account](#)

*CAUTION: Account CANNOT be recovered once it is deleted.

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Menu page

The screenshot shows a restaurant menu page with a dark blue header featuring the word "RESTAURANT" and navigation links for Home, About, Menu, and Login. The main title "Menu" is centered above a section titled "Appetizers". There are six items listed, each with a small thumbnail image of the dish, the item name, a brief description, and price.

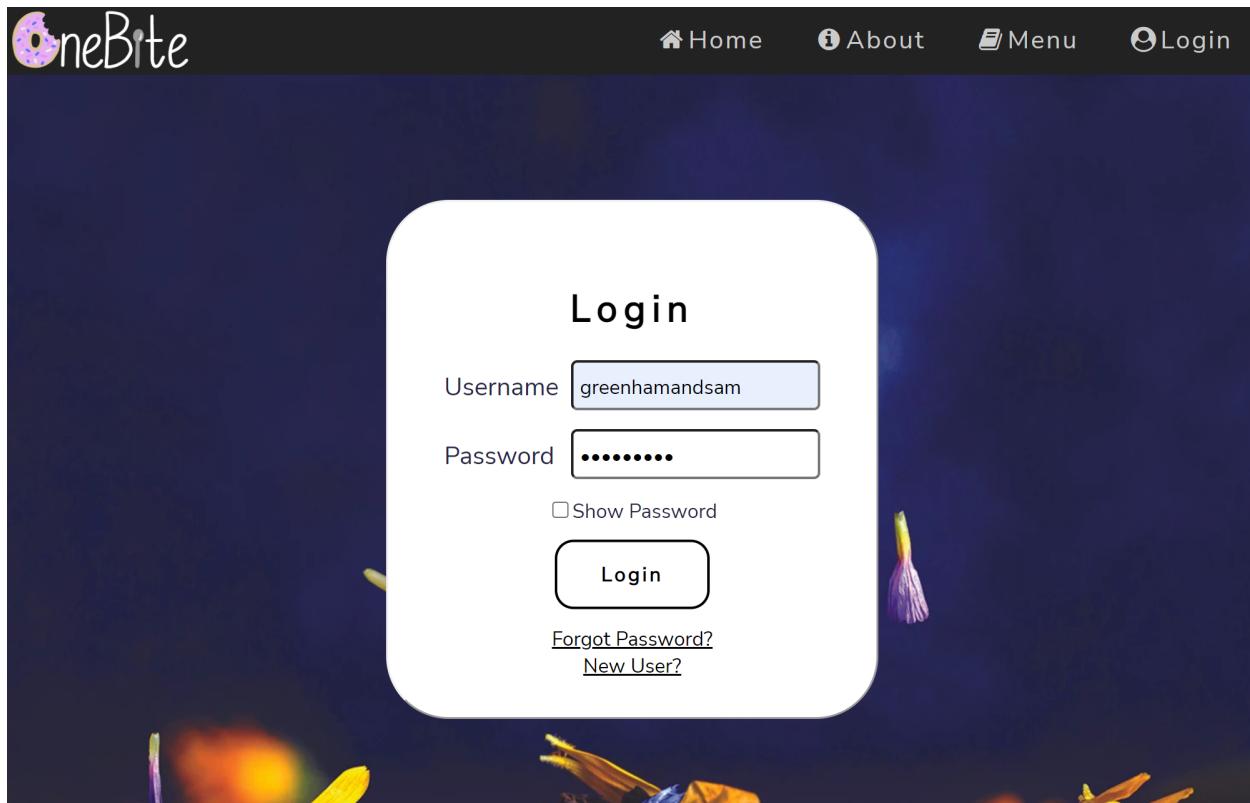
Item Name	Description	Price
Item Name 1	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$12.99
Item Name 2	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$11.99
Item Name 3	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$15.99
Item Name 4	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$17.99
Item Name 5	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$19.99
Item Name 6	Item ipsum dolor sit amet consectetur adipisicing elit. Nam eum error maiores laudantium odit ab sequi sed, distinctio, asperiores pariatur accusamus quas! Earum repellat dicta natus accusantium recusandae necessitatibus veniam!	\$29.99

Chef Edit Menu Page

The screenshot shows the "APPETIZERS" section of the Chef Edit Menu Page. It displays four rows of appetizer items, each with a thumbnail image, quantity, item name, description, price, and edit/remove buttons.

one	Item 1 Name	Condimentum Iascus orci netus.	\$5.99	Edit Remove
one	Item 1 Name	Condimentum Iascus orci netus.	\$5.99	Edit Remove
one	Item 1 Name	Condimentum Iascus orci netus.	\$5.99	Edit Remove
one	Item 1 Name	Condimentum Iascus orci netus.	\$5.99	Edit Remove

Prototype: Log in prototype



Logged in successfully!

samiam@greeneggs.ham
Wallet: \$104.00
Warnings:

 Profile Orders Dashboard Logout

WELCOME TO ONEBITE, Sam.

Joy with
every
bite.

YOUR TOP 3 DISHES...



Name of Dish

Price of Dish

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Name of Dish

Price of Dish

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Name of Dish

Price of Dish

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Other Openings

6. Memos

2/24/22 - Week 1

We introduced ourselves, designed the layout for the project, and tried to familiarize ourselves with HTML, CSS, Python, and the flask modules for next week.

3/3/22 - Week 2

We finalized the design and layout and distributed tasks for next week.

The creation of

- The main page template and footer was given to Chenhao
- Home page was given to Mavis
- Login page was given to Jessie
- Menu page was given to Riaz
- Navbar was given to Peggie

10/3/22 - Week 3

Everyone showed the progress they did over the last week and distributed tasks for next week.

The creation of

- Miscellaneous pages such as the FAQs, Privacy Policy, TOS, and Customer support page was given to Chenhao
- Forgot password and new user creation page was given to Jessie
- Optimize and adjust formatting for the home page was given to Mavis
- Continuation of the development of the navbar was given to Peggie
- Continuation of the development of the menu page was assigned to Riaz

17/3/22 - Week 4

Everyone shares their progress over the last week and distributes tasks for next week. Optimizing, formatting and making it mobile friendly was given to Chenhao and Jessie. Creation of a MySQL database was given to Mavis and Peggie.

25/3/22 - Week 5

We stop our development for the project and spend most of our time finishing the phase I of the report.

31/3/22 - Week 6

After the completion of the report, we resume the development of the project and distributed task for next week

The creation of the About page, user classes, and attributes are given to Chenhao. Linking the database with the login and sign up pages was given to Mavis. A new hidden navbar design was given to Peggy. Jessie did the past deliveries page, warning pop up and edited the menu page.

4/7/22 - Week 7

Everyone shows the progress they did over the last week and distributed tasks for next week. Session creation was given to Chenhao, the creation of the cart page and a fix for the background image was given to Jessie. The creation of a personalized home page and checkout page was given to Mavis. The task of creating the base dashboard for the manager and chef was given to Peggy.

14/7/22 - Week 8

Everyone shows the progress they did over the last week and distributed tasks for next week. The creation of the order page and update the about page with relevant information was given to Riaz. Cleaning up the dashboard HTML files and adding safety checks to make sure the user cannot access sensitive information without logging in and the creation of the wallet system was given to Chenhao. The creation of the checkout, order confirmation, profile page, and the change of the new name and logo was given to Mavis. The creation of the menu page for the chef user and the design of the bidding system was given to Jessie. The creation of the customer, employee, and the comments page for the manager page was given to Peggy.

4/21/22 - Week 9

We slowed our development for the project and spent most of our time finishing the phase II of the report.

7. Github

<https://github.com/Charptr0/CSC322-OneBite>