

# Foodie Connector

## Sprint 3 Planning Document

Team 25: Zequan Wu, Shuqi Ma, Shiwen Xu, Xiaonan Shen

## Sprint Overview

### Overview

During this sprint, we are planning to finish up everything including follow friends, check out, tracking driver's real time location, etc. In addition, we are going to fix up the flaws that we made during the first two sprints. Furthermore, other than only completing the rest of the user stories, we will try our best to make the application more user friendly.

### Scrum Master

Xiaonan Shen

### Meeting Schedule

Every Tuesday and Thursday 10:00 am - 11:00 am

### Risks/Challenges

To start of, we will finish up the imcompleted user stories from sprint 2. In this sprint, we are finishing up all the user stories left. All user stories in this sprint are essential to the whole project. Therefore, we must figure out the logic first before actually implementing them, which will save lots of time. Furthermore, since this is the last sprint, we will have to adjust all the functions, user interfaces and etc as needed. This means that we are not having so much time on sprint 3. Start early and don't procrastinate.

# Current Sprint Detail

## User Story #26

As an order creator, I would like other users set themselves as ready before I could confirm the order so that we can make sure everyone has selected the items they want.

Sub-task	Estimated Time	Responsible Person
Create an API for other users to set themselves as ready	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to for other users to set themselves as ready	5h	Shiwen Xu
Create a user interface to show the status of each group member to the group creator	6h	Shuqi Ma

### Acceptance Criteria

- Given that the API is implemented, once the user confirmed the order, the status will be updated in the database.
- Given the user interface to confirm an order, the group member could confirm their order or cancel if they want to add/delete from their cart.
- Given that the user interface is implemented, group creator can see group members' status when their status changed and if they are ready to check out.

## User Story #27

As a user, I would like to see all nearby public orders that I can join.

Sub-task	Estimated Time	Responsible Person
Implement an API that returns all nearby public orders	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to view all nearby public orders	5h	Zequan Wu

### Acceptance Criteria

- Given that the API is implemented, when it is requested with an address, all nearby public orders will be returned.
- Given that the API is implemented, when returning results, it will only give orders that are nearby, public, and are able to join.
- Given that the API is implemented, when returning results, order address, join before, order members, and other details will be given.
- Given that the user interface is implemented, users will be able to see all nearby public orders.

## User Story #28

As a user, I would like to split the total cost so that I only pay the price and delivery fee proportional to the food chosen by me.

Sub-task	Estimated Time	Responsible Person
Implement an API for showing the price	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to show the price that the user need to pay	5h	Shiwen Xu

### Acceptance Criteria

- Given that the API is implemented, when requesting the API, the subtotal, tax, estimated delivery fee, and total will be returned.
- Given that the API is implemented, when returning the price, the estimated delivery fee will be based on the current number of members in the order and is subject to change.
- Given the user interface is implemented, a user could see the fee that he/she needs to pay

## User Story #29

As a user, I would like to follow friends.

Sub-task	Estimated Time	Responsible Person
Implement an API to following friends	1h	Xiaonan Shen
Implement an API to show a list of all friends	1h	Xiaonan Shen
Feature test for APIs	1h	Xiaonan Shen
Create a user interface to follow friends	5h	Shuqi Ma
Create a user interface to show all friends that have been followed in the friend list	6h	Shuqi Ma

### Acceptance Criteria

- Given that the API for following friends is implemented, when the API is requested, the friend information will be stored in the database
- Given the user interface is implement, users could follow other users by the email address without the permission from them.
- Given that the user interface for seeing following friends list, the user could see people who they are following and unfollow any of them.

## User Story #30

As a user, I would like to invite friends from the friend list to join the order.

Sub-task	Estimated Time	Responsible Person
Implement an API to send invitations to friends	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create user interface to invite friends from the friend list to join the order	5h	Shuqi Ma

### Acceptance Criteria

- Given that the API is implemented, when the API is requested, the friends will receive an email.
- Given that the API is implemented, one user will be send at most 10 emails per minute.
- Create user interface to invite friends from the friend list to join the order is implemented, users can invite friends from the followed friends lists or entering the email of the user to invite other users.

## User Story #31

As a user, I would like to track my order status.

Sub-task	Estimated Time	Responsible Person
Implement an API that gives the order status	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to track the order status such as preparing, on the way, etc.	5h	Shiwen Xu

### Acceptance Criteria

- Given that the API is implemented, when the API is requested, a list of all history statuses related to the order will be returned.
- Given that the API is implemented, when returning the statuses, the list will be sorted by time.
- Given that the user interface is implemented, users could see the order status such as preparing, out for delivery, completed, and etc.

## User Story #32

As a user, I would like to track my driver's real-time location.

Sub-task	Estimated Time	Responsible Person
Setup websocket	1h	Xiaonan Shen
Implement an API through websocket that gives the real-time location of the driver	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface for users to track driver's real-time location from a map	5h	Shiwen Xu

### Acceptance Criteria

- Given that the websock is setup, then backend will be able to push data to the frontend
- Given that the API is implemented, once the location of the driver is updated, it will push the location to the frontend.
- Given that the user interface is implemented, users could track the driver's real time location from a map

## User Story #33

As a user, I would like to rate the restaurants from which I've ordered.

Sub-task	Estimated Time	Responsible Person
Implement an API to rate restaurants	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to rate restaurants from which the user has ordered	5h	Zequan Wu

### Acceptance Criteria

- Given that the API is implemented, when it is requested, the order will be stored in the database.
- Given that the API is implemented, it will only allow users to rate the restaurants they have ordered.
- Given that the user interface to rate restaurants is implemented, users can rate their orders.

## User Story #34

As a user, I would like to see my order history so I could choose the same restaurant again easily.

Sub-task	Estimated Time	Responsible Person
Implement an API for showing order history	1h	Xiaonan Shen
Feature test for API	1h	Xiaonan Shen
Create a user interface to view order history	5h	Zequan Wu
Create a user interface to cancel unfinished orders created by the user	5h	Zequan Wu

### Acceptance Criteria

- Given that the API is implemented, when it is requested, a list of all history orders will be returned.
- Given the user interface to view order history is implemented, users can view past orders at userprofile page and enter the restaurant page by clicking on the name of restaurant. The currently unfinished orders will also be displayed in the order history.
- Given the user interface to cancel unfinished orders created by the user is implemented, users can cancel those unfinished orders.

## User Story #39

As an administrator, I would like to manage restaurants' menus.

Sub-task	Estimated Time	Responsible Person
Setup menu management in the dashboard	3h	Xiaonan Shen

### Acceptance Criteria

- Given that the management is setup, the administrator will be able to manage the product categories of a restaurant.
- Given that the management is setup, the administrator will be able to manage the products of a restaurant.
- Given that the management is setup, the administrator will be able to manage the product options of a restaurant.

## User Story #40

As a user, I would like to receive notifications when my order status updated.

Sub-task	Estimated Time	Responsible Person
Setup Pusher	1h	Xiaonan Shen
Implement backend events to trigger notifications	2h	Xiaonan Shen
Create user interface to view notifications	5h	Zequan Wu

### Acceptance Criteria

- Given that the OneSignal is setup, the backend will be able to push notifications to the frontend.
- Given that the backend events are implemented, when the order status is updated, all the order members will receive an notification.
- Given the user interface to view notifications is implemented, users can view notifications at the top bar.

## Sprint 2 Incomplete User Stories

### User Story #25

As an order creator, I would like to be the only user who confirms the order.

Create a user interface only for the order creator to check out the order	3h	Shiwen Xu
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### Acceptance Criteria

- Given that the user interface is implemented, users will be automatically redirected to the checkout page, which contains the list of items.

### User Story #18

As a user, I would like to create group orders.

Create a user interface to cancel the group order and the order becomes invalid	3h	Shuqi Ma
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### Acceptance Criteria

- Given that the user interface for canceling the created order, the user could choose to cancel the order from current restaurant and start a new one.

## Tools and Code Reviewing

Sub-task	Estimated Time	Responsible Person
Review and format each others code	8h (2h / person)	Zequan Wu, Shuqi Ma, Shiwen Xu, Xiaonan Shen
Adjust the user friendly UI functions	20(5h/person)	Zequan Wu, Shuqi Ma, Shiwen Xu, Xiaonan Shen

## Backlog

- ~~1. As a user, I would like to register for an account using my email address.~~
- ~~2. As a user, I would like to log in.~~
- ~~3. As a user, I would like to reset my password if I forget it.~~
- ~~4. As a user, I would like to save my address so that I don't have to type them in every time.~~
- ~~5. As a user, I would like to change my password.~~
- ~~6. As a user, I would like to change my email address.~~
- ~~7. As a user, I would like to have a general address based on my current geolocation so that I don't have to type in my address before I decide.~~
- ~~8. As a user, I would like to see the available restaurants, together with distance, estimated delivery time, order minimum, and delivery fee.~~
- ~~9. As a user, I would like to search for specific restaurants by name.~~
- ~~10. As a user, I would like to filter the restaurant list by category, distance, and estimated delivery time.~~
- ~~13. As a user, I would like to sort the restaurant list by distance, estimated delivery time, and rating.~~
- ~~16. As a user, I would like to see the menus for each available restaurants.~~
- ~~17. As a user, I would like to see sub options for each item on the menu.~~
- ~~18. As a user, I would like to create group orders.~~
- ~~19. As an order creator, I would like to generate a link of the order.~~
- ~~20. As an order creator, I would like to share the link to others using text messages, emails, or other third party applications.~~
- ~~21. As an order creator, I would like to generate a QR code of the order so that it will be more convenient for face-to-face sharing.~~
- ~~22. As an order creator, I would like to set the order to private so that only people who know the link or the QR code can see and join it.~~
- ~~23. As an order creator, I would like to set the order public so that it can be seen and joined by all nearby users.~~
- ~~24. As an order creator, I would like to set a time limitation in which other users can join the order.~~



- ~~25. As an order creator, I would like to be the only user who confirms the order.~~
- ~~26. As an order creator, I would like other users set themselves as ready before I could confirm the order so that we can make sure everyone has selected the items they want.~~
- ~~27. As a user, I would like to see all nearby public orders that I can join.~~
- ~~28. As a user, I would like to split the total cost so that I only pay the price and delivery fee proportional to the food chosen by me.~~
- ~~29. As a user, I would like to add friends.~~
- ~~30. As a user, I would like to invite friends from the friend list to join the order.~~
- ~~31. As a user, I would like to track my order status.~~
- ~~32. As a user, I would like to track my driver's real-time location.~~
- ~~33. As a user, I would like to rate the restaurants from which I've ordered.~~
- ~~34. As a user, I would like to see my order history so I could choose the same restaurant again easily.~~
- ~~35. As an administrator, I would like to login to a dashboard.~~
- ~~36. As an administrator, I would like to add restaurants.~~
- ~~37. As an administrator, I would like to update restaurants.~~
- ~~38. As an administrator, I would like to remove restaurants.~~
- ~~39. As an administrator, I would like to manage restaurants' menus.~~
- ~~40. As a user, I would like to receive notifications when my order status updated.~~
- ~~41. As a restaurant employee, I would like to see the detail of all active orders.~~
- ~~42. As a restaurant employee, I would like to update the status of orders.~~
- ~~44. As a user, I would like to save my payment information.~~
- ~~45. As a user, I would like to add food from the menu to my shopping cart.~~