

Foodie Connector

Sprint 2 Retrospective

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

What went well?

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

Completed:

We have completed the most important part of this project, menus. After implementing this user story, users are able to browse the menu of desired restaurants, listed on the main page. The backend would return the corresponding menu, with various categories, of a specific restaurant to the frontend. Therefore, categories make it easier for users to browse and choose items.

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

Completed:

We have completed the sub-options for each item on the menu. For example, if a user chooses a bubble tea, the sub-option will include size, sweetness, bubbles, ice and etc. With this user story completed, users could make their order more efficient and accurate.

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

Completed:

The selected items will be sent back to the backend and updated in the database. Additionally, the user interface also updates the items selected in the shopping cart. Furthermore, the user interface also allows users to delete item from the 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

Completed:

When users create group orders, the new group order record will be stored in the database. A dialog, containing all options for users to choose, will pop up.

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
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Completed:

We put the share link button in the creating group order page. Within that, users could share the link after creating a group order. The link will be generated in the backend and returned to the frontend. The frontend shows the link when users click the button.

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

Completed:

We have successfully created the user interface to share the generated link through the third party application such as facebook, twitter, and emails. Users are able to share the link without intentionally open another browser.

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

Completed:

This function allows users to join a group order in a more efficient way. When the users would like to share the group order via QR code, the image of the QR code will be generated from backend and sent as a link to the frontend. Frontend shows the QR code to the user if the group order actually exist. Or else there is nothing in the dialog.

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

Completed:

Users are allowed to set the order visibility while creating a group order. When the order is set to be private, the order visibility will be stored in the database. However, if the restaurant is not open at the current time, a group order cannot be created. Moreover, after the private group order is created, users could share the group order via link, third party application or QR code.

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

Completed:

Users can set the group order to public so that it can be seen and joined by all nearby users. When the order is set to be public, the order visibility will be stored in the database.

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	2h	Xiaonan Shen

group order		
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

Completed:

After implementing the time limitation option, the users can set the group joining time in the range from 10 minutes up to 2 hours. When the time is set, the order validation time will be updated in the database. After passing the time limitation, the group order will be automatically expired and cannot be joined any longer.

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

Completed:

The status of an order will updated in the database if the order has successfully confirmed. It returns errors if the user needs authentication or the ID is wrong.

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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Completed:

We have completed search for specific restaurants by name by fixing the bugs in sprint 1. As the user typing letters, the restaurant list will be filtered so that only those restaurants whose name contains all the letters of user input.

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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Completed:

Users can filter restaurants by category, distance and estimated delivery time in the front of the restaurant page and obtain the desired restaurant.

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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Completed

Users could revise the address directly from the saved address confirm their changed and refresh to see the update directly delete the address is not used anymore.

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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Completed:

Users could edit expiration month, expiration year, zip code, nickname and is_default of the credit card, and submit the updated payment methods.

What did not go well?

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	5h	Shiwen Xu
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Not Completed

We have not created a proper user interface for users to confirm the order. Additionally, the the checkout page does not contain the list of order either. This can be done quickly.

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.

create a user interface that enables user to share the link via text messages, emails, or other third party applications.	6h	Shiwen Xu
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Not Completed

This function was completed in the frontend. However, the backend has implemented the function for users to send invitation email to other people. This can be fixed in a short time.

User Story #18

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

Create a user interface to cancel the current group order and the order becomes invalid	4h	Shuqi Ma
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Not Completed

The user is supposed to see the already created group order lists and choose to cancel anyone of it directly, this problem could be solved not that difficult.

How should we improve?

We finished most of the tasks of Sprint 2. However, there are still plenty of bugs and problems. The main issue of our project is that we did not start as early as we can. This resulted that our project did not work perfectly. Not only that, starting project late has a higher probability that we cannot successfully merge our work together. Additionally, what we really need is striving for excellence.

First of all, starting project late doesn't allow us to inspect errors and fix them in the given period of time. We made the same mistake as the last time. The reason might be because we lost our alertness on learning new languages, frameworks and etc. As we got more and more familiar with the procedure, we relaxed and naively believe that we would finish up any ways. This is fatal. The only way to solve it is by ourselves. As a group, we need consistently keep pushing each other, making sure that everyone is actually on duty. This could prevent cramming and pulling all-nighter until the last week. On the other hand, we could be able to make more time to inspect possible errors and focus on testing the latest version of the project, rather than being busy at solving conflicts and some unsure revision before the review.

Furthermore, not striving for excellence is also a result of being procrastinate, as we don't have enough time to be perfect. The basic features are implemented, while user-friendly UI is still necessary to be considered. We are aiming to developing a daily using website, which should be accomplished with easier interaction. Therefore we are supposed to design our future features based more on user's angle and consider from an overall way. And we would finish the features as soon as possible, then spend more time merging and adjusting our using experience to improve our future features' completeness. Apparently, if all applications have the same function, users would like to choose the one which is easy and pleasurable to use. Our project should be more competitive in this aspect.

Overall, our problem is pretty obvious and it depends on how we are going to change. And one of the most important aspect is that we should make plans and consider and design our future features comprehensively. If we could overcome procrastination and more systematically, we could definitely do better in the next sprint.