Sprint 1 Materials

UrMother

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Retrospective Summary

During the sprint, several aspects went well, while others presented challenges. The team successfully completed foundational setup tasks, including establishing consistent environments, setting up github branches and ensuring smooth project organization in Netxt.js and React. This allowed individuals to work effectively on features such as the kiosk and menu board views as well as basic database connections. Accomplishments included completing components for the kitchen and cashier views, connecting server and database elements, and ensuring proper github workflow.

However, some difficulties arose. The team encountered roadblocks when integrating branches due to occasional merge conflicts, especially as overlapping tasks led to dependencies between features. Additionally, porting GUI elements and implementing advanced functionality, like sorting features and button functions, proved more time intensive than estimated.

Moving forward, a more structured merge schedule could reduce conflicts, while breaking tasks into smaller increments might improve feature tracking. To align backlog items with priorities, more time might be allocated to high priority features like menu item sorting and database connections. Tasks left incomplete, such as the full implementation of cashier view functionalities and sorting options, were delayed due to dependency issues and unfamiliarity with certain frameworks.

GitHub Release Link

https://github.com/CSCE331-Fall2024/project-3-52-urmother/releases/tag/v1

Product Backlog

#	Task	Priority	Dependencies	Time Estimate	Points	Status
1	Port GUI.java to JS	High	N/A	6hr	6	In progress
2	Port CustomActionListener to JS	High	N/A	5hr	5	In Progress
3	Port AddEmployee to JS	Medium	N/A	3hr	3	Not started
4	Port AddMenuItem to JS	High	N/A	2hr	2	Not started
5	Port DeleteMenuItem to JS	High	N/A	2hr	2	Not started
6	Port DeleteEmployee to JS	Medium	N/A	3hr	3	Not started
7	Port EmployeeInfo to JS	Medium	N/A	3hr	3	Not started
8	Port InventoryReport to JS	Medium	N/A	3hr	3	Not started
9	Port LoginPage to JS	High	N/A	3hr	3	Completed
10	Port SalesReport to JS	Medium	N/A	4hr	4	Not started
11	Port XReport to JS	Medium	N/A	4hr	4	Not started
12	Port UpdateInventory to JS	Medium	N/A	4hr	4	Not started
13	Port ZReport to JS	Medium	N/A	4hr	4	Not started
—	**React**	—	—	—	—	—

14	Create React components for Cashier view	High	N/A	3hr	3	In Progress
15	Create React components for Manager view	High	N/A	3hr	3	Not started
—	**Kitchen View**	—	—	—	—	—
16	Create card layout for kitchen view	High	Task 14	1hr	2	Completed
17	Generate new cards with kiosk orders for kitchen view	High	Task 14, 16	2hr	2	Not started
18	Create React components for kitchen cards	High	Task 14, 16	1hr	1	Completed
19	Implement Complete button functionality for kitchen cards	High	Task 14, 18	2hr	2	In progress
20	Implement In Progress button functionality for kitchen cards	High	Task 14, 18	2hr	2	In progress
21	Implement timer for orders that take too long	Medium	Task 14, 18	1hr	1	In progress
22	Add queue for orders that don't fit on screen	Medium	Task 14	3hr	3	In progress
23	Connect inventory to kitchen card completion	High	N/A	1hr	1	Not started
24	Connect orders table to kitchen card completion	High	N/A	1hr	1	Not started
25	Connect order_items to kitchen cards	High	N/A	1hr	1	Completed
26	Design customer table for database	High	N/A	1hr	1	Completed
27	Add and populate customer table in database	High	Task 26	2hr	2	Completed
28	Create point system as rewards for customers	Low	Task 24, 25, 27	4hr	4	Not started
29	Implement getting points	Low	Task 28	2hr	2	Not

	upon an order cashout					started
—	**Menu Board**	—	—	—	—	—
30	Design menu board layout	High	N/A	2hr	2	Completed
31	Create React components for menu board front end	High	Task 30	3hr	3	Completed
32	Connect menu board items to menu_items database table	High	Task 30	2hr	2	Completed
33	Display menu prices	High	Task 32	1hr	1	Completed
34	Display menu item descriptions on menu board	High	Task 32	1hr	1	Not started
35	Display weekly deals on menu board	Low	Task 32	1hr	1	Not started
36	Redesign menu_items table (add real description, create new columns for allergens, and extra info ie spicy or wok meal)	High	Task 32	4hr	4	Completed
37	Add spicy and wok meal icons next to menu board items	Low	Task 36	2hr	2	Not started
—	**Kiosk**	—	—	—	—	—
38	Develop kiosk view	High	N/A	3hr	3	Completed
39	Create React components for kiosk	High	Task 38	3hr	3	Completed
40	Grey out items that are out of stock	High	Task 38	3hr	3	Not started
41	Implement cash out for kiosk view	High	Task 39	2hr	2	In progress
42	Implement coupon codes for kiosk checkout	Low	Task 39	2hr	2	Not started

43	Add ability to include promotional deals on kiosk (weekly)	Low	Task 39	2hr	2	Not started
44	Design kiosk view	Low	Task 38	2hr	2	Completed
45	Connect kiosk view to database	High	Task 44	2hr	2	Completed
46	Add pictures to kiosk menu	Low	Task 44	1hr	1	Not started
47	Display total order price in the kiosk	High	Task 44	1hr	1	Completed
48	Add menu item descriptions to kiosk	Low	Task 36, 44	1hr	1	Not started
49	Add alternate text for all images	Low	Task 44	1hr	1	Not started
50	Add spicy and wok meal icons next to kiosk items	Low	Task 36, 44	3hr	3	Not started
51	Add checkboxes to kiosk view to sort/prioritize menu items	Medium	Task 44	4hr	4	Not started
52	Clean up kiosk visuals	Low	Task 44	1hr	1	Not started
—	**General**	—	—	—	—	—
53	Find API to translate page to different languages	Low	N/A	1hr	1	Not started
54	Implement API to translate pages to different languages	Low	Task 53	1hr	1	Not started
55	Find API to get weather	Low	N/A	1hr	1	Not started
56	Implement weather display for all pages	Low	N/A	1hr	1	Not started
57	Find API for authentication	Low	N/A	2hr	2	Not started

58	Implement API for authentication	Low	Task 56	3hr	3	Not started
59	Host system on the web-based application	High	Task 1-15, 18, 31, 39	1hr	1	Not started
60	Update database tables	High	N/A	2hr	2	In Progress
61	Add text to speech feature	Low	N/A	2hr	2	Not started
62	Add dark mode/high contrast mode	Low	N/A	1hr	1	Not started
63	Create a database table for deals/promotions	Low	N/A	2hr	2	Not started

Sprint Backlog

#	Task	Priority	Dependencies	Time Estimate	Points	Status
9	Port LoginPage to JS	High	N/A	3hr	3	Completed
1	Port GUI.java to JS	High	N/A	6hr	6	In progress
2	Port CustomActionListener to JS	High	N/A	5hr	5	In Progress
14	Create React components for Cashier view	High	N/A	3hr	3	In Progress
16	Create card layout for kitchen view	High	Task 14	1hr	2	Completed
18	Create React components for kitchen cards	High	Task 14, 16	1hr	1	Completed

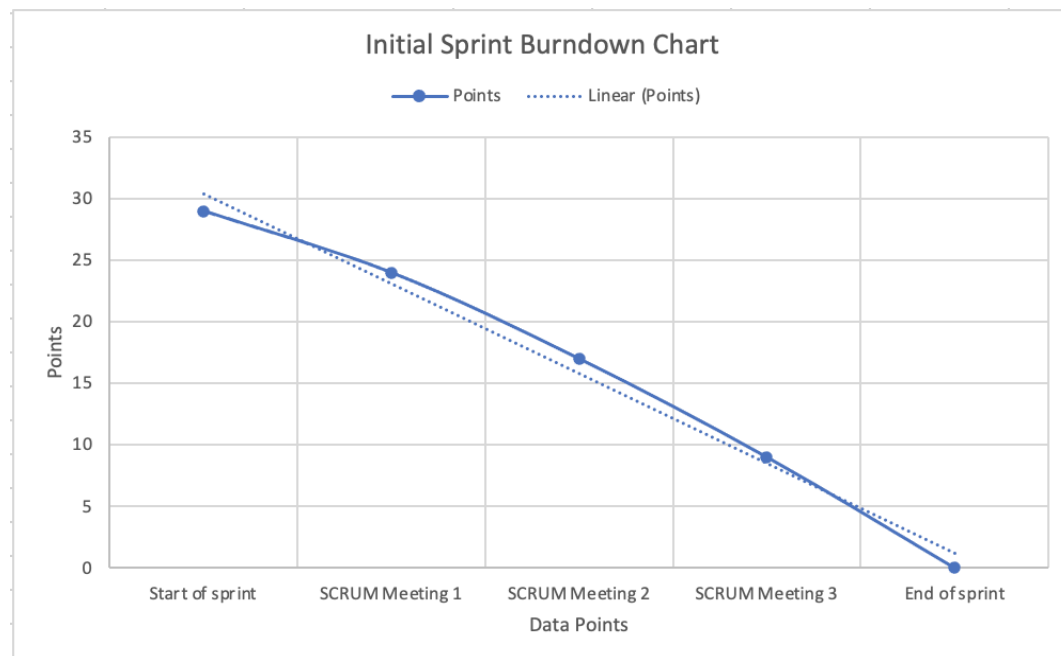| 19	Implement Complete button functionality for kitchen cards	High	Task 14, 18	2hr	2	In progress
20	Implement In Progress button functionality for kitchen cards	High	Task 14, 18	2hr	2	In progress
22	Add queue for orders that don't fit on screen	Medium	Task 14	3hr	3	In progress
25	Connect order_items to kitchen cards	High	N/A	1hr	1	Completed
26	Design customer table for database	High	N/A	1hr	1	Completed
27	Add and populate customer table in database	High	Task 26	2hr	2	Completed
30	Design menu board layout	High	N/A	2hr	2	Completed
31	Create React components for menu board front end	High	Task 30	3hr	3	Completed
32	Connect menu board items to menu_items database table	High	Task 30	2hr	2	Completed
33	Display menu prices	High	Task 32	1hr	1	Completed
38	Develop kiosk view	High	N/A	3hr	3	Completed
39	Create React components for kiosk	High	Task 38	3hr	3	Completed
41	Implement cash out for kiosk view	High	Task 39	2hr	2	In progress
44	Design kiosk view	Low	Task 38	2hr	2	Completed
45	Connect kiosk view to database	High	Task 44	2hr	2	Completed
47	Display total order price in the kiosk	High	Task 44	1hr	1	Completed

Summary table:

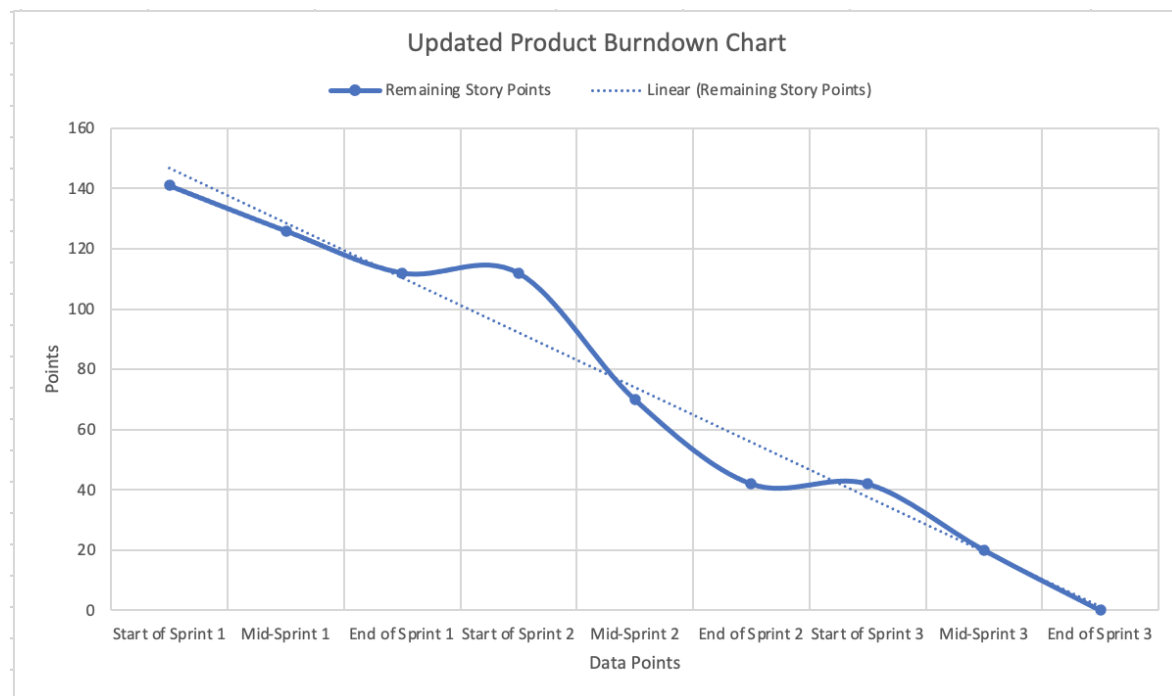| Team Member	# of Completed Points (Sprint 1)	# of Completed Points (Sprint 2)	# of Completed Points (Sprint 3)
Emily	19	N/A	N/A
Jane	18	N/A	N/A
Sonika	10	N/A	N/A
Alexis	15	N/A	N/A
Yuexin	17	N/A	N/A

Burn-down Charts

Initial Sprint Burndown Chart

Product Burndown Chart

Updated Product Burndown Chart

Next Sprint's SCRUM Meeting Schedule

SCRUM meeting 1 (Sprint 2):

Meeting Date: 11/06/24

SCRUM meeting 2 (Sprint 2):

Meeting Date: 11/08/24

SCRUM meeting 3 (Sprint 2):

Meeting Date: 11/11/24

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Project 3 (Sprint 1)

Prepared by: Jane
Meeting Date: 10/23/24

Meeting Attendees

1. Emily
2. Jane
3. Sonika
4. Alexis
5. Yuexin

Meeting Agenda Items

- Setting up workspaces by installing programs
- Making sure everyone's code can run the blank initial project
- Figuring out where in the project everyone will be doing their work
- Creating branches for each of us in github to add our separate features

Status Update Since Last Meeting

Accomplishments:
- Everyone's environments were set up the same
- Everyone could run the code
- Everyone understands how to use branches in github

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Created kiosk view	Emily	Yes
Reorganizing the project directories to work with next	Jane	Yes
Downloading all packages and setting up React	Sonika	Yes
Set up personal environment to run localhost	Alexis	Yes
Installed daisyUI for future design purposes	Yuexin	Yes

Before The Next Meeting

Plans:
- Get at least a basic view for each of the required pages
- Start to set up the backend side of the project
- Fix up the database from last project, adding new tables and updating old ones

Task Assignments:

Task Description	Assigned to
Create Menu View	Emily
Learning how to run the server and connect to the database	Jane
Create a plan for menu board layout	Sonika
Update menu_items database table, and add tables needed to include allergens	Alexis
Created Cashier view	Yuexin

Minutes from Previous Meeting

Because this was the first meeting, there was no previous meeting to summarize. However, prior to this meeting we had discussed generally how we wanted to make sure this project is more organized than the previous. We also had already discussed in general what we wanted each of our roles for this project to be. We decided to have more defined front-end versus back-end team members based on our individual strengths and interests, which we believe will overall increase the productivity and efficiency of development. Lastly, prior to the first meeting we decided what tech stack we wanted to use for this project based on our scope and our requirements, and we ended up choosing Next.js and React.

SCRUM Meeting 2 for Project 3 (Sprint 1)
Prepared by: Jane
Meeting Date: 10/25/24

Meeting Attendees

6. Emily
7. Jane
8. Sonika
9. Alexis
10. Yuexin

Meeting Agenda Items

- Discuss what everyone completed since last meeting
- Discuss any major roadblocks anyone ran into while working
- Integrate various team members' branches into main and resolving conflicts
- Determine what we want to work on next based on our priorities

Status Update Since Last Meeting

Accomplishments:
- Having a basic understanding of the project structure, next, and react
- Having at least something for each of the required views, however blank

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Create Menu View	Emily	Yes
FIgured out database connection and connected menu items board to it	Jane	Yes
Created menu board layout	Sonika	Yes
Updated and created SQL files for multiple tables and updated database	Alexis	Yes
Connected the server with the database	Yuexin	Yes

Before The Next Meeting

Plans:
- Figure out connecting to the database
- Adding more buttons and organization to the different views

Task Assignments:

Task Description	Assigned to
Connect kiosk view with database	Emily
Connect kiosk view with database	Jane
Figure out how to connect menu to database	Sonika
Gather and edit images for every menu item in the kiosk	Alexis
Connected the cashier view to database	Yuexin

Minutes from Previous Meeting

In the previous meeting, we started out by discussing the basic structure of the project. Since none of us have ever worked with Next.js or React, it was important for us to all be on the same page and familiarize ourselves with the basics of how it works. Next, we each inspected our individual environments and made sure we had all the necessary installations and dependencies so that our projects would run correctly. We were all able to help each other along the way, as many of us were having similar issues, and got everyone's code to run. Finally, we looked at our github repository and made sure we understood how to use branches and do pull requests, because this is not something we did during Project 2 and we wanted to learn how it works for this project.

SCRUM Meeting 3 for Project 3 (Sprint 1)
Prepared by: Jane
Meeting Date: 10/28/24

Meeting Attendees

11. Emily
12. Jane
13. Sonika
14. Alexis
15. Yuexin

Meeting Agenda Items

- Discuss what everyone completed since last meeting
- Discuss any major roadblocks anyone ran into while working
- Integrate various team members' branches into main and resolving conflicts
- Determine what we want to work on next based on our priorities and our spring backlog

Status Update Since Last Meeting

Accomplishments:
- Connected to the database, and figured out how fetching from the database using a separate server works
- Fleshed out the menu and kiosk views more
- Added images to the kiosk view

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Connect kiosk view with database	Emily	Almost completed, jane was able to finish it
Connected kiosk view to database, including menu item names and prices	Jane	Yes
Display menu item names	Sonika	Yes
Collected and edited images and icons for kiosk view	Alexis	Yes

Ported GUI	Yuexin	Completed part of it

Before The Next Meeting

Plans:
- Add filter functionality to kiosk items
- Continue porting functionality for cashier/manager view from previous project

Task Assignments:

Task Description	Assigned to
Add checkboxes to kiosk view to sort/prioritize menu items	Emily
Add combo functionality to kiosk view	Jane
Port Z Report and display weekly deals	Sonika
Assign proper spicy, wok smart, and premium icons to menu items	Alexis
Port login page	Yuexin

Minutes from Previous Meeting

During the previous meeting, we made sure that everyone was on the same page about how to connect to the database and how the server does the fetching. The logic flow for this section was discussed, meaning how and why each part is included. We also discussed a little bit more about how to keep the github branches organized, and how/when to push to main in github. Because our tasks for these past few days were more overlapping with each other, we had to be extra careful with who merged with who's branches and when.