

Group Project Report

Group name: JDB

Group member:

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Final Back Log

Group: JDB

I.Milestone1

Part 1:

As a customer, I want to be able to choose different type and number of buns and patties as well as other ingredients to customize my own burger and be able to choose other sides or drinks if I want. And then I can check out and get my own order-id so I can check the state of my order at any time and collect the food if the order is ready.

ID	US1
Name	Mains choosing
Description	As a customer, I would like to be able to choose different type and number of buns and patties as well as ingredients so that I can create the burger that suits my appetite best.
Acceptance Criteria	<ul style="list-style-type: none"> -A customer is able to choose the type and number of buns or patties by clicking on the 'type and number' link. a list is shown after clicking, and different choices are listed (e.g 3 sesame, 2 muffin). - A customer is able to choose the type and number of patties after finishing choosing certain buns by clicking on the type button, a list is shown after clicking, and different choices are shown (e.g 3 chicken, 2 vegetarian, 1 beef). -The maximum allowable number of buns and patties is certain; a customer is restricted to the maximum allowable quantity. -Each of the mains has a base price, each ingredient has a certain price, and they are all displayed to the customer below the mains or ingredient image. -After the creation of the burger, a total price of the burger is displayed to the customer.
Priority	2
Size	4 story points (1 point = ½ day)

ID	US2
Name	Add other Sides and drinks if needed
Description	As a customer, I would like to add some other Sides and Drinks so that I can have some other food and quench my thirst.
Acceptance Criteria	<p>-A customer can click on the 'checkout' link if he or she does not want any sides or drinks and he or she will be directly leaded to checkout page.</p> <p>-A customer is able to choose different size of sides or drinks, via the 'size' link below every side or drink.</p> <p>-The total price including the burger is displayed to the customer when the customer is making choices. The total price varies while customer is clicking on different Sides and Drinks</p> <p>-Once finishing choosing the Sides and Drinks, the customer can click on the checkout link to go to the checkout page</p>
Priority	3
Size	3 story points (1 point = ½ day)

ID	US3
Name	Getting the Order ID after payment
Description	As a customer, I would like to have my order ID after payment so that I can check the state of my order at any time.
Acceptance Criteria	<p>A customer can type in his order ID into the order ID search box at the top of the home page to obtain the information of his or her order.</p> <p>The Information page of the certain Order ID contains the information of the total price, the estimated meal taking time, the customer name and a receipt listing the price of each food.</p> <p>Once the order is ready to collect, an information of 'Your order is ready!' is displayed in the middle of the order information page.</p> <p>An order cancel link is provided for the customer in the first five minutes of the confirmation of the order</p>
Priority	3
Size	2 story points (1 point = ½ day)

Part2:

As a Staff, I want to view the current orders at any point in time and be able to update the status of the order to indicate that the order is available for pickup by the customer once a customer's order has been cooked.

ID	US1
Name	View Orders
Description	As a staff, I want to view the current orders in the online application so that I can have a general overview of the current orders and make the updates later.
Acceptance Criteria	<p>Staff is able to log in successfully into the online application by providing a valid work username and correct password and view the current orders</p> <p>If no order received, a message is displayed to the staff: "No order received. Please check again later."</p> <p>The page will list all of the current orders in the order of order time. The earliest order would be displayed on the top while the latest would be on the bottom.</p> <p>Staff can click on any order from the display order list to obtain an abstract about the order details.</p>
Priority	2
Size	2 story points (1 point = ½ day)

ID	US2
Name	Update Orders
Description	As a staff, I want to update the status of the order to indicate that the order is available for pickup by the customer so that the customers could pick up their orders on time
Acceptance Criteria	<p>Staff is able to update the status of the order by clicking on "Update to cooked"</p> <p>If the status has been updated, the customer would be able to see the status of his order change to "Available to pickup" at their end when they refresh their page</p> <p>If the order has not been cooked or there are some problems with the order but the staff update the status by mistake, staff could correct the status back to "Cooking" by clicking on "Withdraw". A message would be displayed to the customer: "So sorry, the order is not available yet. Please wait for another minute." when they refresh their page</p> <p>If the order has been picked up by the customer, this order will disappear from staff orders menu by clicking "Order Finished"</p>
Priority	3
Size	4 story points (1 point = ½ day)

Part3:

As a staff, I want to be able to check the inventory and refill the stock.

This is an epic story which can be broken into two small user stories.

ID	US1
Name	check the inventory
Description	As a staff, I would like to be able to check the inventory of different ingredients, so that I will be able to refill the stock in time.
Acceptance Criteria	<p>A staff is able to get access to the inventory by providing a valid-user name and password and be directed to inventory page.</p> <p>If the provided username or password is invalid, a suitable error message must be displayed on the page.</p> <p>The inventory must clearly display the stock of various ingredient. If a customer places an order, the amount of corresponding ingredients displayed on the inventory page should decrease.</p> <p>Various ingredients are stocked in different specifications. Bottled drinks are stocked in cans(275ml) and bottles(600ml). Drinks are stocked in different sizes (small = 250ml, medium = 450ml). And fries are served by weight (small = 75g, medium = 125g).</p> <p>If the stock of one ingredient is zero, the inventory page will display 'empty'. And the customers will not be able to choose that item.</p>
Priority	5
Size	4 story points (1 point = ½ day)

ID	US2
Name	Refill the stock periodically
Description	As a staff, I'd like to be able to refill the stock periodically, so that I'll be able to maintain the inventory.
Acceptance Criteria	<p>If the stock of one ingredient is empty, the inventory page should display 'out of stock' to notice the staff to refill it.</p> <p>If the stock is full, the inventory should print a suitable error message if a staff wants to refill the stock.</p> <p>A periodical message should be displayed on the inventory page in order to inform the staff to check the stock and get it refilled timely</p>
Priority	4
Size	4 story points (1 point = ½ day)

II.Milestone2

Red=delete, yellow=change

Part1:

As a customer, I want to be able to customize my own burger and be able to choose other sides or drinks if I want. And then I can check out and get my own order-id so I can check the state of my order at any time and collect the food if the order is ready.

ID	US1
Name	Mains choosing
Description	As a customer, I would like to be able to customize the burger or wrap by choosing different type and number of buns and patties as well as ingredients so that the burger or wrap can suit my appetite best.
Acceptance Criteria	<p>-A customer will be directed to customizing page after clicking on the 'customize" button</p> <p>-A customer is able to choose the type and number of buns or patties by clicking on the 'type and number' link. a list is shown after clicking, and different options are listed (e.g 3 sesame, 2 muffin).</p> <p>-The maximum allowable number of buns and patties is certain; a customer is restricted to the maximum allowable quantity.</p> <p>-If the number of ingredients ordered exceeds the limited amount, an error message should be showed on the page.</p> <p>-After the creation of the burger or wrap, the total price of the burger or wrap will be showed on the page..</p>
Priority	2
Size	4 story points (1 point = ½ day)

ID	US2
Name	Add other Sides and drinks if needed
Description	As a customer, I would like to add some other Sides and Drinks so that I can have some other food and quench my thirst.
Acceptance Criteria	<p>-A customer who does not want order any sides or drinks will be directed to the checkout page after clicking on the 'checkout' button</p> <p>-A customer is able to choose different size of the sides or drinks (small, mid, large), via the 'size' link below every side or drink.</p> <p>-After clicking on the 'size' button, the customer will be directed to choose size.</p> <p>-The total price including the burger or wraps will be showed to the customer when the customer is making choices. The total price varies while customer is clicking on different Sides and Drinks</p> <p>-Once finishing choosing the Sides and Drinks, the customer can click on the checkout link to go to the checkout page</p>
Priority	3
Size	3 story points (1 point = ½ day)

ID	US3
Name	Payment and get order-id
Description	<p>As a customer, I would like to checkout so that I can get an order-id and pick up my meal.</p>
Acceptance Criteria	<p>-A customer can pay his meal by clicking on the 'check-out' button and will be directed to payment page.</p> <p>-After the payment approved, the system will be directed to the one page show the customers' information(name, order id information)></p> <p>-A customer can type in his order ID into the order ID search box at the top of the home page to obtain the information of his or her order.</p> <p>-The Information page of the certain Order ID contains the information of the total price, the estimated meal taking time, the customer name and a receipt listing the price of each food.</p> <p>-Once the order is ready to collect, an information of 'Your order is ready!' is displayed in the middle of the order information page.</p> <p>-An order cancel link is provided for the customer in the first five minutes of the confirmation of the order</p>
Priority	5
Size	5 story points (1 point = ½ day)

Part2:

As a Staff, I want to view the current orders at any point in time and be able to update the status of the order to indicate that the order is available for picking up by the customer once a customer's order has been cooked.

ID	US1
Name	View Orders
Description	As a staff, I want to view the current orders in the staffpage so that I can have a general overview of the current orders and make the updates later.
Acceptance Criteria	<p>-Staff is able to log in successfully into the online application by providing a valid work username and correct password and view the current orders</p> <p>-If no order received, a message is displayed to the staff: "No order received. Please check again later."</p> <p>-The page will list all of the current orders in the order of order time. The earliest order would be displayed on the top while the latest would be on the bottom.</p> <p>-Staff can click on any order from the display order list to obtain an abstract about the order details.</p>
Priority	2
Size	2 story points (1 point = ½ day)

ID	US2
Name	Update Orders
Description	As a staff, I want to update the status of the order to indicate that the order is available for pickup by the customer so that the customers could pick up their orders on time
Acceptance Criteria	<p>-Staff is able to update the status of the order by clicking on "Update to cooked"</p> <p>-If the status has been updated, the customer would be able to see the status of his order change to "Available to pickup" at their end when they refresh their page</p> <p>-If the order has not been cooked or there are some problems with the order but the staff update the status by mistake, staff could correct the status back to "Cooking" by clicking on "Withdraw". A message would be displayed to the customer: "So sorry, the order is not available yet. Please wait for another minute." when they refresh their page</p> <p>-If the order has been picked up by the customer, this order will disappear from staff orders menu by clicking "Order Finished"</p>
Priority	3
Size	4 story points (1 point = ½ day)

Part3:

As a staff, I want to be able to check the inventory and refill the stock.
This is an epic story which can be broken into two small user stories.

ID	US1
Name	check the inventory
Description	As a staff, I would like to be able to check the inventory of different Ingredients (burgers, wraps, ingredients, sides, drinks), so that I will be able to refill the stock in time.
Acceptance Criteria	<p>A staff is able to get access to the inventory by clicking on the 'inventory' button in the staff page.</p> <p>If the provided username or password is invalid, a suitable error message must be displayed on the page.</p> <p>The inventory must clearly display the stock of various ingredient. If a customer places an order, the amount of corresponding ingredients displayed on the inventory page should decrease.</p> <p>Some ingredients are stocked in different specifications. Fries are served and stocked by size (small, medium, large).</p> <p>If the stock of one ingredient is zero, the inventory page will display 'empty'. And the customers will not be able to choose that item.</p>
Priority	5
Size	4 story points (1 point = ½ day)

ID	US2
Name	Refill the stock periodically
Description	As a staff, I'd like to be able to refill the stock periodically , so that I'll be able to maintain the inventory.
Acceptance Criteria	<p>-If the stock of one ingredient is empty, the inventory page should display 'out of stock' to notice the staff to refill it.</p> <p>-If the stock is full, the inventory should print a suitable error message if a staff wants to refill the stock.</p> <p>-A periodical message should be displayed on the inventory page in order to inform the staff to check the stock and get it refilled timely</p>
Priority	4
Size	4 story points (1 point = ½ day)

Summary:

Part1:

1. simplify the instruction of part 1

US1:

1. Prefect the description of US1
2. Add an acceptance criteria about the customize button
3. Add an acceptance criteria about exceed limited amount error message

US2:

1. Prefect the acceptance criteria1
2. Add an acceptance criteria about the size button
3. Add word wrap in acceptance criteria3

US3:

1. simplify the description of US3
2. Add an acceptance criteria about checkout button
3. Add an acceptance criteria about information page

Part2:

1. Correct the grammar mistake in instruction.

US1:

1. delete the acceptance criteria1 about login

US2:

1. delete the acceptance criteria3 about if order not cooked

Part3:

US1:

- 1.Change the acceptance criteria1 of entering staff page
- 2.Delete the acceptance criteria2 about invalid password or username.
- 3.Change the acceptance criteria4 about stock in different specification

US2:

- 1.Prefect the description of US2

Milestone 3:

Red=delete, yellow=change

Part1:

As a customer, I want to be able to customize my own burger and be able to choose other sides or drinks if I want. And then I can check out and get my own order-id so I can check the state of my order at any time and collect the food if the order is ready.

ID	US1
Name	Mains choosing
Description	As a customer, I would like to be able to customize the burger or wrap by choosing different type and number of buns and patties as well as ingredients so that the burger or wrap can suit my appetite best.
Acceptance Criteria	<ul style="list-style-type: none"> -A customer can enter the main order page by clicking on the 'main' button on the bar -A customer will be directed to customizing page after clicking on the 'order' button of custom burger or wrap -A customer can order base burgers or wraps by clicking on the 'order' button of base-burger and base-wrap -A customer can change the quantity of base burgers and wraps and finish ordering them by clicking the 'make booking' button. -A customer can choose the type and number of buns or patties by changing the number in quantity column (e.g. 3 sesame, 2 muffin). -A customer can finish customizing by clicking 'make booking' button -The maximum allowable number of buns and patties is certain; a customer is restricted to the maximum allowable quantity. -If the number of ingredients ordered exceeds the limited amount, an error message should be showed on the page. -After clicking the 'make booking' button, the customer will be directed to my order page where his order and price is shown. He can checkout or continuing order sides or drinks.
Priority	2
Size	4 story points (1 point = ½ day)

ID	US2
Name	Add other Sides and drinks if needed
Description	As a customer, I would like to add some other Sides and Drinks so that I can have some other food and quench my thirst.
Acceptance Criteria	<p>-A customer who does not want to order any sides or drinks will be directed to the checkout page after clicking on the 'checkout' button</p> <p>-A customer can be directed to the sides page by clicking the 'sides' button on the bar.</p> <p>-A customer can be directed to the drinks page by clicking the 'drink' button on the bar</p> <p>-A customer is able to choose different types of sides or drinks by changing the quantity of different sides and drinks (e.g. nugget, large fries, medium fries, small fries etc)</p> <p>-Once finishing choosing the Sides and Drinks, the customer can click on the checkout link to go to the checkout page</p> <p>-The total price including the burger or wraps will be showed to the customer on the checkout page.</p>
Priority	3
Size	3 story points (1 point = ½ day)

ID	US3
Name	checkout and get order-id
Description	As a customer, I would like to checkout so that I can get an order-id and pick up my meal.
Acceptance Criteria	<p>-A customer can pay his meal by clicking on the 'check-out' button and will be directed to checkout page.</p> <p>-After the payment approved, the system will be directed to the one page show the customers' information (name, order id information)></p> <p>-A customer will be asked for their name when checkout.</p> <p>-The checkout page of the certain Order ID contains the information of the total price, customer name, and a receipt listing the price of each food.</p> <p>-A customer can check their status of their order by clicking on the 'refresh' button</p>
Priority	5
Size	5 story points (1 point = ½ day)

Part2:

As a Staff, I want to view the current orders at any point in time and be able to update the status of the order to indicate that the order is available for picking up by the customer once a customer's order has been cooked.

ID	US1
Name	View Orders
Description	As a staff, I want to view the current orders in the staff page so that I can have a general overview of the current orders and make the updates later.
Acceptance Criteria	<p>-If no order received, a message is displayed to the staff: "There is no order yet"</p> <p>-The page will list all of the current orders in the order of order time. The earliest order would be displayed on the top while the latest would be on the bottom.</p> <p>-Staff can click on any order from the display order list to obtain an abstract about the order details.</p>
Priority	2
Size	2 story points (1 point = ½ day)

ID	US2
Name	Update Orders
Description	As a staff, I want to update the status of the order to indicate that the order is available for pickup by the customer so that the customers could pick up their orders on time
Acceptance Criteria	<p>-Staff is able to update the status of the order by changing Preparing to Ready and then click on the edit page</p> <p>-If the status has been updated, the customer would be able to see the status of his order change to “your food is ready” at their end when they refresh their page</p> <p>-If the order has been picked up by the customer, this order will disappear from staff orders menu”</p>
Priority	3
Size	4 story points (1 point = ½ day)

Part3:

As a staff, I want to be able to check the inventory and refill the stock.
This is an epic story which can be broken into two small user stories.

ID	US1
Name	check the inventory
Description	As a staff, I would like to be able to check the inventory of different Ingredients (burgers, wraps, ingredients, sides, drinks), so that I will be able to refill the stock in time.
Acceptance Criteria	<p>A staff can enter the staff page by typing /staff on the web address</p> <p>A staff is able to get access to the inventory by clicking on the 'inventory' button in the staff page.</p> <p>The inventory must clearly display the stock of various ingredient. If a customer places an order, the amount of corresponding ingredients displayed on the inventory page should decrease.</p> <p>Some ingredients are stocked in different specifications. Fries are served and stocked by size (small, medium, large). Sundaes are stocked by size. And the drinks are stocked in types. (cola, Fanta, juice)</p> <p>If the stock of one ingredient is zero, the inventory page will display '0'. And the staff need to refill it soon.</p>
Priority	5
Size	4 story points (1 point = ½ day)

ID	US2
Name	Refill the stock periodically
Description	As a staff, I'd like to be able to refill the stock, so that I'll be able to maintain the inventory.
Acceptance Criteria	<p>-If the stock of one ingredient is empty, the inventory page should display '0' to notice the staff to refill it.</p> <p>-If the stock is full, the inventory should print a suitable error message if a staff wants to refill the stock.</p> <p>-A staff can refill the inventory by changing the quantity of different food and click on the 'change' button.</p> <p>-A periodical message should be displayed on the inventory page in order to inform the staff to check the stock and get it refilled timely</p>
Priority	4
Size	4 story points (1 point = ½ day)

Summary:

Part1:

US1:

1. Add an acceptance criteria about how to enter the main order page
2. Change the acceptance criteria about how to customize the burger and wrap
3. Add an acceptance criteria about how to order base burger and wrap
4. Add an acceptance criteria to finish order base burger and wrap
5. Perfect the acceptance criteria of customize the burger and wrap
6. Add an acceptance criteria of make booking button

US2:

1. Add an acceptance criteria to enter sides order page
2. Add an acceptance criteria to enter drinks order page.
3. Change the acceptance criteria of choosing sides and drinks
4. Change the acceptance criteria of checkout page

US3:

1. Change a little bit on acceptance criteria1
2. Delete the acceptance criteria of information page
3. Add an acceptance criteria of customer name
4. Add an acceptance criteria of checking status

Part2:

1. perfect the instruction

US1:

1. change the display message of acceptance criteria1 to "There is no order yet"
2. Delete the acceptance criteria for staff to click on order

US2:

1. Change the acceptance criteria on how to update order status

Part3:

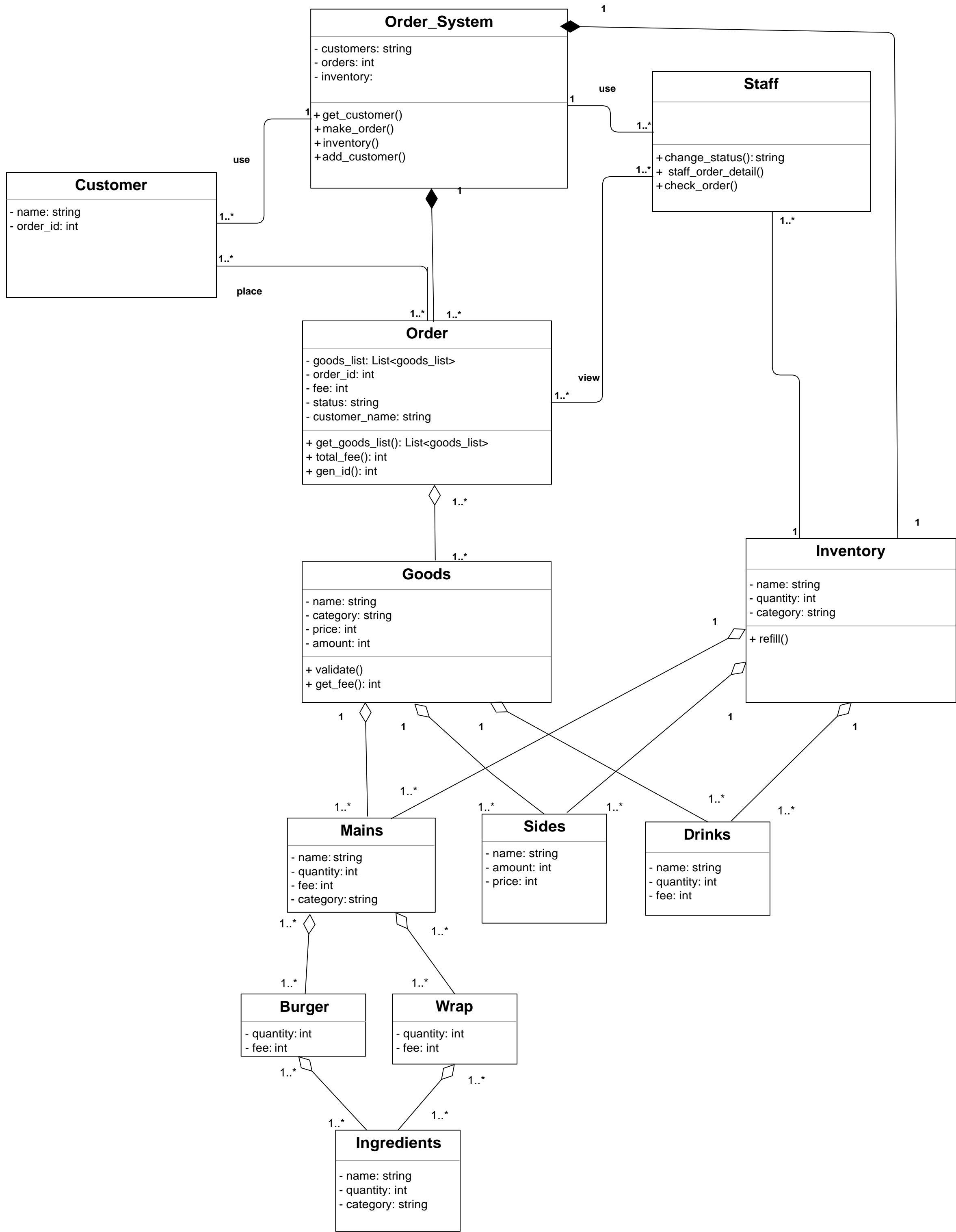
US1:

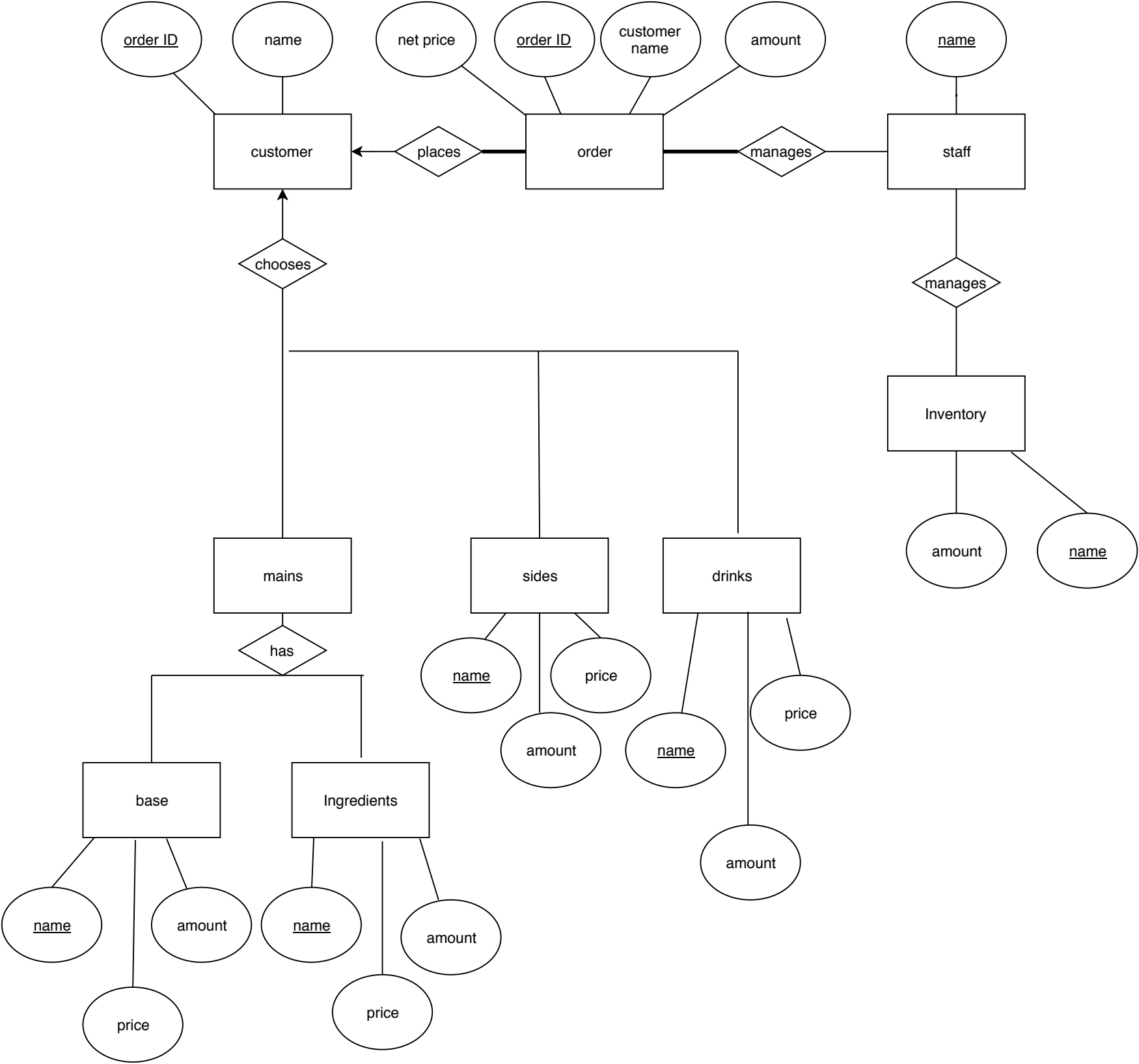
1. Add an acceptance criteria on how to enter staff route.
2. Perfect the details of stocks (sundae & drinks) in acceptance criteria4
3. Change the acceptance criteria of display message

US2:

1. Perfect the name of US2
2. Delete the acceptance criteria of stock is full
3. Delete the acceptance criteria of periodical message
4. Add an acceptance criteria about how to change inventory.

Class Diagram





Log book

Regular stand-up meetings:

3.8

Decide to start the milestone 1, we figure out that we need 3 high-level epic stories, 2 for staff and 1 for customer. We then follow the instructions and requirements presented in the User-Story Template and Marking guide, evaluated that we should break down each epic story into detailed user-stories with acceptance criteria. Also, each user-story must also be defined in RGB form.

We then allocate one epic story to each member. It should be accomplished for the next meeting.

3.10

We integrate our epic stories and reformat it, and then discuss and settle the priority and the size of each epic story.

Milestone 1 reflection

The acceptance criteria of the user-story for customer need to be more specified.

3.14

Start the milestone 2

First meeting of milestone2

We discuss the character and responsibility of this project and allocate the task to write the CRC cards for each class. Dennis write the customer CRC cards and order system CRC cards. Jackson is responsible for the checkout system CRC cards and login system CRC cards. And Brooklyn will write the staff and staff system CRC cards.

Milestone 2 CRC card reflection:

Each class with various responsibility in CRC cards must be considered carefully.

3.18

For the class diagram, we first define four main class according to the CRC cards. Then evaluate their own attributes and methods, and the relationship with each other. For the working software, we break the code into different files. and then connect every file together later.

We discuss and work out the class diagram, working software and the product back log together. At the end, Jackson integrate the class diagram together, Dennis integrate the code of the working software, and Brooklyn write the back log of the user stories according to the tutors advise in Milestone1

Milestone 2 class diagram reflection

The details of the class diagram need to be more specific

3.28

The class diagram, user story back log and code of the basic function of customer for the website is almost done. We start to write the test cases of our current code. Dennis, Brooklyn and Jackson all write part of the test_order.py. And then we talk about what the final website will look like and allocate the code written work for milestone 3. We decide let Dennis to write the customer page. Jackson and Brooklyn will code the staff page and set up the relationships between to system(e.g order and inventory change)

Reflection: Milestone 2 is almost done, what we need to do before submission is try to fix some careless mistakes

4.8

First meeting of milestone3:

We search and find an appropriate background for our website. Dennis's code for customer order is almost done. Customer can customize burgers and wraps, order sides and drinks. But checkout function does not work and need corrections

Reflection:

Must be careful when writing code in case of bugs or crash.

4.12

Dennis complete most of the functions of the customer page. Brooklyn and Jackson complete their page of staff. But still bugs if a customer enters an invalid number and click make booking. And we finally fix it by adding some restriction code.

Reflection:

The action of the page may not as prefect as we thought. We need to do more test and find bugs.

4.19

Our page is nearly done, but we delete some functions like our milestone2 user stories write (e.g login).Because some of functionalities are quite difficult to write in code and make it work in website. Dennis add base burgers and base wraps options. Jackson add small, medium & large fries options in sides. Brooklyn update what Dennis and Jackson write into inventory.

Reflection:

The details of the customer page need to be specific.

4.25

We practise the group presentation together. Jackson will talk about the overall instruction about the page. Dennis will act two customers make order, check out and get order ID. And Brooklyn will show how staff will update the status and maintain inventory. Then, we allocate the left work. Dennis will write the ER designing of our project. Brooklyn will write the user stories that conform to our website functionality and put all three milestone user stories together as the back log. And Jackson will redesign the class diagram according to our website functionality.

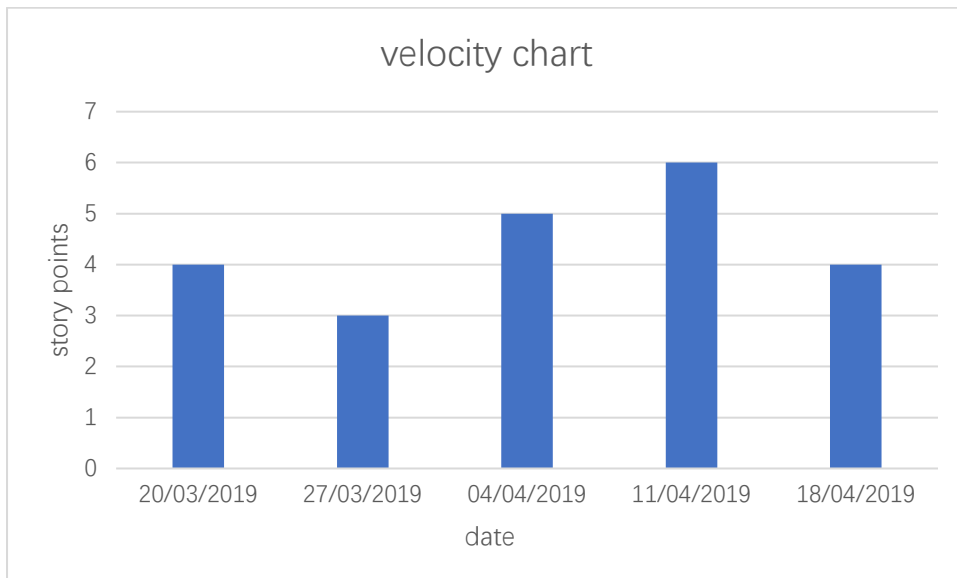
4.28

We integrate all the source together and get ready to submit.

Reflection:

Group project is a fantastic way for us to corporate and communicate. We not only achieve academic knowledge, but also train our communication skills

Velocity chart:



Average story points/week = 4.4 points/week