

Requirement Engineering

1. Group No: Group No: 21

2. Group Members

Full Email	FirstName	Surname	Present (Y/N)
s1301812@live.hkmu.edu.hk	Joseph	Gutierrez	Y
s1313947@live.hkmu.edu.hk	N/A	Ashwin-Sundar	Y
s1341997@live.hkmu.edu.hk	Ming Yang	WANG	Y
s1269615@live.hkmu.edu.hk	Tung Chak	Lee	Y
s1289165@live.hkmu.edu.hk	Tin Lam	TO	Y
s1313071@live.hkmu.edu.hk	Jia Bao	Li	Y
s1289398@live.hkmu.edu.hk	Chun Yiu	Ng	Y
s1313567@live.hkmu.edu.hk	Cheuk Hin	Louie	Y
s1313803@live.hkmu.edu.hk	Yu Hin	Leung	Y
s1298721@live.hkmu.edu.hk	Yuhao	Fu	Y

GROUP 21 URL VIDEO SUBMISSION LINK:

[https://drive.google.com/file/d/1vJ-64njYMahYE_qf3CFFRqQrm9imVlrR/view]

3. Task

System Modelling for **your group project**

4. Synopsis

Your group has been appointed to create a selected project. In this activity, you will conduct system modelling activities.

- The members of the group will serve as the software engineering team.
- The group will **meet** to discuss the use cases and develop the use case diagram.
- Each member of the group will design a **sequence diagram** for **unique** use case.

5. Submission

- Please use this template for submission
- Submission Link: <https://forms.office.com/r/ufL86pGcTP>

6. Submit only one document

- One page for the use case diagram
- Each member will present their sequence diagram in a page

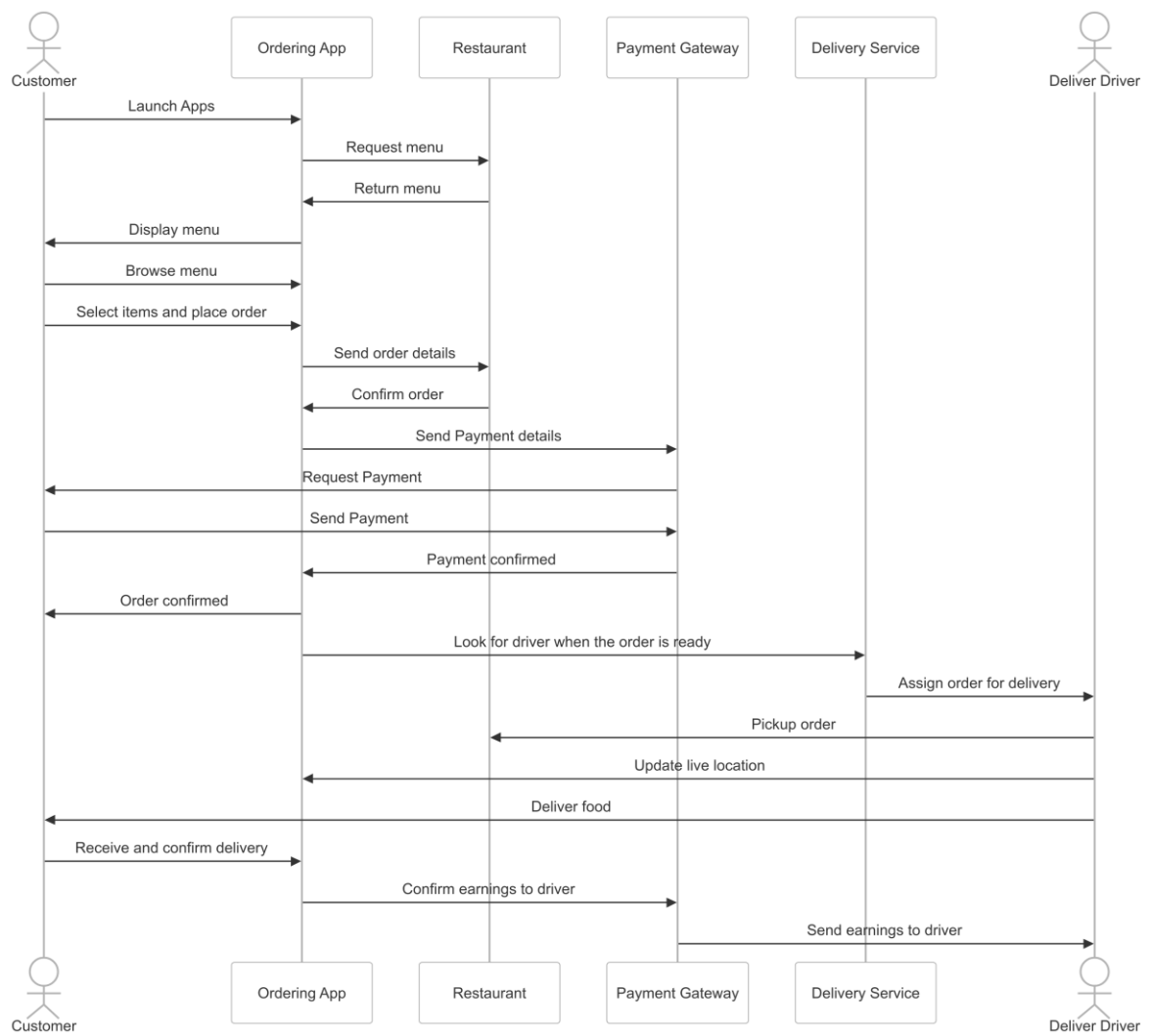
7. Submit the url/link of a video recording of the meeting conducted in English (just about 15mins snippet is OK)

Sequence Diagrams

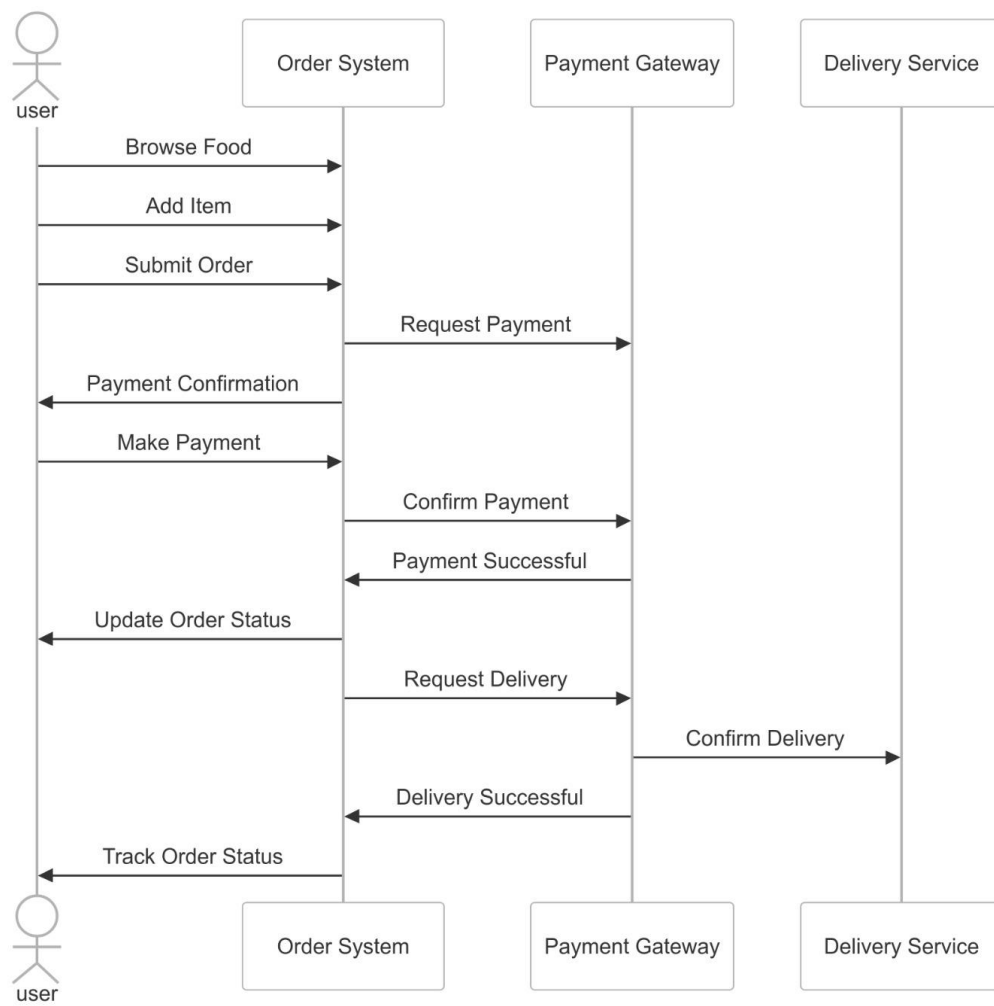
Below are the list order of Sequence Diagrams that are in chronological order with the video:

1. Leung Yu Hin (Gabriel)
2. Lee Tung Chak
3. Ashwin-Sundar
4. WANG Mingyang
5. Joseph James Gutierrez
6. Fu Yuhao(Colin)
7. Ng Chun Yiu
8. To Tin Lam
9. Li Jiabao
10. Louie Cheuk Hin

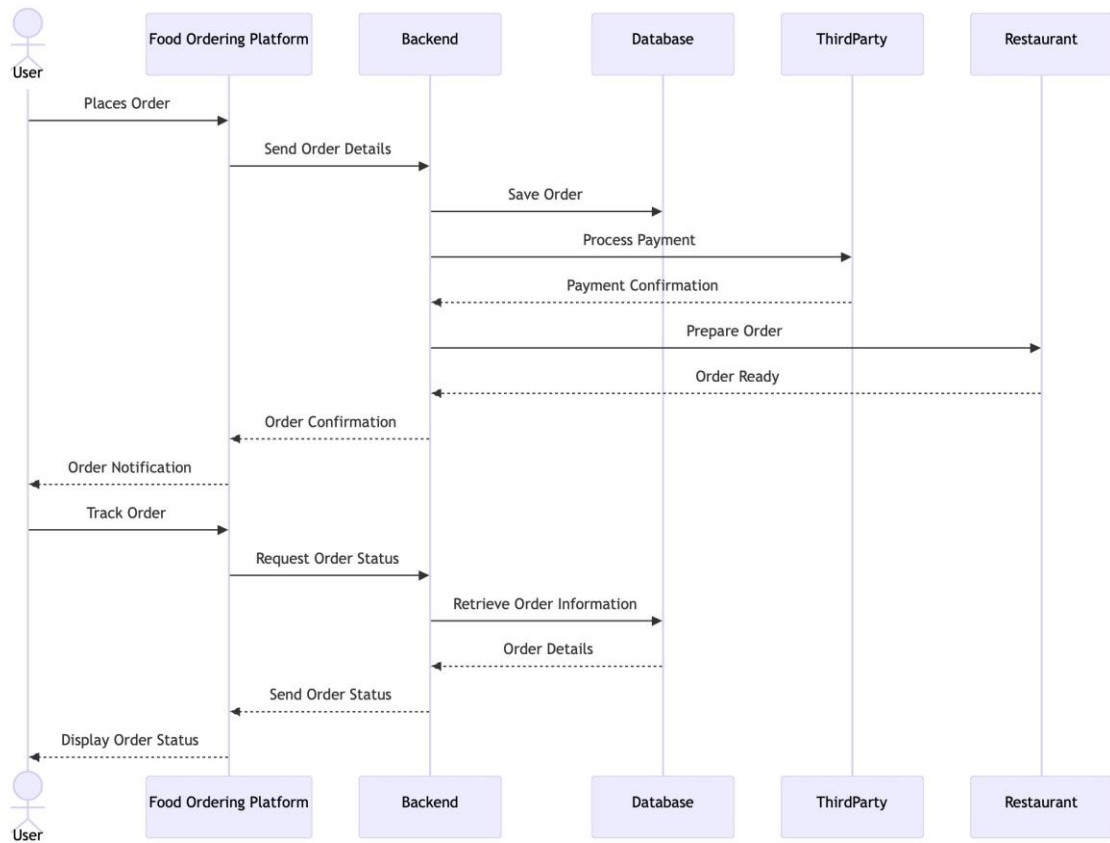
Leung Yu Hin (Gabriel)



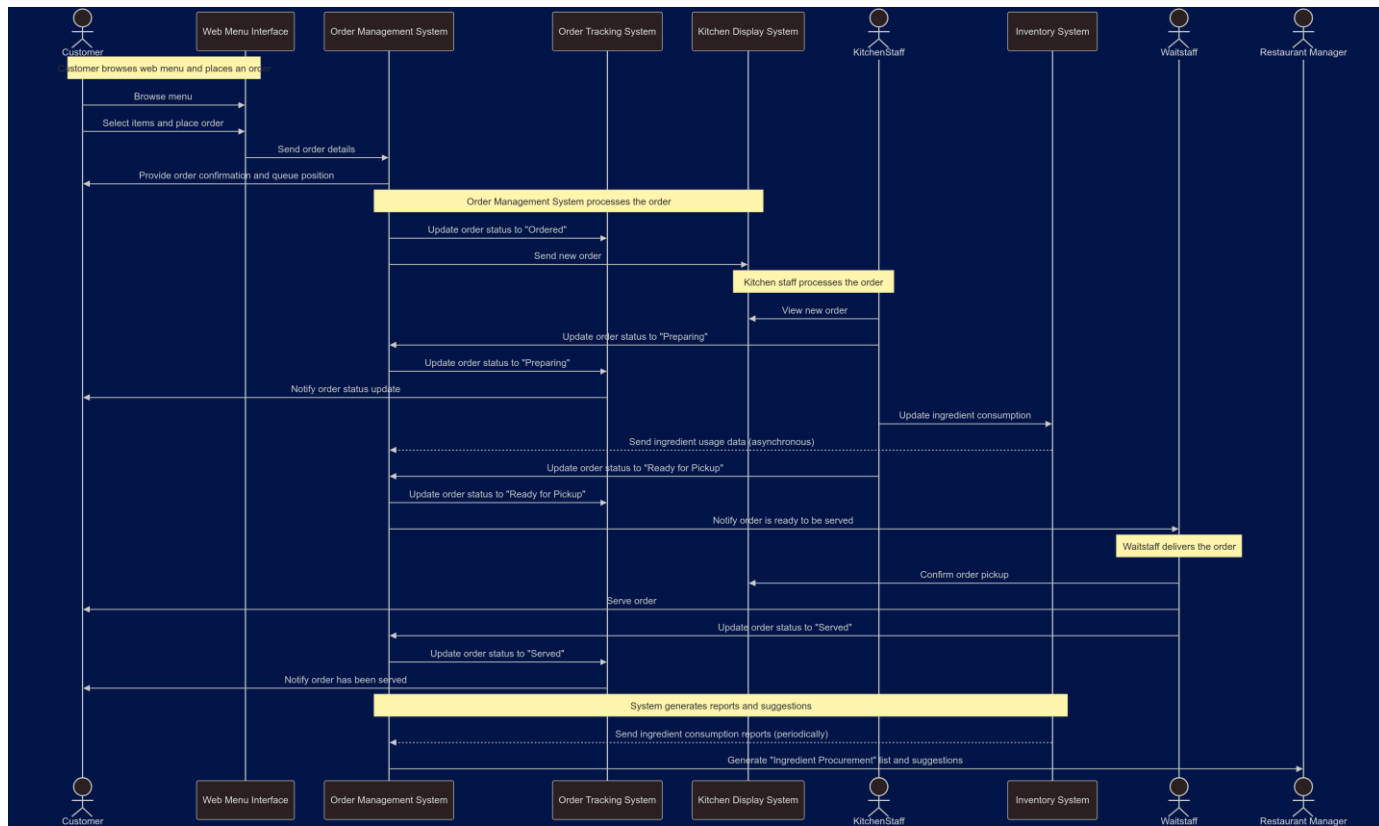
Lee Tung Chak



Ashwin-Sundar



WANG Mingyang



Recommendation System Sequence Diagram

Overview: This diagram outlines the food ordering app's recommendation system, which personalizes restaurant suggestions.

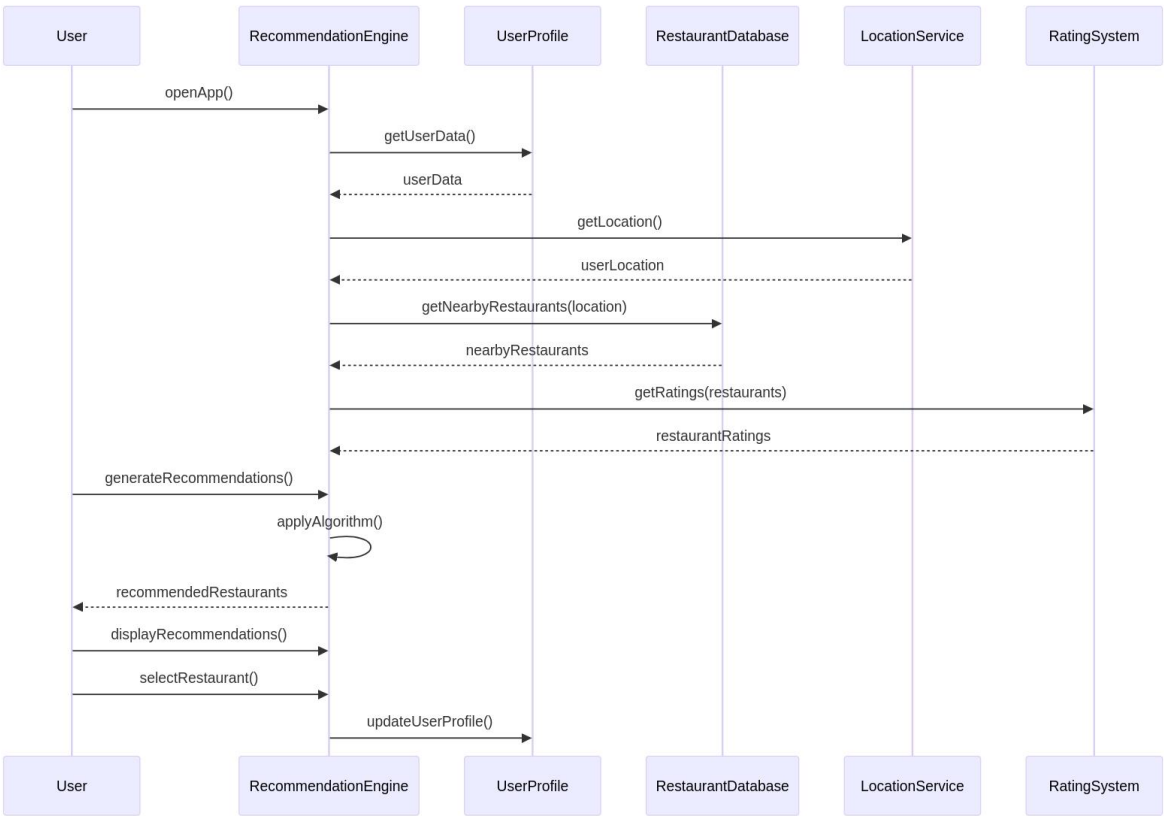
Key Steps:

- 1. **User Opens App:** Triggers the recommendation process.
- 2. **Retrieve User Profile:** Gathers past orders and preferences.
- 3. **Get Location:** Uses Location Service to find current user location.
- 4. **Query Nearby Restaurants:** Searches the Restaurant Database.
- 5. **Fetch Ratings:** Retrieves restaurant ratings from the Rating System.
- 6. **Generate Recommendations:** Combines all data to create personalized suggestions.
- 7. **Display Recommendations:** Shows options to the user.
- 8. **Update Profile:** Adjusts user profile based on selected restaurant.

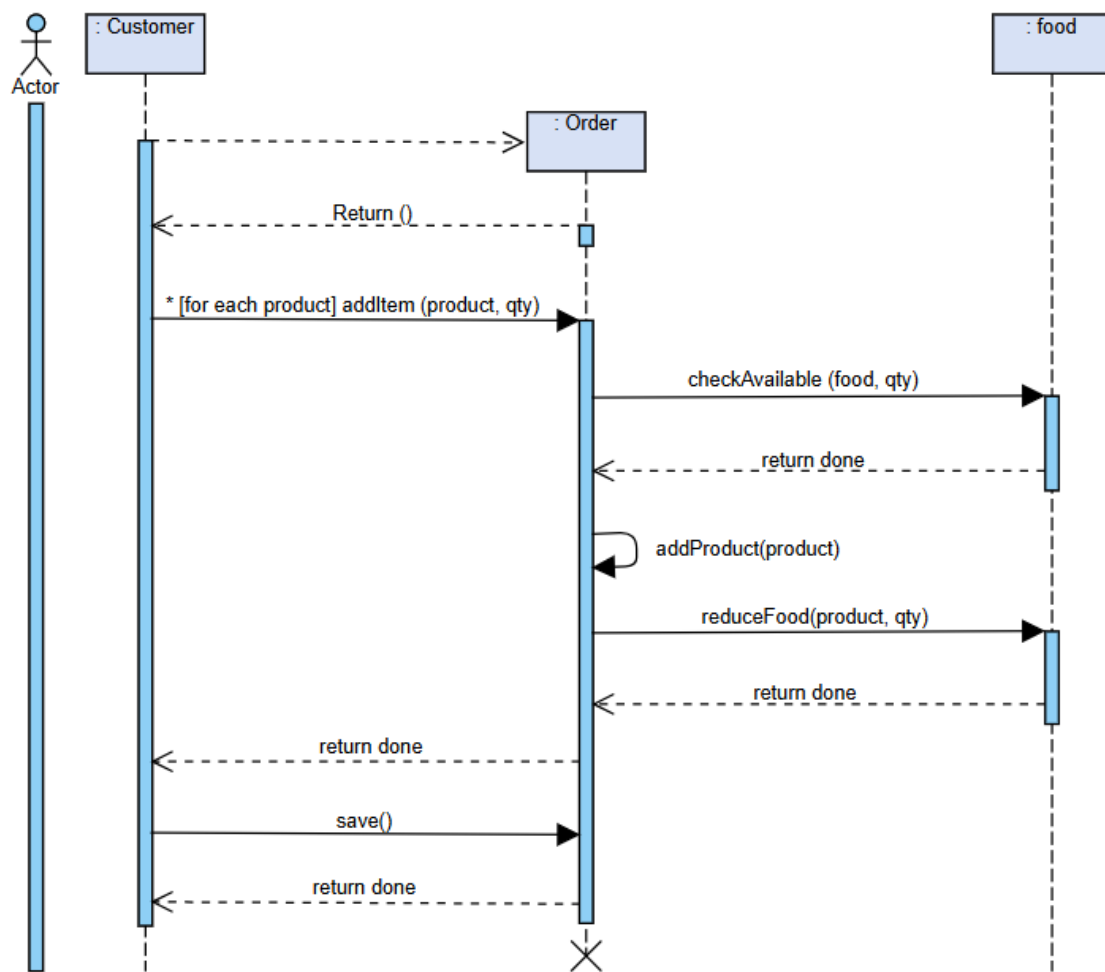
Benefits:

- **Personalization:** Tailored suggestions enhance user experience.
- **Location Awareness:** Relevant options based on current location.
- **Adaptive Learning:** Improves recommendations over time.

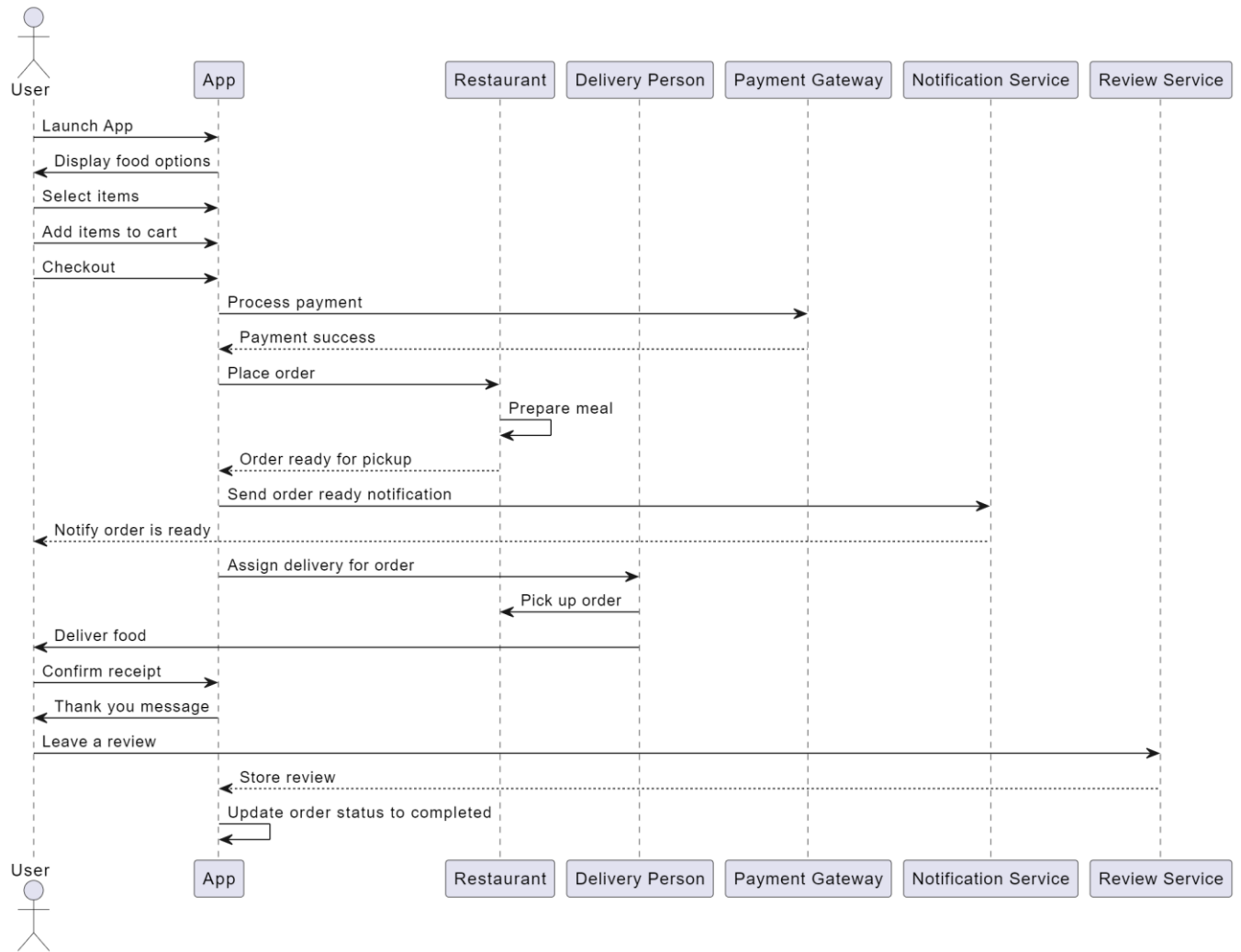
This system effectively enhances user engagement by delivering smart, relevant restaurant choices.



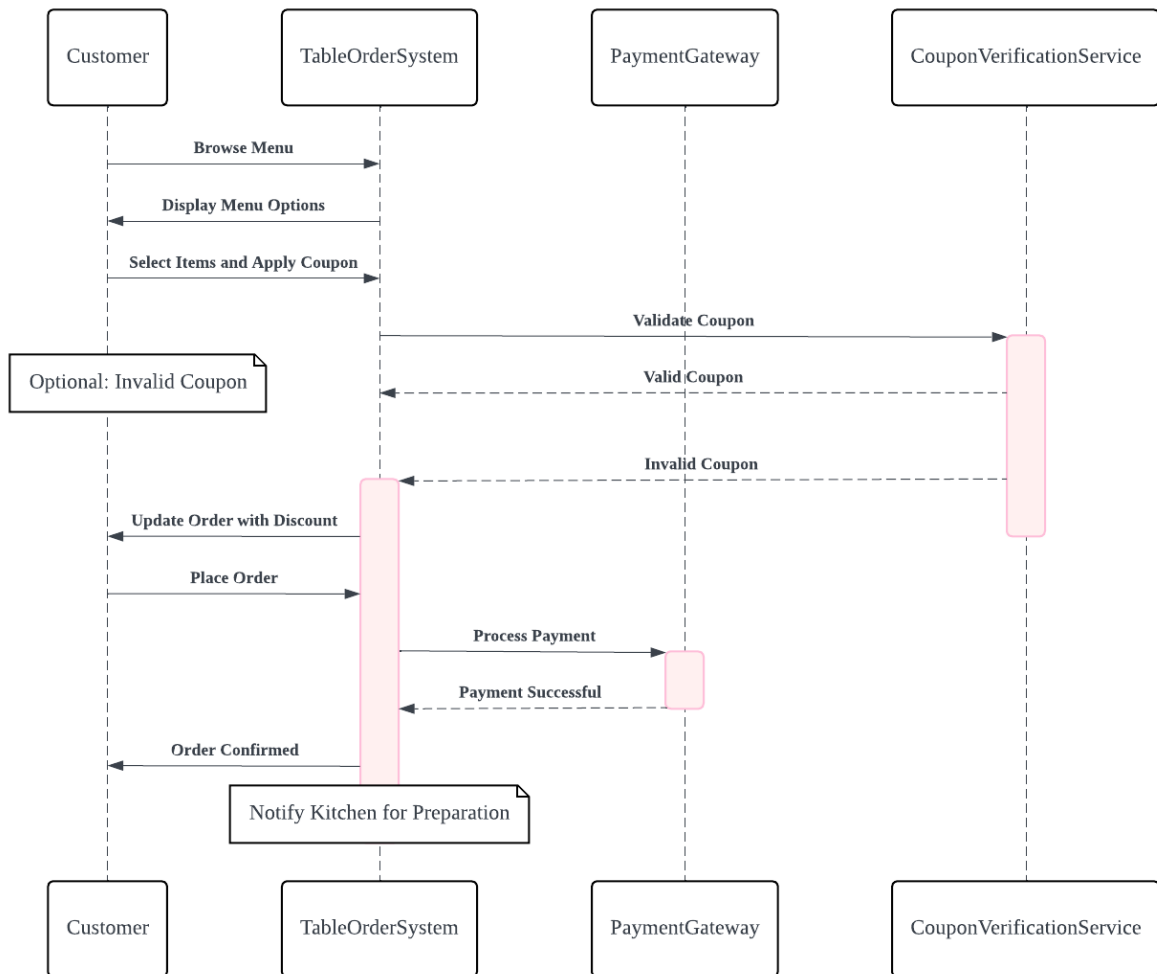
Fu Yuhao(Colin)



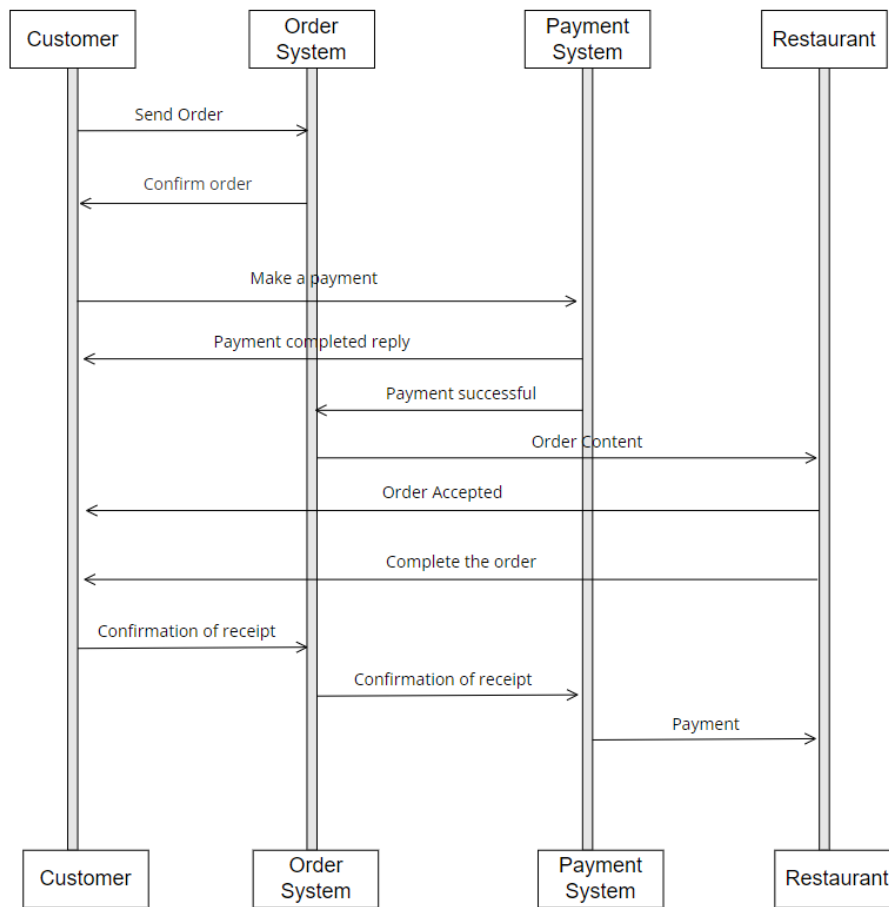
Ng Chun Yiu (Marco)



To Tin Lam



Li Jiabao



Louie Cheuk Hin

