



# Sprint 3 Materials

## BOGO SORT CONNOISSEURS



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## Retrospective Summary

Overall, our Sprint 3 was successful as we were able to finish all of our planned tasks on time. Since we had a successful Sprint 2, most of our tasks left were implementing additional accessibility features, improving UI design, validating data, and testing. We continued to effectively communicate with each other as a group, updating on what tasks we were working on at the moment and the problems we encountered. By the end of the sprint, we had a working MVP with all the features we wanted to implement and were able to demo successfully. We plan to focus on both frontend and backend testing until the final presentation and prepare

## GitHub Release Link

<https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-project-3-901-7/releases/tag/3.0.0>



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# 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)



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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)



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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

#### Cook:

1. Edit Orders table in database to include 'status' attribute
2. Create cook page that shows received & in progress tickets



## Sprint Backlog

Task	Assigned to	Story Points	Priority	Time Estimate (min)	Status
<b>Inventory - Manager</b>					
data validation for quantity, min quantity, and price	Sua	3	medium	20	Complete
implement edit for other inventory attributes	Sua	2	medium	20	Complete
add a confirmation pop-up for deleting an ingredient	Sua	3	medium	20	Complete
sort option to sort ingredient list - every column in the table	Sua	3	medium	20	Complete
add a confirmation pop-up for updating an ingredient	Sua	3	medium	20	Complete
<b>Accessibility</b>					
Implement translation button functionality	Shweta	3	high	20	Complete
Implement Google translate	Shweta	5	high	20	Complete
Run accessibility checker -- add tasks to support good things	Andrew	5	high	10	Complete
Dark Mode	Warren	5	high	20	Complete
Enlarge Text	Andrew	5	high	20	Complete
Recommend Menu item based on weather	Andrew	5	high	20	Complete
<b>Order History - Manager</b>					
sort option to sort ingredient list (medium, 20 min, incomplete, 4)	Sua	4	medium	20	Complete
A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)	Sua	3	medium	20	Complete
Update order (medium, 20 min, incomplete, 3)	Sua	3	medium	20	Complete
Delete order (medium, 20 min, incomplete, 3)	Sua	3	medium	20	Complete
add a confirmation pop-up for updating an order (medium, 20 min, incomplete, 4)	Sua	3	medium	20	Complete



add a confirmation pop-up for deleting an order (medium, 20 min, incomplete, 4)	Sua	3	medium	20	Complete
put start date after end date	Andrew	5	low	5	Complete
Fix the backend for order history - itemToQuantity attribute	Shweta	2	high	40	Complete
<b>Ordering</b>					
Allow user to directly input quantity (so user doesn't have to click + 50 times)	Warren	3	low	10	Complete
Add search functionality to cashier ordering page	Warren	4	low	10	Complete
List IDs for each item and even spacing for item elements	Warren	5	low	30	Complete
Add manager navbar component to cashier ordering page	Surya	4	low	5	Complete
Send help ticker when help button is clicked	Warren	5	medium	20	Complete
Add quick ordering via IDs functionality	Warren	5	low	10	Complete
<b>Menu - Manager</b>					
Add confirmation to delete menu item	Surya	4	medium	15	Complete
Sort for every column in the table	Surya	5	high	10	Complete
Validate inputs to new and update menu item	Surya	4	medium	10	Complete
<b>Sales Trend</b>					
put start date after end date	Andrew	4	low	10	Complete
<b>Menu Screens</b>					
Update styling to look appealing	Shweta	3	low	30	Complete
<b>Home landing page</b>					
Update styling to look appealing	Shweta	3	low	30	Complete
<b>Login</b>					
Add cashier login functionality	Surya	3	medium	30	Complete
Add non google oauth login functionality	Surya	3	medium	15	Complete
Connect to cashier home or manager home depending on login type	Surya	3	medium	10	Complete
Set up admin home	Surya	3	medium	30	Complete



Implement admin add cashier/manager backend edit	Surya	4	medium	20	Complete
Implement admin delete cashier/manager backend edit	Surya	4	medium	20	Complete
\\a profile page for cashier w clock in and out	Shweta	5	medium	10	Complete
a profile page for manager w cashier management thig	Shweta	4	medium	10	Complete
implement clock for timesheets	Shweta	3	medium	10	Complete
<b>Backend Testing</b>					
Set up backend testing	Andrew	3	high	20	Complete
Write unit test for each endpoint	Andrew	3	high	40	Complete
Write edge cases (invalid input) for each endpoint	Andrew	3	high	40	Complete
Secure the databse password and change the .env	Shweta	2	high	20	Complete
<b>Frontend Testing</b>					
Set up frontend testing	Warren	3	high	20	Complete
Write tests for each component	Warren	3	high	40	Complete
<b>COOK</b>					
Edit Orders table in database	Shweta	3	high	30	Complete
Create cook page that shows	Sua	3	medium	40	Complete

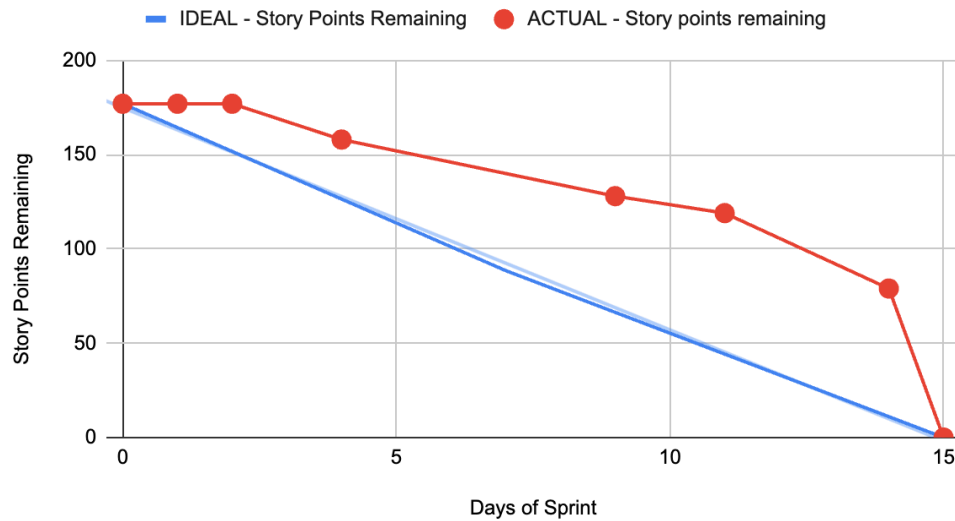
Team Member	Sprint 1 User Story Points	Sprint 2 User Story Points	Sprint 3 User Story Points
Andrew Bekeov	11	28	33
Shweta Kumaran	18	28	33
Sua Bae	19	31	36
Surya Jasper	18	25	37
Warren Wu	19	36	33



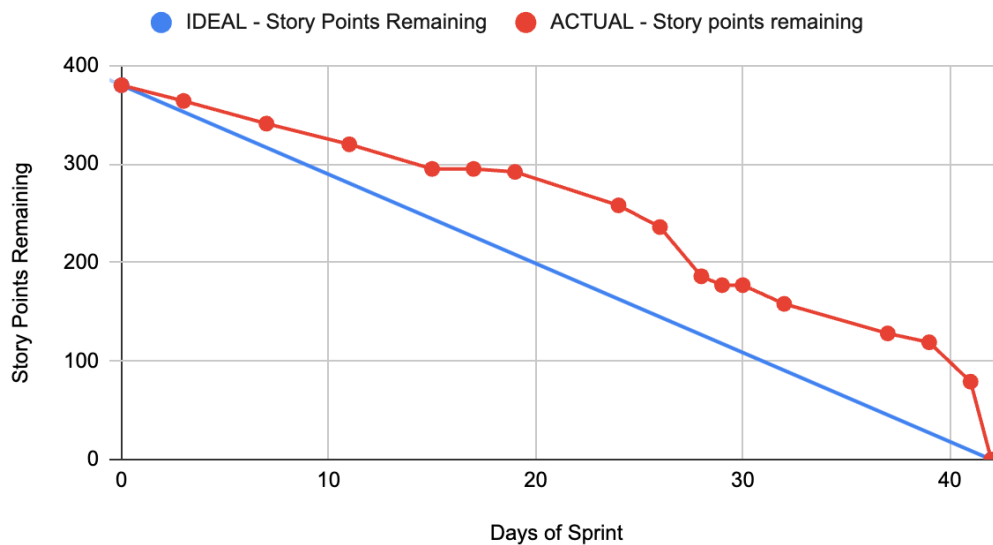


## Burn-down Charts

### Sprint 3 Burndown Chart



### Product Burndown Chart





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## Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Standup Meeting 1 for Rev's Grill Website

Prepared by: Shweta

Meeting Date: 4/15/2024

### 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 2 and demoed successfully
- Discuss sprint 3 planning and schedule

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Discuss when to meet for sprint 3 planning	Andrew	yes
Sprint 3 retrospective scheduled	Andrew	yes

### Before The Next Meeting

Plans:

- Think of any new features to implement



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## Minutes from Previous Meeting

Through the meeting, each member discussed various things they did to ensure the success of sprint 2. 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 3. This was utilized to brainstorm and make logistical and planning decisions for sprint 3. For sprint 3, we decided to implement all of our accessibility features, improve the UI of various pages, and ensure smooth navigation.



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## SCRUM Standup Meeting 2 for Rev's Grill Website

Prepared by: Shweta

Meeting Date: 4/18/2024

### 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:

- Fixed the backend issue from sprint 2
- Started securing login

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Fix the backend for order history - itemToQuantity attribute	Shweta	yes
Add cashier login functionality	Surya	yes
Add non google oauth login functionality	Surya	yes

### Before The Next Meeting

Plans:

- Start sprint tasks
- Implement data validation
- Add more login functionality



## Task Assignments:

Task Description	Assigned to
data validation for quantity, min quantity, and price	Sua
implement edit for other inventory attributes	Sua
add a confirmation pop-up for deleting an ingredient	Sua
Allow user to directly input quantity (so user doesn't have to click + 50 times)	Warren
Add search functionality to cashier ordering page	Warren
List IDs for each item and even spacing for item elements	Warren
Update styling to look appealing	Shweta
Secure the database password and change the .env	Shweta
Connect to cashier home or manager home depending on login type	Surya
Set up admin home	Surya
Implement admin add cashier/manager backend edit	Surya
Recommend Menu item based on weather	Andrew

## Minutes from Previous Meeting

Through this sprint meeting, the team went through the tasks that were given. Some issues from sprint 2 have been resolved to start sprint 3. Login functionality concerns were raised last meeting and progress has been made. We hope to fix the data validation issues by the next meeting and finish details. Everyone is confident in finishing all tasks.



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## SCRUM Meeting 3 for Rev's Grill Website

Prepared by: Surya

Meeting Date: 4/23/2024

## 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:

- Implement data validation
- Fixes in ordering page and new functionalities
- Update styling
- Security implementations

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
data validation for quantity, min quantity, and price	Sua	yes
implement edit for other inventory attributes	Sua	yes
add a confirmation pop-up for deleting an ingredient	Sua	yes
Allow user to directly input quantity (so user doesn't have to click + 50 times)	Warren	yes
Add search functionality to cashier ordering page	Warren	yes
List IDs for each item and even spacing for item elements	Warren	yes



Update styling to look appealing	Shweta	yes
Secure the database password and change the .env	Shweta	yes
Connect to cashier home or manager home depending on login type	Surya	yes
Set up admin home	Surya	yes
Implement admin add cashier/manager backend edit	Surya	yes
Recommend Menu item based on weather	Andrew	yes

## Before The Next Meeting

Plans:

- Implement table sorting
- Implement date filters
- Implement translation
- Implement help ticker
- Update styling and consolidate navigation bars

Task Assignments:

Task Description	Assigned to
sort option to sort ingredient list - every column in the table	Sua
add a confirmation pop-up for updating an ingredient	Sua
Implement translation button functionality	Shweta
Implement Google translate	Shweta
Run accessibility checker -- add tasks to support good things	Andrew
put start date after end date	Andrew
sort option to sort ingredient list (medium, 20 min, incomplete, 4)	Sua
A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)	Sua
Update order (medium, 20 min, incomplete, 3)	Sua
Delete order (medium, 20 min, incomplete, 3)	Sua
Add manager navbar component to cashier ordering page	Surya
Send help ticker when help button is clicked	Warren
Add quick ordering via IDs functionality	Warren



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Update styling to look appealing	Shweta
Implement admin delete cashier/manager backend edit	Surya

## 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 scheduled to set out many tasks and start working on the implementation of features suggested in the demo. We also are set to start working on the cook page and discussed the layout and details of that. Thus, through planning, we are confident to finish tasks.





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## SCRUM Meeting 4 for Rev's Grill Website

Prepared by: Sua

Meeting Date: 4/25/2024

## 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:

- Sorting options
- Google translate
- Date filters
- Order updates
- Help ticket
- Styling, navbar

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
sort option to sort ingredient list - every column in the table	Sua	yes
add a confirmation pop-up for updating an ingredient	Sua	yes
Implement translation button functionality	Shweta	yes
Implement Google translate	Shweta	yes
Run accessibility checker -- add tasks to support good things	Andrew	yes



put start date after end date	Andrew	yes
sort option to sort ingredient list (medium, 20 min, incomplete, 4)	Sua	yes
A table with a list of orders with its attributes (medium, 20 min, incomplete, 4)	Sua	yes
Update order (medium, 20 min, incomplete, 3)	Sua	yes
Delete order (medium, 20 min, incomplete, 3)	Sua	yes
Add manager navbar component to cashier ordering page	Surya	yes
Send help ticker when help button is clicked	Warren	yes
Add quick ordering via IDs functionality	Warren	yes
Update styling to look appealing	Shweta	yes
Implement admin delete cashier/manager backend edit	Surya	yes

## Before The Next Meeting

### Plans:

- Confirmation pop ups
- Accessibility features - dark mode, enlarge test
- Menu manager view
- Clock in and clock out pages
- Testing
- Cook page

### Task Assignments:

Task Description	Assigned to
add a confirmation pop-up for updating an order (medium, 20 min, incomplete, 4)	Sua
add a confirmation pop-up for deleting an order (medium, 20 min, incomplete, 4)	Sua
Run accessibility checker -- add tasks to support good things	Andrew
Enlarge Text	Andrew
Dark Mode	Warren



Add confirmation to delete menu item	Surya
Sort for every column in the table	Surya
Validate inputs to new and update menu item	Surya
Update styling to look appealing	Shweta
\a profile page for cashier w clock in and out	Shweta
a profile page for manager w cashier management thig	Shweta
implement clock for timesheets	Shweta
Set up backend testing	Andrew
Write unit test for each endpoint	Andrew
Write edge cases (invalid input) for each endpoint	Andrew
Set up frontend testing	Warren
Write tests for each component	Warren
Edit Orders table in database	Shweta
Create cook page that shows	Sua

## Minutes from Previous Meeting

We were able to finish a good amount of tasks and fixes to ensure that we finish accessibility and kitchen features. The team finished table styling, data validation, and security tasks. We hope to finish all of these tasks by the end of the sprint. We are aware there are a few days left, however the team is pretty confident. Details about the kitchen and cook page were sorted out and are off to implementation. Additionally, accessibility features are planned to be made and tested.



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## SCRUM Meeting 5 for Rev's Grill Website

Prepared by: Warren

Meeting Date: 4/17/2024

## 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:

- Confirmation pop ups
- Accessibility features - dark mode, enlarge test
- Menu manager view
- Clock in and clock out pages
- Testing
- Cook page

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
add a confirmation pop-up for updating an order (medium, 20 min, incomplete, 4)	Sua	yes
add a confirmation pop-up for deleting an order (medium, 20 min, incomplete, 4)	Sua	yes
Run accessibility checker -- add tasks to support good things	Andrew	yes
Enlarge Text	Andrew	yes
Dark Mode	Warren	yes



Add confirmation to delete menu item	Surya	yes
Sort for every column in the table	Surya	yes
Validate inputs to new and update menu item	Surya	yes
Update styling to look appealing	Shweta	yes
\\a profile page for cashier w clock in and out	Shweta	yes
a profile page for manager w cashier management thig	Shweta	yes
implement clock for timesheets	Shweta	yes
Set up backend testing	Andrew	yes
Write unit test for each endpoint	Andrew	yes
Write edge cases (invalid input) for each endpoint	Andrew	yes
Set up frontend testing	Warren	yes
Write tests for each component	Warren	yes
Edit Orders table in database	Shweta	yes
Create cook page that shows	Sua	yes

## Before The Next Meeting

### Plans:

- Complete the few holdover tasks that may emerge upon demo and retro meeting
- Plan for presentation

### Task Assignments:

Task Description	Assigned to
Look to add any more tasks	Andrew
Plan for presentation	Andrew

## Minutes from Previous Meeting



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The team is wrapping up final details and tasks and has completed the sprint tasks. Accessibility was tested. However, a critical issue arose due to the Google translate. This is an issue the scrum master plans to bring up. Beyond that, other features were implemented and the system was tested.