

Foodie Connector

Sprint 2 Planning Document

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

Sprint Overview

Overview

During this sprint, we are planning to finish everything about showing menus and creating group orders. Also, we need to spend some time improve the structure of our code to avoid some merge conflicts. Besides, automatic tests are an important part of this sprint. We hope those tests can prevent us from destroying the finished functionalities.

Scrum Master

Xiaonan Shen

Meeting Schedule

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

Risks/Challenges

Since we still have some bugs and unimplemented user stories from sprint 1, we may spend first week to work on that. Therefore, we may have limited time to actually working on sprint 2 user stories. Besides, we are going to start the core functionalities of group orders. The logic could be complicated. We need to be very careful when we are implementing them. And we need a lot of tests to prevent bugs. To avoid the case of wasting time on rewriting some APIs and some frontend components, like we did in sprint1, we need to discuss the API interfaces before implementing everything.

Current Sprint Detail

User Story #16

As a user, I would like to see the menus for each available restaurants.

Sub-task	Estimated Time	Responsible Person
Implement an API that returns the menu of a specific restaurant	2h	Xiaonan Shen
Feature test - Test API with correct and incorrect restaurant IDs	1h	Xiaonan Shen
Create a user interface to view the menu of a restaurant	7h	Zequan Wu

Acceptance Criteria

- Given that the API that returns the menu of specific restaurant, when the API is called, the menu of the restaurant will be returned if exists.
- Given the user interface to view the menu of a restaurant is implemented, users can see the menu of restaurant after entering the restaurant page.
- Given that the user interface is implemented, users will be able to select the items they want.

User Story #17

As a user, I would like to see sub-options for each item on the menu.

Sub-task	Estimated Time	Responsible Person
Implement an API that returns the sub-options of a specific item	1h	Xiaonan Shen
Feature test - Test API with correct and incorrect item IDs	1h	Xiaonan Shen
Create a user interface to see sub-options for each item on the menu	4h	Zequan Wu

Acceptance Criteria

- Given that the API that returns the sub-options of a specific item, when the API is called, the sub-options of a specific item will be returned if exists.
- Given the user interface to view the menu of a restaurant is implemented, users can see the sub-options of a specific item on the menu.
- Given that the user interface is implemented, users will be able to select the sub-options they want.

User Story #45

As a user, I would like to add food to my shopping cart from the menu.

Sub-task	Estimated Time	Responsible Person
Implement an API for adding items to shopping cart	3h	Xiaonan Shen
Create a user interface to add food to user's shopping cart from the menu.	4h	Zequan Wu
Create a user interface to delete food from user's shopping cart.	2h	Zequan Wu

Acceptance Criteria

- Given that the API that, when the API is called, the added items will be updated in the database.
- Given the user interface to add food to user's shopping cart from the menu is implemented, users can add food to their shopping cart from the menu.
- Given the user interface to delete food from user's shopping cart is implemented, users can delete food from their shopping cart.

User Story #18

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

Sub-task	Estimated Time	Responsible Person
Implement an API for creating group orders	2h	Xiaonan Shen
Implement an API for canceling a group order	1h	Xiaonan Shen
Feature test - Test APIs for creating and canceling orders	2h	Xiaonan Shen
Create a user interface to generate a group order	5h	Shuqi Ma
Create a user interface to cancel the group order and the order becomes invalid	4h	Shuqi Ma

Acceptance Criteria

- Given that the API for creating group orders is created, when the API is called, a new group order record will be inserted into the database
- Given that the API for canceling a group order is created, when the API is called, the status of the order will be updated in the database.
- Given that the user interface for generating the group order, order creator could see the list of group member if others join in the order.(Only creator will showed for now)
- Given that the user interface for cancelling the group order, the order will become invalid and all the sharing methods become invalid.

User Story #19

As an order creator, I would like to generate a link of the order.

Sub-task	Estimated Time	Responsible Person
Add order link to the response of the API implemented in user story #18	1h	Xiaonan Shen
Create a user interface to show the order link that others could use to join specific order	5h	Shiwen Xu
Unit test - valid and invalid link	3h	Shiwen Xu

Acceptance Criteria

- Given that the API response is successfully added, when the API for creating group order is called, an order link will be returned in the response.
- Given that the user interface for generating a link of the order is implemented, when the user create a link of the order, an automatic generated link will be provided for the user.
- Unit Test for checking if the link is valid or not.

User Story #20

As an order creator, I would like to share the link to others using text messages, emails, or other third party applications.

Sub-task	Estimated Time	Responsible Person
Implement an API for sending order invitations to others via email	2h	Xiaonan Shen
Feature test - Test API with valid and invalid email address	1h	Xiaonan Shen
create a user interface that enables user to share the link via text messages, emails, or other third party applications.	6h	Shiwen Xu
Unit Test - valid link or invalid link	2h	Shiwen Xu

Acceptance Criteria

- Given that the API is implemented, when the API is called, an invitation email will be sent to the given address.
- Given that the API is implemented, the user will be allowed to send at most 10 emails per minutes.
- Given the user interface to share the order is implemented, when the user shares the link, a wicket shows up that contains different third party applications for user to share the order.
- Given the user interface to share the order through third parties, the other group members could receive the link from a specific third party.

User Story #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.

Sub-task	Estimated Time	Responsible Person
Implement an API for generating QR code	2h	Xiaonan Shen
Feature test - Test API with correct and incorrect order IDs	1h	Xiaonan Shen
create a user interface to show the QR code of the order	5h	Shiwen Xu
Unit Test - valid or invalid QR code	3h	Shiwen Xu

Acceptance Criteria

- Given that the API for generating QR code is implemented, when the API is called, the QR code will be generated and returned to frontend.
- Given that the API for generating QR code is implemented, when an incorrect order ID is provided, the server will response with an error.
- Given the user interface to show QR is implemented, users can see the QR code after the group order is created.
- Given the user interface to show QR code is implemented, users can join a group order by scanning a valid QR code.

User Story #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.

Sub-task	Estimated Time	Responsible Person
Implement an API that can set the order private	1h	Xiaonan Shen
Feature test - Test API with correct and incorrect order IDs	1h	Xiaonan Shen
Create a user interface to set the order to private	3h	Shuqi Ma
Unit Test - correct or incorrect setting	2h	Shuqi Ma

Acceptance Criteria

- Given that the API is successfully implemented, when the API is called, the order visibility will be updated in the database.
- Given that the API is successfully implemented, when an incorrect order ID is provided, the server will response with an error.

- Given the user interface to set the private order, the user will know the order is private and will not be displayed in the public order(implemented in the future).

User Story #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.

Sub-task	Estimated Time	Responsible Person
Implement an API that can set the order public	1h	Xiaonan Shen
Feature test - Test API with correct and incorrect order IDs	1h	Xiaonan Shen
Create a user interface to set the order public	3h	Shuqi Ma
Unit Test - correct or incorrect setting	2h	Shuqi Ma

Acceptance Criteria

- Given that the API is successfully implemented, when the API is called, the order visibility will be updated in the database.
- Given that the API is successfully implemented, when an incorrect order ID is provided, the server will response with an error.
- Given the user interface to set the public order, users will know that the order is public and could see the group order in the “public order list”(implemented in the future)

User Story #24

As an order creator, I would like to set a time limitation in which other users can join the order.

Sub-task	Estimated Time	Responsible Person
Implement an API that can set the time limitation of a group order	2h	Xiaonan Shen
Feature test - Test API with valid and invalid time	1h	Xiaonan Shen
Create a user interface to set time limitation in an order	4h	Shuqi Ma
Unit test - valid or invalid time limitation	3h	Shuqi Ma

Acceptance Criteria

- Given that the API for setting the time limitation,when the API is called, the order validation time will be updated in the database.
- Given the user interface to set the time limitation is implemented, the order creator could set a time limitation(in minutes and hour) for the validation time of the group order.

- Given the user interface to set the time limitation is functional, the order will become invalid after a period of time the order creator set.

User Story #25

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

Sub-task	Estimated Time	Responsible Person
Implement an API for confirming a group order	1h	Xiaonan Shen
Feature test - Test API with valid and invalid order IDs	1h	Xiaoann Shen
Create a user interface only for the order creator to check out the order	5h	Shiwen Xu

Acceptance Criteria

- Given that the API is implemented, when the API is called, the confirmed order status will be updated in the database.
- Given the user interface to check out the order, when the user click the “check out” button, a user-friendly message of whether the check out succeeds will be shown.
- Given the user interface to check out the order, if the check out process is successful, the user will be redirected to a new page which contains a list of selected orders.

Sprint 1 Incomplete User Stories

User Story #3

As a user, I would like to reset my password if I forget it.

Create a user interface for resetting password on the web client	2h	Shuqi Ma
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Acceptance Criteria

- Given that the verification code received and enter the code in the specific input area, the user could enter the new password and confirm the resetting.

User Story #4

As a user, I would like to save my address so that I don't have to type them in every time.

Create a user interface for editing addresses	2h	Shuqi Ma
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Acceptance Criteria

- Given that the user interface for editing addresses is implemented, users can edit their address and submit the updated address.

User Story #44

As a user, I would like to save my payment information.

Create a user interface for editing payment methods	3h	Zequan Wu
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Acceptance Criteria

- Given that the user interface for payment methods is implemented, users can edit expiration month, expiration year, zip code and nickname of the credit card, and submit the updated payment methods.

User Story #9

As a user, I would like to search for specific restaurants by name.

Add search bar in user story #8 user interface	4h	Zequan Wu
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Acceptance Criteria

- Given that the search bar added in user interface, users can filter restaurants by entering the name of restaurants.

User Story #10

As a user, I would like to filter the restaurant list by category, distance, and estimated delivery time.

Create a user interface for view the filtered restaurant list returned by the server	6h	Zequan Wu
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Acceptance Criteria

- Given that the user interface for view the filtered restaurant list, users can filter restaurants by category, distance and estimated delivery time.

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

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.~~