Sprint 2 Materials

BOGO SORT CONNOISSEURS

Sua Bae
Andrew Beketov
Surya Jasper
Shweta Kumaran
Warren Wu

Retrospective Summary

Sprint 2 was a success overall, we got almost everything done that we planned on getting done. Everyone did their tasks on time and communicated effectively with the group. We found that the small amount of tasks that we had to push to sprint 3 from sprint 2 were pushed not due to a lack of effort or communication, but due to the amount of work we planned for sprint 2. However, we were able to complete our sprint 2 goal of creating a working MVP with all the functionality of project 2. Sprint 2 was very technical and proactive sprint, while we plan to make sprint 3 more laid back but also efficient. This means that we will focus on all additional features for sprint 3 such as accessibility, ease-of-use, and design. We don't need to make any changes to the procedure that we incorporated for all our previous sprints, as we have succeeded and not run into major issues. The adjustments to the product backlog would be mostly finishing up sprint 2 materials such as order history and adding a weather recommendation feature. The retrospective meeting we had went very well and we were able to discuss all aspects of the sprint that we planned on discussing. We all agreed that everyone did a good job on completing their tasks and communicating with the team, planning and accommodating time for meetings, and attending these meetings. We plan on continuing this success streak into sprint 3 and finishing the project strong.

GitHub Release Link

https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-project-3-901-7/releases/tag/2.0.0

Product Backlog

General
1. Set up the project with a new tech stack (high, 20 min, complete, 1)
2. Repopulate the database (high, 20 min, complete, 1)
3. Set up the objects backend for the menu items (high, 10 min, complete, 2)
4. Set up the objects backend for the inventory items (high, 10 min, complete, 2)
5. Set up the objects backend for the orders (high, 10 min, complete, 2)
6. Create the ui design for the login page (high, 15 min, complete, 1)
7. Create the ui design for the menu board (high, 15 min, complete, 1)
8. Create the ui design for the website landing page (high, 15 mins, complete, 1)
9. Create the ui design for the manager overview page (high, 15 min, complete, 1)
10. Create the ui design for the manager sales trends page (high, 15 min, complete, 1)
11. Create the ui design for the cashier ordering page (high, 15 min, complete, 1)
12. Create the ui design for the cashier information page (high, 15 min, complete, 1)
13. Create the ui design for the customer ordering page (high, 15 min, complete, 1)
14. Create the ui design for the customer menu overview (high, 15 min, complete, 1)
15. Implement a login button (low, 15 min, complete, 2)
16. Implement a login page (low, 20 min, complete, 2)
17. Implement Google OAuth (low, 15 min, complete, 3)
18. Deploy the frontend (high, 10min, complete, 4)
19. Deploy the backend (high, 10min, complete, 4)
20. Implement the website nav bar (high, 15min, complete, 2)
21. Implement the website landing page (high, 15min, complete, 3)
22. Implement clock (low, 15 min, complete, 3)

Menu:
1. Set up categories for easier navigation (low, 20 min, complete, 2)
2. Set up the menu board in an organized manner (low, 20 min, complete, 2)
3. Populate the menu (medium, 20 min, complete, 1)
4. Implement dynamic menu board updates (medium, 20 min, complete, 3)
5. Implement the frontend (low, 20 min, complete, 4)

Cashier:
1. Search bar to search for items while taking orders from customers (low, 20 min, incomplete, 5)
2. Order button to submit order (low, 20 min, incomplete, 4)
3. Order confirmation page (low, 20 min, incomplete, 5)
4. Set up the cashier display front end (medium, 30 min, incomplete, 5)
5. Cashier landing page (medium, 20 min, incomplete, 3)

Customer:
1. Implement the customer ordering page (medium, 30 min, complete, 3)
2. Populate the menu items into the ordering page (medium, 20 min, complete, 1)
3. Connect to backend (medium, 20 min, complete, 1)
4. Make the items dynamically update on menu ordering page (medium, 20 min, incomplete, 1)
5. Translate function (low, 20 min, incomplete, 5)
6. Display weather (low, 20 min, incomplete, 5)
7. Can view suggested items based on the weather (low, 20 min, incomplete, 5)
8. Order button to submit order (low, 20 min, incomplete, 3)
9. Tip buttons (low, 20 min, incomplete, 3)
10. Implement the ordering confirmation page (medium, 30 min, incomplete, 3)
11. Include pictures of each item (low, 20 min, incomplete, 2)

Manager:
1. Inventory page
   a. A table with a list of ingredients with their attributes (medium, 20 min, incomplete, 4)
   b. Restock low-stock items (low, 20 min, incomplete, 5)
   c. View low-stock items (low, 20 min, incomplete, 5)
   d. Add a new ingredient (medium, 20 min, incomplete, 4)
   e. Update ingredient (medium, 20 min, incomplete, 3)
   f. Delete ingredient (medium, 20 min, incomplete, 3)
   g. Implement update image (medium, 20 min, incomplete, 2)
2. Order history page
   a. A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)
   b. Update order (medium, 20 min, incomplete, 3)
   c. Delete order (medium, 20 min, incomplete, 3)
   d. Implement date filter (medium, 20 min, incomplete, 4)
3. Menu item page
   a. A table with a list of menu items with its attributes (low, 20 min, incomplete, 4)
   b. Add a new menu item (medium, 20 min, incomplete, 3)
   c. Update menu item (medium, 20 min, incomplete, 3)
   d. Delete menu item (medium, 20 min, incomplete, 3)

4. Sales trend page
   a. Product usage chart (low, 20 min, incomplete, 5)
   b. Sales report (low, 20 min, incomplete, 5)
   c. Excess report (low, 20 min, incomplete, 5)
   d. What sells together - ordering trend report (low, 20 min, incomplete, 4)
5. Implement the manager home page (low, 20 min, incomplete, 3)

New tasks added to product backlog during Sprint 2:

Updates:

1. Add an image attribute to item to database (high, 20 min, incomplete, 3)
2. Add a description attribute to item in database (high, 20 min, incomplete, 2)
3. Set up categories for easier navigation (medium, 20 min, incomplete, 3)
4. Redesign the home landing page (low, 20 min, incomplete, 5)
5. Redesign the login page (low, 20 min, incomplete, 4)
6. redesign the menu board as seperate screens (medium, 20 min, incomplete, 2)
7. reimplement the menu board (medium, 20 min, incomplete, 5)
8. Finish adding order functionality (high, 20 min, incomplete, 4)

Login:

9. Add security to the page - dont let urself go to manager without login (medium, 20 min, incomplete, 4)
10. Add cashier login functionality (medium, 20 min, incomplete, 4)
11. Add non google oauth login functionality (low, 20 min, incomplete, 4)
12. Connect to cashier home or manager home depending on login type (medium, 20 min, incomplete, 3)

Backend:

13. SSL certificate for backend cloud hosting (high, 20 min, incomplete, 1)
14. Set up jaccaco (medium, 20 min, incomplete, 1)
15. Start backend testing (medium, 20 min, incomplete, 1)

New tasks added to product backlog during Sprint 3:

Inventory Page:

1. data validation for quantity, min quantity, and price (medium, 20 min, incomplete, 3)
2. implement edit other attributes

3. delete confirmation
4. sort option to sort ingredient list - every column in the table

Order History Page:

5. add a confirmation pop-up for updating an ingredient
6. add a confirmation pop-up for updating an order (medium, 20 min, incomplete, 4)
7. add a confirmation pop-up for deleting an order (medium, 20 min, incomplete, 4)
8. put start date after end date
9. Fix the backend for order history - itemToQuantity attribute

Ordering Page:

10. Allow user to directly input quantity (so user doesn't have to click + 50 times)
11. List IDs for each item and even spacing for item elements
12. Send help ticker when help button is clicked
13. Add quick ordering via IDs functionality

Manager Menu Page:

14. Add confirmation to delete menu item
15. Sort for every column in the table
16. Validate inputs to new and update menu item

Sales Trend Page:

17. put start date after end date

Menu Screens Page:

18. Update styling to look appealing

Home Landing Page:

19. Update styling to look appealing

Login:

20. Set up admin home
21. Implement admin add cashier/manager backend edit
22. Implement admin delete cashier/manager backend edit
23. a profile page for cashier w clock in and out
24. a profile page for manager w cashier management
25. implement clock for timesheets
26. a profile page for admin

Testing:

27. Set up frontend testing
28. Write tests for each component

Sprint Backlog

Task	Priority	Actual Time Spent(min)	Status	User Story Point	Assigned To
Search bar to search for items while taking order...	low	20	complete	5	Warren
Order button to submit order	low	20	complete	4	Warren
Order confirmation page	low	20	complete	5	Warren
Set up the cashier display front end	medium	20	complete	5	Warren
Cashier landing page	medium	20	complete	3	Shweta
Make the items dynamically update on menu orderin...	medium	20	complete	1	Warren
Display weather	low	20	complete	5	Andrew
Can view suggested items based on the weather	low	20	incomplete	5	Andrew
Order button to submit order	low	20	complete	3	Warren
Tip buttons	low	20	complete	3	Warren
Implement the ordering confirmation page	medium	20	complete	3	Warren
Include pictures of each item	low	20	complete	3	Shweta
A table with a list of ingredients with its attr...	medium	20	complete	4	Sua
Restock low-stock items	low	20	complete	5	Sua
View low-stock items	low	20	complete	5	Sua
Add a new ingredient	medium	20	complete	4	Sua
Update ingredient	medium	20	In progress	3	Sua
Delete ingredient	medium	20	complete	3	Sua
Implement update image	medum	20	complete	2	Shweta
A table with a list of orders with its attributes	medium	20	In progress	4	Sua

Task	Priority	Estimate	Status	Points	Assignee
Update order	medium	20	In progress	3	Sua
Delete order	medium	20	In progress	3	Sua
Implement date filter	medium	20	complete	4	Andrew
A table with a list of orders with its attributes	medium	20	In progress	4	Sua
Add a new menu item	medium	20	incomplete	3	Surya
Update menu item	medium	20	incomplete	3	Surya
Delete menu item	medium	20	incomplete	3	Surya
Product usage chart	low	20	incomplete	5	Andrew
Sales report	low	20	incomplete	5	Andrew
Excess report	low	20	incomplete	5	Andrew
What sells together - ordering trend report	low	20	incomplete	4	Andrew
Implement manager home page	low	20	complete	3	Shweta
Add an image attribute to item in database	high	20	complete	3	Shweta
Add a description attribute to item in database	high	20	complete	2	Shweta
Set up categories for easier navigation	medium	20	complete	3	Shweta
Redesign the home landing page	low	20	complete	5	Shweta
Redesign the login page	low	20	complete	4	Surya
Redesign the menu board as separate screens	medium	20	complete	2	Shweta
Reimplement the menu board	medium	20	complete	5	Shweta
Finish adding order functionality	high	20	complete	4	Warren
Add security to the page (cannot access manager without login)	medium	20	complete	4	Surya
Add cashier login functionality	medium	20	complete	4	Surya
Add non google oauth login functionality	low	20	complete	4	Surya
Connect to cashier home or manager home depending on login type	medium	20	complete	3	Surya
SSL certificate for backend cloud hosting	high	20	complete	1	Surya
Set up jaccaco	medium	20	incomplete	1	Surya
Start backend testing	medium	20	incomplete	1	Shweta

Team Member	Sprint 1 User Story Points	Sprint 2 User Story Points
Andrew Beketov	11	28
Shweta Kumaran	18	28
Sua Bae	19	31
Surya Jasper	18	25
Warren Wu	19	36

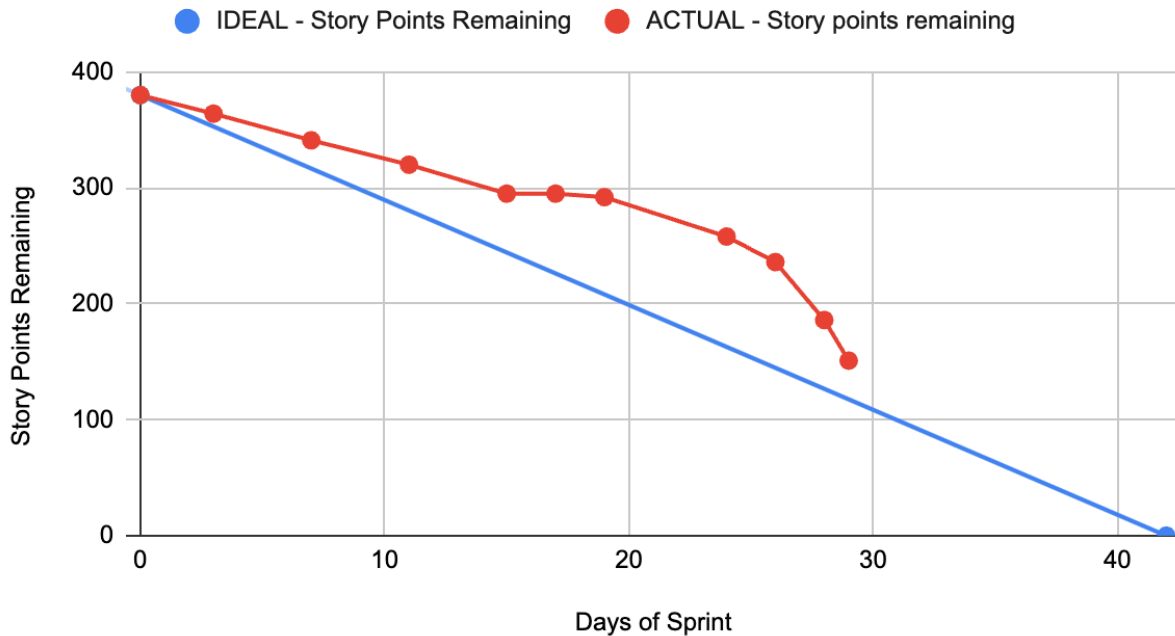# Burn-down Charts
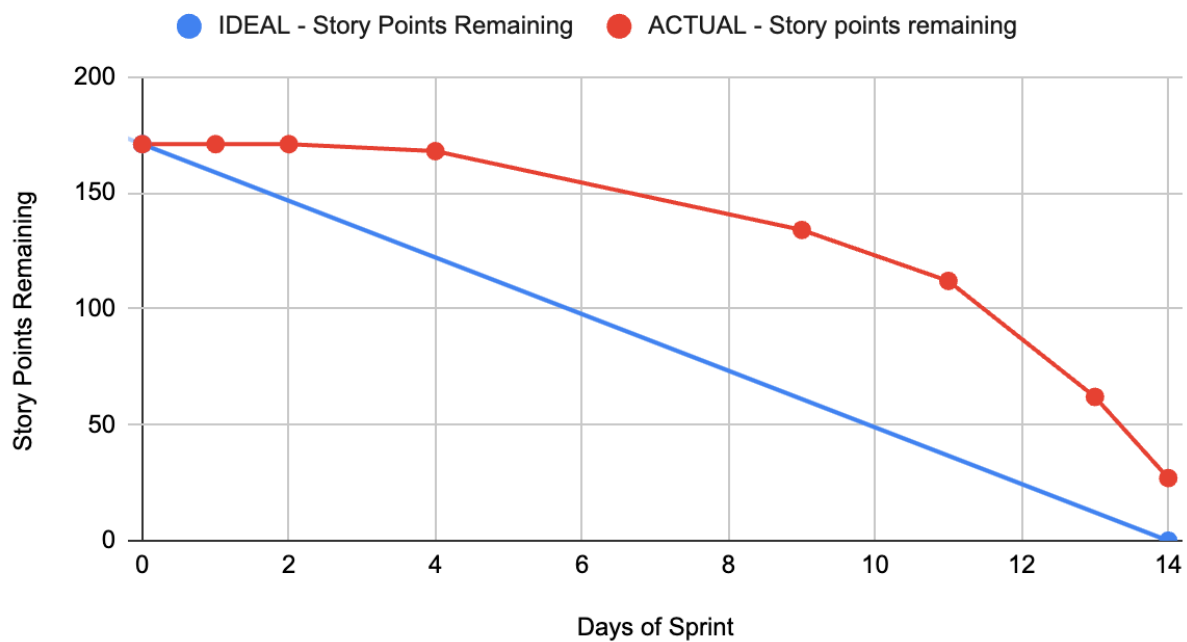
Product Burndown Chart

Next Sprint's SCRUM Meeting Schedule

Sprint 3 Standup #1 : Monday April 15, 2024, in lab

Sprint 3 Planning: Tuesday April 16, 2024, in class

Sprint 3 Standup #2: Thursday April 18, 2024, in class

Sprint 3 Standup #3: Tuesday April 23, 2024, in class

Sprint 3 Standup #4: Thursday April 25, 2024, in class

Sprint 3 Standup #5: Saturday April 27, 2024, Discord or in Zachary

Sprint 3 Retrospective: Monday April 29, 2024, in lab

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Standup Meeting 1 for Rev's Grill Website
Prepared by: Shweta
Meeting Date: 4/2/2024

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Standup
- Discuss any features and ways to implement them
- Discuss sprint planning

Status Update Since Last Meeting

Accomplishments:
- Completed sprint 1 and demoed successfully
- Discuss sprint 2 planning and schedule

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Discuss when to meet for sprint 2 planning	Andrew	yes
Sprint 2 retrospective scheduled	Andrew	yes

Before The Next Meeting

Plans:
- Think of any new features to implement

Minutes from Previous Meeting

Summarize discussion in paragraph form from the previous meeting (NOT this current meeting).

Through the meeting, each member discussed various things they did to ensure the success of sprint 1. We discussed the reasons why we were successful and able to get all our tasks done on time and made sure everyone would follow the same work ethic for a successful sprint 2. This was utilized to brainstorm and make logistical and planning decisions for sprint 2. For sprint 2, we decided to implement basic functionality for a point-of-sale system which includes a login page, customer/cashier/manager ordering page, inventory page, order history page, and a sales trend page. We also planned to split the menu board into multiple pages so that the customers could view the entire menu board on multiple screens without having to scroll through.

SCRUM Standup Meeting 2 for Rev's Grill Website
Prepared by: Shweta
Meeting Date: 4/4/2024

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Discuss tasks completed so far
- Discuss roadblocks on tasks if there are any
- Discuss what to focus on until next meeting

Status Update Since Last Meeting

Accomplishments:
- Updated ordering page with categories and item images
- Updated database to store images for each item
- Redesigned login page

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Add an image attribute to item to database *	Shweta	yes
Add a description attribute to item in database *	Shweta	yes
Redesign the login page *	Surya	yes

Before The Next Meeting

Plans:
- Focus on manager-side features
- Redesign menu board to display on different screens

Task Assignments:

Task Description	Assigned to
A table with a list of ingredients with its attributes	Sua
Restock low-stock items	Sua
Product usage chart	Andrew
redesign the menu board as separate screens *	Shweta
reimplement the menu board *	Shweta
Add security to the page - don't let yourself go to manager without login *	Surya
Finish adding order functionality *	Warren

Minutes from Previous Meeting

We discussed how we made a good amount of progress since our first Sprint meeting. We accomplished everything we planned on doing without meeting any roadblocks. We were able to update the menu items in the database with images and set up the order page with the new image urls. We also completed a redesign of the login page so that it matched the general design of our platform, creating a seamless experience for users. By the next meeting, we plan on adding needed security to the login page and setting up some of the manager pages.

SCRUM Meeting 3 for Rev's Grill Website
Prepared by: Surya
Meeting Date: 4/9/2024

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Discuss progress on tasks
- Discuss roadblocks
- Discuss future plans for manager side pages and features

Status Update Since Last Meeting

Accomplishments:
- Finished basic manager-side features
- Updated menu board

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
A table with a list of ingredients with its attributes	Sua	yes
Restock low-stock items	Sua	yes
Product usage chart	Andrew	yes
redesign the menu board as separate screens *	Shweta	yes
reimplement the menu board *	Shweta	yes
Add security to the page - don't let yourself go to manager without login *	Surya	yes
Finish adding order functionality *	Warren	yes

Before The Next Meeting

Plans:

- Setup SSL certificate on server to host backend
- Set up backend tests
- Improve inventory tables with filters
- Add sales report and excess report

Task Assignments:

Task Description	Assigned to
View low-stock items (low, 20 min, incomplete, 5)	Sua
Add a new ingredient (medium, 20 min, incomplete, 3)	Sua
SSL certificate for backend cloud hosting	Surya
Set up jaccaco	Surya
Sales report (low, 20 min, incomplete, 3)	Andrew
Excess report (low, 20 min, incomplete, 3)	Andrew
Order button to submit order (low, 20 min, incomplete, 1)	Warren
Order confirmation page (low, 20 min, incomplete, 2)	Warren
Set up the cashier display front end (medium, 30 min, incomplete, 3)	Warren
Set up categories for easier navigation *	Shweta
Redesign the home landing page *	Shweta
Update ingredient (medium, 20 min, incomplete, 3)	Sua
Delete ingredient (medium, 20 min, incomplete, 3)	Sua

Minutes from Previous Meeting

We were able to finish a good amount of tasks, but we saw that there were still quite a few tasks pending in our backlog. To finish on time, we knew we had to get significantly more done over the weekend. We aimed to have every page and feature in some form so that we could continue building upon those in parallel. We decided on tasks across the manager and customer view involving both backend and frontend integration, which we would complete by our next meeting.

SCRUM Meeting 4 for Rev's Grill Website
Prepared by: Sua
Meeting Date: 4/11/2024

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Discuss completed tasks
- Discuss progress on ongoing tasks
- Discuss plans moving forward for backend and frontend integration

Status Update Since Last Meeting

Accomplishments:
- Set up backend hosting on server
- Completed most of customer / cashier order features
- Started implementing inventory management system
- Implemented better navigation for accessibility

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
View low-stock items (low, 20 min, incomplete, 5)	Sua	yes
Add a new ingredient (medium, 20 min, incomplete, 3)	Sua	yes
SSL certificate for backend cloud hosting	Surya	yes
Set up jaccaco	Surya	yes
Update ingredient (medium, 20 min, incomplete, 3)	Sua	yes
Delete ingredient (medium, 20 min, incomplete, 3)	Sua	yes
Excess report (low, 20 min, incomplete, 3)	Andrew	yes

Order button to submit order (low, 20 min, incomplete, 1)	Warren	yes
Order confirmation page (low, 20 min, incomplete, 2)	Warren	yes
Set up the cashier display front end (medium, 30 min, incomplete, 3)	Warren	yes
Set up categories for easier navigation *	Shweta	yes
Redesign the home landing page *	Shweta	yes

Before The Next Meeting

Plans:

- Add weather API
- Finish order page
- Add new menu items and ingredients
- Update ingredients and images for items on backend

Task Assignments:

Task Description	Assigned to
Order button to submit order	Warren
Display weather (low, 20 min, incomplete, 5)	Andrew
Add a new menu item (medium, 20 min, incomplete, 3)	Surya
Add a new ingredient (medium, 20 min, incomplete, 3)	Sua
A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)	Sua
Implement update image	Shweta
Update order (medium, 20 min, incomplete, 3)	Sua
Delete order (medium, 20 min, incomplete, 3)	Sua
Implement date filter (4)	Andrew
Update menu item (medium, 20 min, incomplete, 3)	Surya
Delete menu item (medium, 20 min, incomplete, 3)	Surya
What sells together - ordering trend report (low, 20 min, incomplete, 2)	Andrew
Order confirmation page	Warren
Implement the ordering confirmation page	Warren
Include pictures of each item	Shweta

Minutes from Previous Meeting

Summarize discussion in paragraph form from the previous meeting (NOT this current meeting).

We were able to finish most of the tasks that we had planned to complete from the last meeting. We were able to implement most of the functionalities for each page and made sure we were effectively communicating what we are currently working on at the moment to keep everyone in the loop and made sure we were on track to finishing everything for sprint 2 on time before the GitHub Release. We still had a lot of tasks that needed to be completed since we had planned to do most of the tasks over the weekend, so we made sure that everyone was clear on what they needed to work on.

SCRUM Meeting 5 for Rev's Grill Website
Prepared by: Warren
Meeting Date: 4/13/2024

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Discuss completed tasks
- Backend issue with Order History
- Discuss plans for sprint 3

Status Update Since Last Meeting

Accomplishments:
- Completed a all of the manager side - inventory, menu, trends, and order history
- Completed cashier and customer side order functionality
- Finished all backend tasks
- Completed most of the Sprint 2 tasks

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Search bar to search for items while taking order from customer	Warren	yes
Display weather (low, 20 min, incomplete, 5)	Andrew	yes
Add a new menu item (medium, 20 min, incomplete, 3)	Surya	yes
Add a new ingredient (medium, 20 min, incomplete, 3)	Sua	yes
A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)	Sua	yes
Implement update image	Shweta	yes

Update order (medium, 20 min, incomplete, 3)	Sua	yes
Delete order (medium, 20 min, incomplete, 3)	Sua	yes
Implement date filter (4)	Andrew	yes
Update menu item (medium, 20 min, incomplete, 3)	Surya	yes
Delete menu item (medium, 20 min, incomplete, 3)	Surya	yes
What sells together - ordering trend report (low, 20 min, incomplete, 2)	Andrew	yes
Order confirmation page	Warren	yes
Implement the ordering confirmation page	Warren	yes
Include pictures of each item	Shweta	yes

Before The Next Meeting

Plans:

- Complete the few holdover tasks not completed in Sprint 2
- Plan for Sprint 3

Task Assignments:

Task Description	Assigned to
Look at remaining backlog for Sprint 2	Andrew
Plan task items for Sprint 3	Andrew

Minutes from Previous Meeting

Summarize discussion in paragraph form from the previous meeting (NOT this current meeting).

In our final meeting for sprint 2, we finalized the tasks that needed to be completed for the GitHub Release. We were able to complete most of the tasks planned for this sprint including implementing the login functionality, splitting the menu into multiple pages, finalizing the ordering pages for customers, cashiers, and managers, implementing the inventory page with add/update/delete functionality, and the sales trend page.

We ran into a backend issue where the existing orders did not have values for the "itemToQuantity" attribute. Because of this issue, we were not able to populate the order history page with the actual orders, so we populated the page with test data. We also were not able to implement the edit order history functionality since we would need the "itemToQuantity" attribute data to edit how many items were ordered for each item.

We also discussed plans for sprint 3: we plan to implement the rest of the tasks that are not completed in the product backlog which primarily includes the implementation of accessibility features and developing testing for the backend and frontend.