COMP1531 Assignment
Game of Git

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Table of Contents

User Stories

As a customer, I would like to be able to order multiple types of customized gourmet creations.

US-ID	1
Name	View creation options
User-Story Description: As a customer, I would like to be able to see all the available options so that I can customize my gourmet creations. **Acceptance Criteria:** 1. All ingredients are shown on one page 2. Prices are shown next to each ingredient	
Priority	High
Size	6 Hours

US-ID	2
Name	Customization of order
User-Story Description: As a customer, I would like to be able to edit the quantities in my order so that I can enhance my creation. **Acceptance Criteria:** 1. Each item has a box next to it where amounts can be added 2. If the selected quantity is higher than the maximum amount a message is displayed stating the maximum. 3. Mains, sides, and drinks are to be shown on separate pages. a. Sundaes are available on the Sides page 4. The customer is able to select a 'submit' button to confirm their current selection for a given page. 5. If an invalid amount is input the customer is shown an error message next to the given item(s)	

Priority	High
Size	7 Hours
US-ID	3
Name	Pricing

User-Story Description:
As a customer, I would like to be able to see the net cost of my entire order so that I can assess its affordability.

Acceptance Criteria:

1. Mains (Burger and Wraps) have a base price.
2. The total cost of the order is displayed at the checkout page.
3. The customer is able to cancel the order when shown the cost

Priority	High
Size	4 Hours
US-ID	4
Name	Payment

User-Story Description:

As a customer, I would like to be able to complete my payment so that I can confirm my order.

Acceptance Criteria:

1. The customer is prompted to pay on the checkout pay.
2. The customer must fill in a form with payment details.
3. Once they have successfully paid the customer is given an order ID.
4. When the order is confirmed, the ingredients used are removed from the stock.

Priority	High
Size	4 Hours

US-ID	5
Name	Order status

User-Story Description:
As a customer, I would like to see the progress of my order so that I know when to pick up my order.

Acceptance Criteria:
1. A valid order-id is entered.
2. If an invalid order-id is entered the customer is shown an error message and prompted to re-enter the ID.
3. When a valid ID is entered the customer is shown a message with the status of their order, and a summary of their order

Priority	Medium
Size	3 Hours

US-ID	10
Name	Standard Order

User-Story Description:

As a customer, I would like to be able to order a standard creation so that I can complete my order quickly.

Acceptance Criteria:

1. Customers are offered a Standard Creation option
2. All standard creations are shown with their cost
3. A list of ingredients is shown next to the creation
4. Customers can click a button to add a standard creation to their order

Priority	Medium
Size	2 Hours

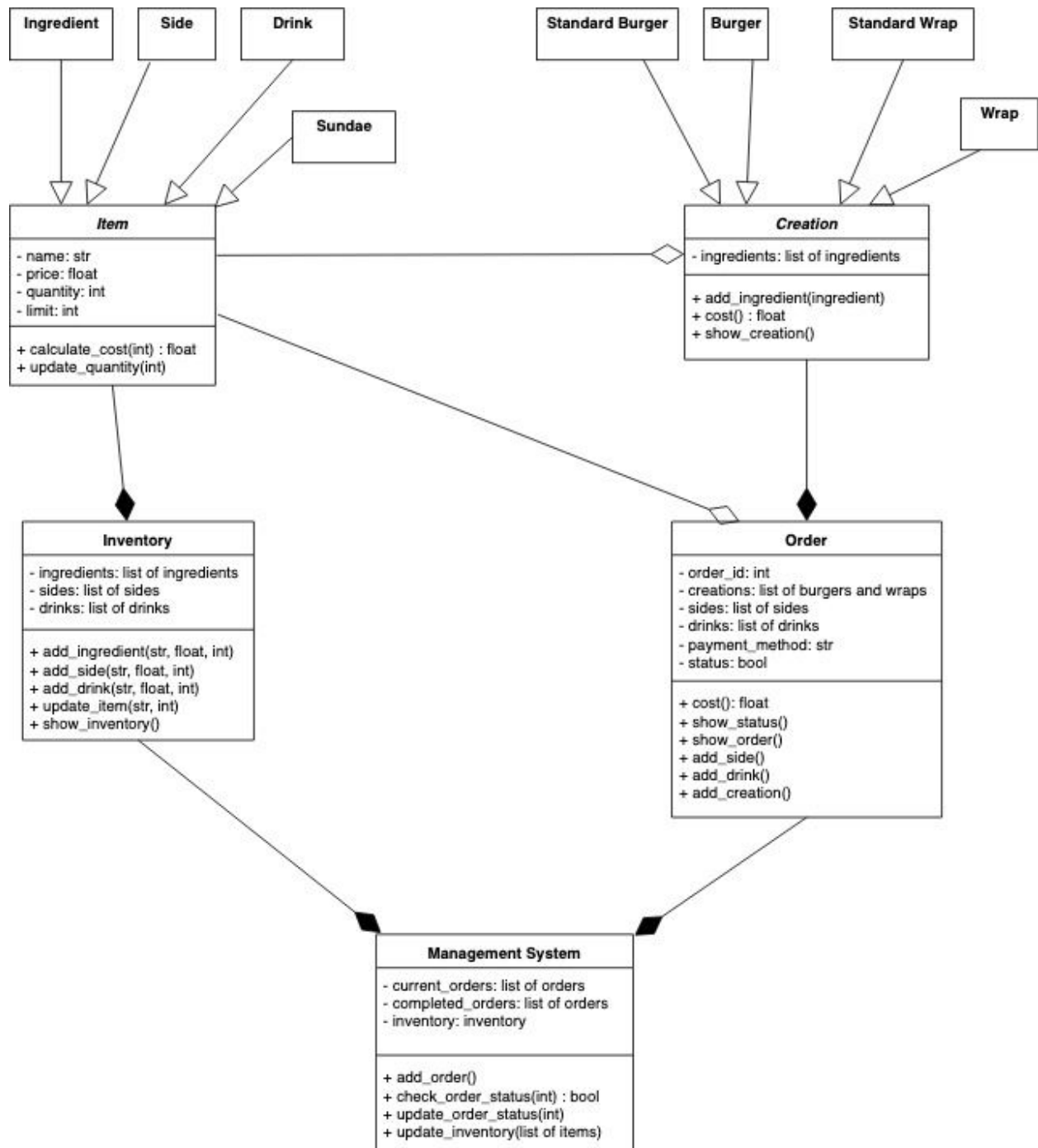As a customer, I would like to be able to order sides and drinks along with my mains. See US-ID 2.

As a staff member, I would like to be able to view and update the status of the order.

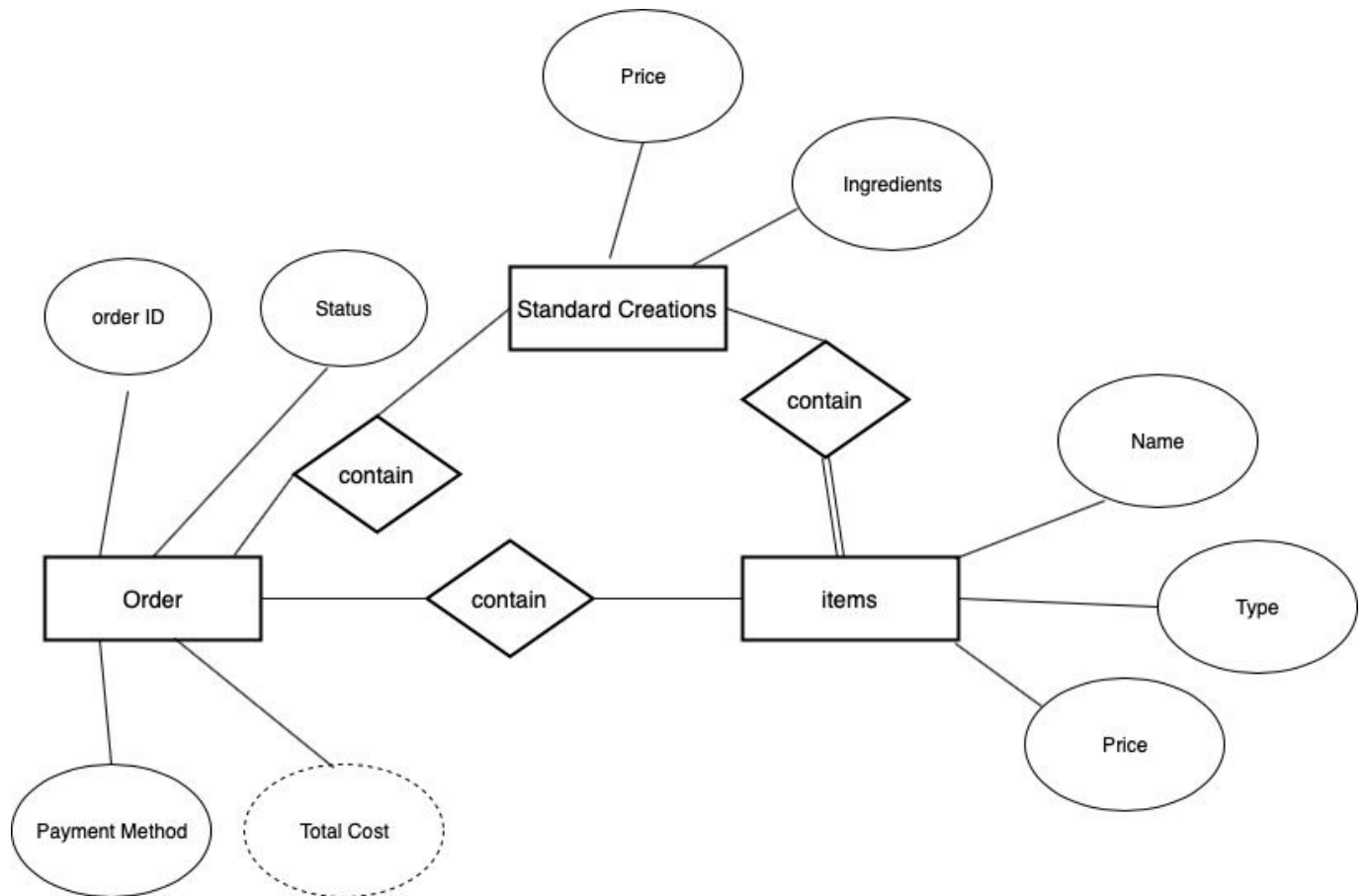| US-ID	6
Name	View Orders

User-Story Description:
As a staff member, I want to see the current orders so that we can prepare them.
 	
Acceptance Criteria:
  1. Orders are listed in order of placement.
  2. Each order has a list of selected ingredients.
  3. The quantity of each ingredient is displayed next to each item.	

Priority	High
Size	4 hours
US-ID	7
Name	Update Order Status

User-Story Description:
 	
As a staff member, I want to be able to update order status' so that we can give customers their food.
 	
Acceptance Criteria:
 	
  1. Staff members are able to click on an order to update their status.
  2. When the order is marked completed, it is no longer shown on the staff order list.	

Priority	High
Size	2 Hours

As a staff member, I would like to be able to view and update the stock of the inventory.

US-ID	8
Name	View Inventory
User-Story Description: As a staff member, I want to be able to see the current stock so that we can keep an adequate amount of stock. **Acceptance Criteria:** 1. All ingredients are shown with their amount next to them. 2. Items are separated by type (Ingredient, Side/Sundae, Drink)	
Priority	Medium
Size	3 Hours
US-ID	9
Name	Update Inventory
User-Story Description: As a staff member, I want to be able to update the inventory so that the inventory reflects the actual stock. **Acceptance Criteria:** 1. Staff members are shown a form with all ingredients 2. Staff are able to enter the amount to be added or removed from each item 3. If the amount is negative, it must not be more than the total quantity remaining 4. Upon clicking a submit button the inventory screen should update with the amount added to the prior amount.	
Priority	Low
Size	4 Hours

Class Diagram

The diagram shows the following classes and relationships:

Item (abstract)
- name: str
- price: float
- quantity: int
- limit: int

- + calculate_cost(int) : float
- + update_quantity(int)

Subclasses of Item: Ingredient, Side, Drink, Sundae

Creation (abstract)
- ingredients: list of ingredients

- + add_ingredient(ingredient)
- + cost() : float
- + show_creation()

Subclasses of Creation: Standard Burger, Burger, Standard Wrap, Wrap

Inventory
- ingredients: list of ingredients
- sides: list of sides
- drinks: list of drinks

- + add_ingredient(str, float, int)
- + add_side(str, float, int)
- + add_drink(str, float, int)
- + update_item(str, int)
- + show_inventory()

Order
- order_id: int
- creations: list of burgers and wraps
- sides: list of sides
- drinks: list of drinks
- payment_method: str
- status: bool

- + cost(): float
- + show_status()
- + show_order()
- + add_side()
- + add_drink()
- + add_creation()

Management System
- current_orders: list of orders
- completed_orders: list of orders
- inventory: inventory

- + add_order()
- + check_order_status(int) : bool
- + update_order_status(int)
- + update_inventory(list of items)

ER Diagram

APPENDIX

Logbook

Meeting 1

March 5th 8:00-8:40

Tasks	By Who?	By When?
Complete assigned User Stories	All	Friday
Create Logbook	Skye	
Inform Arshdeep of next meeting	Masum	
Notes		
Arshdeep had to leave at ~8:15		

- Began working on user stories as a group
- Split epic stories based on initials requirements
- Began working on User Stories -> completed ~8 user stories (without details)

March 6th 4:10-5:00

Tasks	By Who?	By When?
Complete User Stories 4,5,6	Arshdeep	Friday
Review User Stories	All	Sat
Convert to PDF and submit	Skye	Sun
Notes		
Arshdeep unable to attend due to classes		

Since the previous meeting

● Logbook set up

In meeting

● Finished base user stories
● One user story template completed together
● Remaining user stories divided between all three members
● User stories 1,2,3,4,7,8,9 completed individually then reviewed

March 21st 12:50-1:24

Tasks	By Who?	By When?
Use Case Diagram	Arsh	
Order/Customer CRC	Masum	Sat
Ingredients CRC	Arsh	Sat
Management System CRCs	Skye	Sat
UML Class Diagram	Skye	Sat/Sun
CRCs -> defined functions (implementation not necessary)	All	Tue
Notes		
Arshdeep unable to attend		

Since the previous meeting

● Milestone 1 submitted

In meeting

● To do:
  ○ Use case diagram
  ○ CRC cards
  ○ UML Class Diagram
  ○ Logbook (this thing)
  ○ Implement backend

Next meeting

● Run through writing test cases
● Check functions/user interfaces

Meeting 4

March 21st

Tasks	By Who?	By When?
UML	Skye	Sun
Ingredient & Ingredient Management System interface	Arsh	Tue
Order interface	Skye	Tue
Order Management Interface	Masum	Tue
Notes		

Since the previous meeting

- CRC cards basically done

In meeting

- Miscommunication due to Arsh missing last meeting led to confusion between proposed classes
- Changed classes -> merged order and customer
- Split Use Cases/Classes:
    - Ingredients/Ingredient Management sys - arsh (testing - skye)
    - Orders - Skye (testing - masum)
    - Order Management - Masum (testing - arsh)
- Ran over testing principles

March 29th

Tasks	By Who?	By When?
Class interfaces	All	Tuesday
Tests	All	Thursday
Completed implementation	All	Sunday
Notes		
Impromptu meeting due to confusion of classes Masum unable to attend		

Since the previous meeting

- Arsh wrote up ingredient class - had fused with management system

In meeting

- The ingredient class was renamed to Item to reduce confusion
- Added a Burger class to allow customers to order multiple burgers (to be completed by Skye)
- Confirmed that the quantity would be stored as an attribute in the Item class rather than in a dictionary in the ingredient class
- Clarified that the quantity was the total quantity rather than the quantity for an individual ingredient
- Clarified that the quantity requested in a given order is to be stored in a dictionary in the Order class
- Fixed UML diagram to include the new classes

Milestone 2 Submission

April 7th

Notes
This tracks changes in tasks and issues that have arisen between last meeting and submission of milestone 2

Since Previous Meeting

- Skye unable to stay long at Week 7 lab to discuss milestone due to sickness
- Asrh, Masum busy due to other assignments and midsems. Were unable to complete interfaces by Tuesday Week 7.
  - Due date moved to Thursday Week 7
- Masum unable to finish by Thursday Week 7 - uploaded Interface Sat Week 7
- Masum unable to write tests for order and creation classes
  - Skye to write up
- No tests written for order management system as of Sat Wk 7
  - Arsh unable to write before Sunday -> Skye to write up
- Slow responses in group chat hindering issue management

Meeting 6

April 16th

Notes
Skye unable to attend

In meeting

Cleared doubts about flask and html programming.
Discussed about tasks on the excel sheet.
Started working on the files.

April 23rd

Tasks	By Who?	By When?
Fix view orders	Masum	ASAP
Add temporary order attribute for incomplete orders	Skye	ASAP
Inventory removal (staff)	Arsh	ASAP
Notes		
Masum had to leave early		

In meeting

- ● Presentation:
    - ○ Skye - Customer ordering process
    - ○ Masum - Order status checking page, staff order pages
    - ○ Arsh - Inventory pages
- ● Things that need to be fixed
    - ○ Temporary orders so that staff don't see incomplete orders
    - ○ View Orders page
    - ○ Staff updating orders
    - ○ Staff cannot subtract items from the inventory
    - ○ Files need to be moved to release branch
- ● Done in meeting
    - ○ Skye added temporary order class
    - ○ Skye fixed the staff view/update orders for staff
    - ○ Arsh added function for staff to remove items from inventory
    - ○ Skye moved files to release branch
    - ○ Arsh removed old files

Velocity Chart

Velocity Chart