

# **Software Engineering Fundamentals**

## **COMP1531**

### **Final Report of Gourmet Burgers**

*Team W-A-M:*

*Tutorial - M15B*

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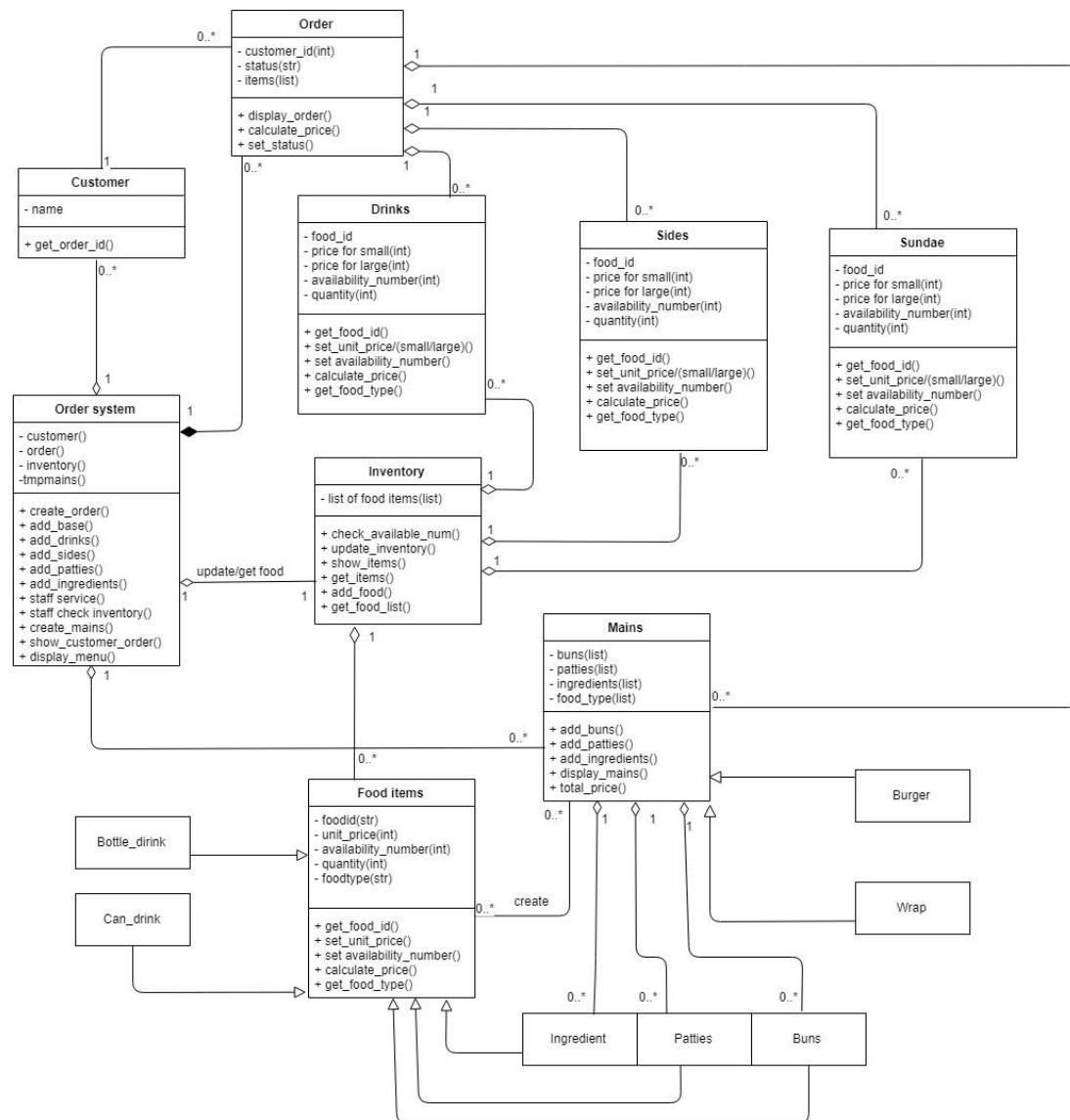
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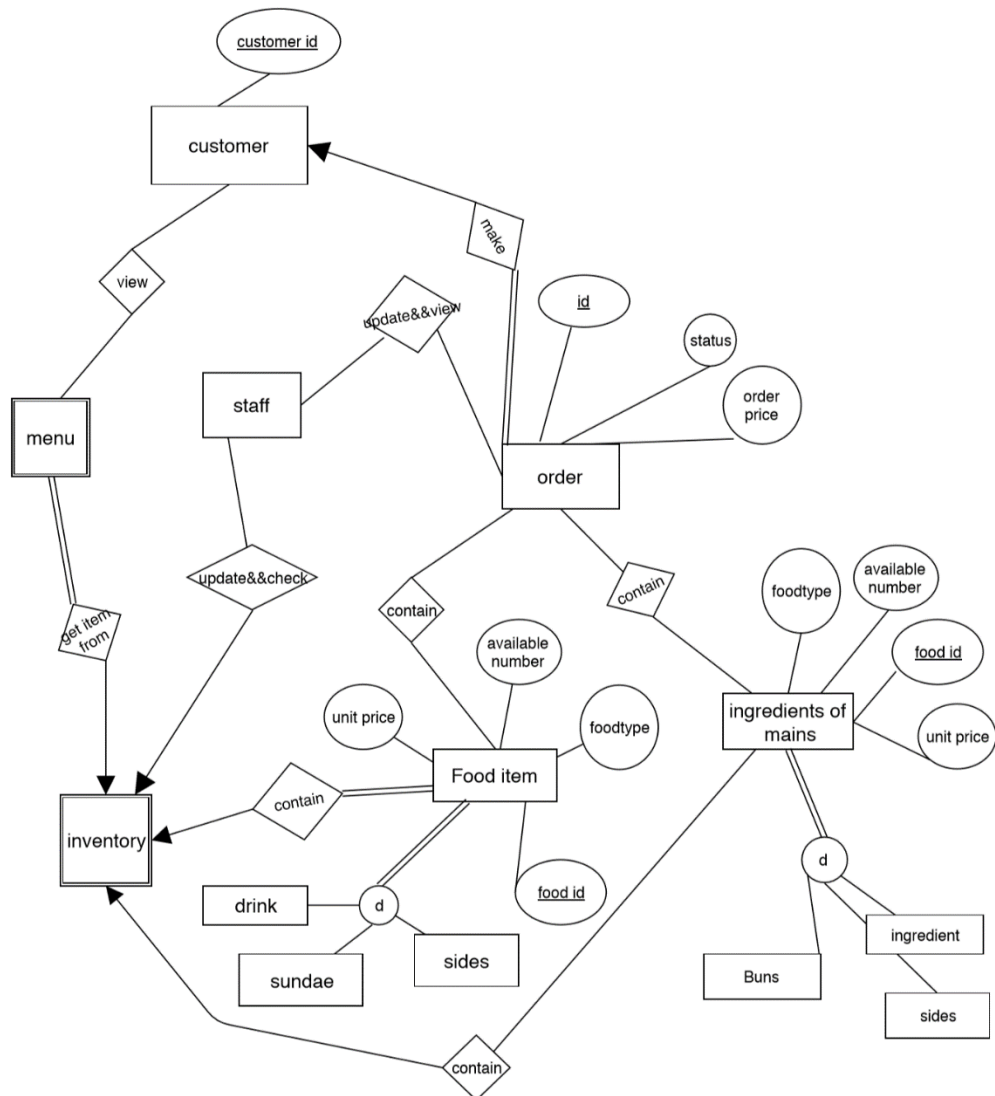
# 1. UML CLASS DIAGRAM

## 1.1. UML Class Diagram



## 2. ER DIAGRAM

### 2.1. ER Diagram



## 3. USER STORIES

### 3.1. Parameter

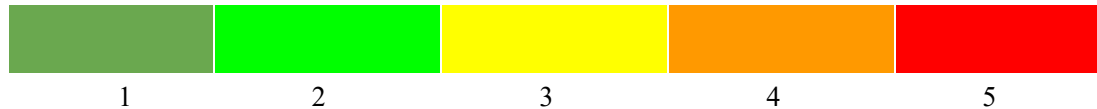
#### 3.1.1. story points

- 1 story point = (sp) = 2hours

#### 3.1.2 Priority

Least Important

Most important



### 3.2. Epic Story 1

As a customer, I should be able to firstly choose a burger or a wrap and then search and select the type and number of buns, patties and then add other ingredients.

ID	US1
Name	Order the mains
User-Story Description: As a customer, I want to search and select special buns, patties and some ingredients so that I could customize the gourmet creation according to my own taste.  Acceptance Criteria: 1. Able to click "Base" and order basic meal. 2. Able to search buns, patties and ingredients by specifying: -Name 3. Display "Sorry, we do not have these mains." if the merchandise is unavailable. 4. Able to view the information of search result (price etc) when complete search. 5. Set the number of buns/patties/ingredients in the button 6. Able to see the net price of the whole burger or wrap once complete all selection. 7. Able to see the menu	
Priority	5
Size	3

### 3.3. Epic Story 2

As a customer, I should be able to optionally choose drinks and sides.

ID	US1
Name	Order Sides and Drinks
User-Story Description: As a customer, I should be able to optionally choose drinks and sides so that I can choose them based on my favorite or ignore this process.  Acceptance Criteria:	

1. Able to click “sides & drink” button to the next order page. 2. Able to search sides and drinks by specifying: -Name 3. Display “Sorry, we do not have these drinks/sides” if the merchandise is unavailable. 4. Able to view the information of search result (price etc) when complete search. 5. Able to see the net price of the sides and drinks once complete selection. 6. Once completed all selection, customers can view the total price and the all order list.	
Priority	4
Size	3

### 3.4. Epic Story 3

As a customer, I should be able to optionally choose sundae

ID	US1
Name	Orders sundae
User-Story Description: As a customer, I should be able to optionally choose sundae so that I can choose them based on my favorite or ignore this process.  Acceptance Criteria: 1. Able to click “sundae” button to the next order page. 2. Able to search sides and drinks by specifying: -Name 3. Display “Sorry, we do not have these sundae” if the merchandise is unavailable. 4. Able to view the information of search result (price etc) when complete search. 5. Able to see the net price of the sundae once complete selection. 6. Once completed all selection, customers can view the total price and the all order list.	
Priority	4
Size	3

### 3.5. Epic Story 4

As a customer, I should be able to check my current order status after completing my selection.

ID	US1
Name	Check the status of order (customer)
User-Story Description: As a customer, I should be able to check my current order status after completing my order so that I can know when I can collect my items.  Acceptance Criteria: 1. Customers have an order-id. 2. Able to check current status by using order-id. 3. Order-id include sever information about customers’order	

4. Current status include: -Preparing -Waiting for pick up -finish 5. Order-id is shared between customers and staff.	
Priority	3
Size	2

### 3.6. Epic Story 5

As a staff, I should be able to maintain the inventory of various ingredients.

ID	US1
Name	Maintain the inventory
User-Story Description: As a staff, I want the inventory levels being decremented accordingly when customer place an order into system so that I could estimate when should I refill the stock to ensure the running of the restaurant.  Acceptance Criteria: 1. Store the data of inventory by different type of food and drinks. 2. Click on the “Inventory” button and view each different measurement-table which include remaining inventory of each type of food and drinks. 3. Able to add or reduce the specific amount of each type of food and drinks when customer place an order or inventory has been refilled. 4. staff can check the available number for a type of food so that they can know if it need to restore	
Priority	3
Size	4

### 3.7. Epic Story 6

As a staff, I should be able to view and update the status of the current order.

ID	US2
Name	View the current orders
User-Story Description: As a staff, I should be able to view the current order and I can change the current status and number of all orders.  Acceptance Criteria: 1. Able to know the current status of customer’s order 2. Able to see total number of orders for each list. 4. Display the detail information when search the id. 5. Once an order is finished. The order should be removed from the order list and staff will not see that completed order	

4.Able to check all customers orders via their customer id	
Priority	4
Size	2
ID	US2
Name	Check the status of order (staff)
User-Story Description: As a staff, I should be able to update order so that customer can see the current status of their order and estimate the rest of waiting time.  Acceptance criteria: 1. Able to change the current status of an order. 2. Once the order status is changed, the number of the total orders of current list decrease and the order disappear from current list. Then, it moves to corresponding list. 3. Able to click on the “upload” button and save the change order to database 4.The customer should be able to see this change in status at their end when they refresh their page.	
Priority	4
Size	2

### 3.8. Epic Story 7

As a customer, I should be able to optionally choose sundae

ID	US1
Name	Orders sundae
User-Story Description: As a customer, I should be able to optionally choose sundae so that I can choose them based on my favorite or ignore this process.  Acceptance Criteria: 1. Able to click “sundae” button to the next order page or click “skip” button to complete the order. 2. Able to search sides and drinks by specifying: -Name 3. Display “Sorry, we do not have these ingredients” if the merchandise is unavailable. 4. Able to view the information of search result (price etc) when complete search. 5. Able to see the net price of the sundae once complete selection. 6. Once completed all selection, customers can view the total price and the all order list.	
Priority	4
Size	3



## 4. LOG BOOK

### 4.1. Milestone 1: User Stories

Jie, Yuanzhi, Yifan:

Completed the user stories together on Microsoft Word

Yifan make submission of completed user-stories

### 4.2. Milestone 2: Implementation

#### 4.2.1. Group meeting

Date	16/3/19	31/3/19	6/4/19
Time	3pm-6pm	1pm-5pm	2pm-6pm
Priorities	Arrange next meeting Allocate tasks	start the code for back-end	Finalize code for back-end
Key decisions	Modify the user stories Product the back-log	Yuanzhi start the back-end code	Start the Pytest for back-end
Summary	Draft the user stories, and start the UML-Diagram	Submission the class diagram, next meeting time	Almost finished the back-end code Push code to release branch
Obstacles	Assigning time for next meeting Thinking about the relationship each class	Draw the class diagram	Debug for back-end

#### 4.2.2. Completed Tasks

Jie:

Started the UML Diagram

Product the back-log

Modify the user-stories

Yifan:

Started the UML Diagram

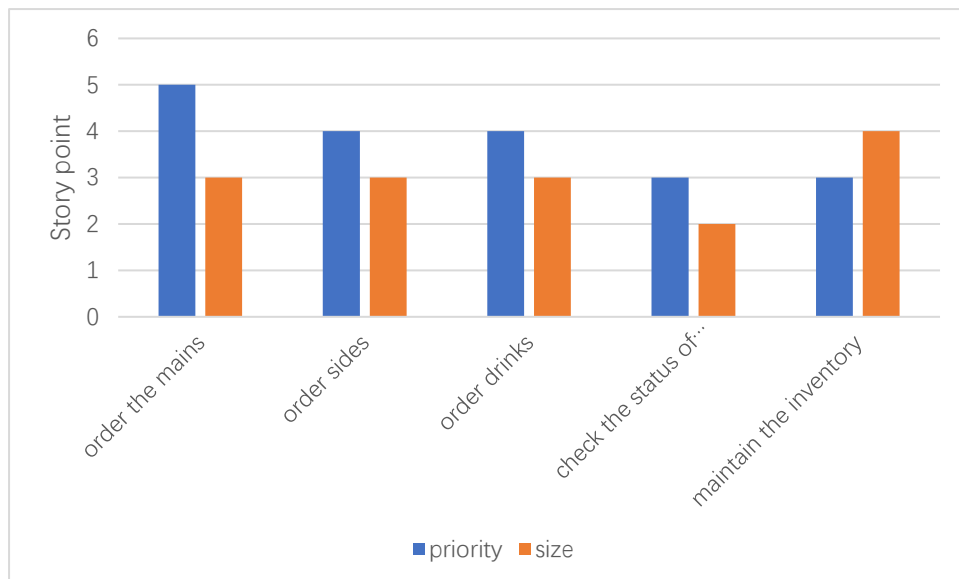
Pytest back-end code

Yuanzhi:

Started and finished the UML Diagram

Back-end code

### 4.2.3. Velocity Chart (Milestone 2)



## 4.3. Milestone 3: Validation

### 4.3.1. Group meeting

Date	7/4/19	12/4/19	26/4/19
Time	2pm-6pm	3pm-6pm	4pm-10pm
Priorities	Arrange next Meeting Allocate tasks	Allocation the tasks for report	Prepare the presentation Finished the report
Key decisions	According to requirement change the back-end code	Optimize the webpage style (CSS) and back-end code	Draw the velocity chart
Summary	Start the front-end code Modify the user stories according to the requirement	Front-end code and Back-end code are finished Ready to test front-end	Finished all the tasks for report
Obstacles	Time management	Use flash link the front-end and back-end code	N/A

### 4.3.2. Completed tasks

Jie:

Log book

Front-end code(html\_CSS)

Final product-log  
Velocity chart  
Yifan:  
All test cases  
Updates user stories

Yuanzhi:  
Update the back-end code  
Start the front-end  
Finalized code for milestone 3  
ER Diagram

4.3.3. Velocity Chart (Milestone3)

