Team Z
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Final Report

I. Introduction

The system was created using Python Flask. To run the restaurant system, take the following steps:

- Clone the restaurant repository with the following command:
  ```
  git clone git@github.com:suhaimaislam/restaurant.git
  ```
- Change to the directory where you clones the restaurant repository
- Create a virtual environment for this project and activate it:
  ```
  mkdir env
  python3 -m venv env
  source env/bin/activate
  ```
- Install the requirements: `pip install -r requirements.txt`
- Run the application as needed: `python app.py`

II. 1-1 Correspondence of System Features

Finished	Partially Done	Unable to Do it

System Feature 1
● Provide a GUI, not necessarily web-based,with pictures to show the descriptions of each dish and price
● Each registered customer/VIP has a password to login
● For new customers or visitors, the top 3 most popular dishes are listed on the first page.
● For new customers or visitors, the top 3 highest rated dishes are listed on the first page.
 	
System Feature 2
● A customer can choose to 1) pick up the dishes in person, or 2) by restaurant delivery.
	System Feature 2
	● For case 1)s/he can only complain/compliment the chef
	  ○ Partial: s/he can complaint/ compliment any of the employees
	System Feature 3
	● Delivery person can complain/compliment customers s/he deliver dishes.
	  ○ Partial: delivery person can complain/ compliment any customer
	
	System Feature 3
	● A customer can file complaints/compliments to the chef of the food s/he purchased and deliver to the person who delivered the
		System Feature 1
		● When they log in, based on the history of their prior choices, different registered customer/VIP will have different top 3 listing dishes
		
		System Feature 7
		● One complement can be used to cancel one complaint.
		
		System Feature 8
		● If the one with a higher asking price is chosen, the manager should write a memo in the system as justification.
		● The delivery person who didn't deliver any in the past 5 orders will automatically receive one warning.

System Feature 3
- All complaints/compliments are handled by the manager.
- The complained person has the right to dispute the complaint. The manager makes the final call to dismiss the complaint or let the warning stay and inform the impacted parties.
- Customers/delivery people whose complaints are decided to be without merit by the manager will receive one additional warning.

System Feature 4
- Registered customers having 3 warnings are de-registered.
  - NOTE: The system just gives the manager a message, letting them know whether a customer should be blacklisted, when a customer has 3 warnings. The manager has the option to edit customer information and blacklist them.
- VIPs having 2 warnings are put back to registered customers (with warnings cleared).
- The warnings should be displayed in the page when the customer logs in.

System Feature 5
- Every customer should deposit some money into the system.

dish or other customers who didn't behave in the discussion forums.
  - Partial: A customer can file complaints/complement for any chef or delivery person, and each employee can write complaint/compliment about any customer

System Feature 8
- The manager assigns the order from bidding results: the one with lowest delivery price is generally chosen.
  - Partial: The manager is able to assign an order to the delivery person from bidding results, but delivery cost is not correctly added to the customer's order.

System Feature 9
- Each team comes up with a creativity feature of the system to make it more exciting, e.g.,smart-phone based system, voice-based features, or efficient route planning for delivery,which is worth 10% of overall score of the final project

- If the price of the order is more expensive than the deposited money in the account, the order is rejected and the customer receives one warning automatically for being reckless.

System Feature 6
- Customers who are kicked out of the system or choose to quit the system will be handled by the manager: clear the deposit and close the account.
- Kicked-out customer is on the blacklist of the restaurant: cannot register any more.

System Feature 7
- The chef whose dishes received consistently low ratings (<2) or 3 complaints, will be demoted (less salary).
- A chef demoted twice is fired.
  - NOTE: The system just gives the manager a message, letting them know whether an employee should be demoted, promoted, or fired. The demotion and bonus amount and firing of employees are determined by the manager when they edit the employee information.
- The delivery people are handled the same way.

System Feature 8 ● The delivery people will compete to deliver the order by bidding.		

III. Team Contribution

Everyone contributed to various aspects of the project. There are no complaints.

- Suhaima Islam
- Gilianny Jimenez
- Humayara Karim
- Shahjalal Sikder
- Myat P. Aung

Bonus Points: As a team, we believe Suhaima deserves bonus points for the extra time and effort she put in for the project. She set up the repository and Flask environment in the beginning of March. Throughout March and April, she worked on the majority of the front-end and back-end development for system features 1, 3, and 5. She also created the database models for the 3 different types of users, and the user attributes. During April and May, she worked to help the other group members set up the repository. During May, she worked on the majority of the front-end and back-end development for system features 4 and 6.

Git Repo Address

https://github.com/suhaimaislam/restaurant

IV. (optional) remarks or suggestions

Needs a lot of user feedback to keep improving the application