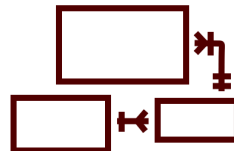# Sprint 2 Materials

Team 10 CPEN

TEAM 10
CPEN

Alexander Nuccitelli
Zhongyou Wu
Utsawb Lamichhane
Zane Meikle
Sean Lee
Jonathan Moore

Retrospective Summary

During the retrospective meeting, we discussed blockers in sprint 2 and possible ways of circumventing them. The group also discussed things we should keep doing, such as doing full team meetings where we work together on a single team document. It significantly helps with the sensation of being a part of a team and improves productivity.

The first blocker is the difficulty of performing CRUD operations with our current tech stack. There were limitations with prisma and client side components and that made it extremely tedious to make changes to the database from the application. Utsawb suggested using supabase, an open source firebase alternative, to both get around this issue and simply our tech stack. We planned to discuss with JD and, later, Prof. Ritchey about the possibility of going forward with this. Supabase would make development work much simpler as it handles a lot of grunt work for us and allow real time updates.

The second roadblock wasn't related to the project. We simply didn't have enough time to complete coursework from our other tedious project-based courses and our issues from this sprint. It's the last

few weeks of school, and the culmination of finals preparation and project crunches makes development more difficult.

We were not able to complete all of our backlog goals because of the aforementioned blockers. The biggest issue was our lack of understanding of Prisma. Because so much of our sprint 2 goals were based on performing CRUD (especially the updates) operations, not being able to use Prisma properly was detrimental to our progress.

GitHub Release Link

https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-902-10/releases/tag/v0.2

Product Backlog

	Title	Status	Estimate	Iteration	Assignees
	High Priority 4 Estimate: 8				
1	Add weather integration to the menu board using OpenWeather or something similar. #36	Done	2	Sprint 2	zsmeikle
2	Once the order button is pressed, the database should be updated with a new order and what was ordered. #46	Done	1	Sprint 2	Utsawb
3	Once the order button is pressed, the ingredients should be subtracted from the database that were used in the order. #47	Task Backlog Customer	1	Sprint 2	Utsawb
4	Manager screen needs to push to database for adding and editing menu items	Manager Menu Tasks	4	Sprint 2	jonath00n
+	Add item				
	Medium Priority 11 Estimate: 31.5				
5	Make button for excess report. #41	Done	0.5	Sprint 2	anuccitelli2
6	Make button for sales report. #39	Done	0.5	Sprint 2	anuccitelli2
7	Make button for product usage chart. #40	Done	0.5	Sprint 2	anuccitelli2
8	Make the menu board look visually pleasing, people should be able to clearly read items from afar. #35	Done	6	Sprint 2	zsmeikle
9	Populate order history #51	Done	2	Sprint 2	anuccitelli2
10	Allow for addition and removal of employees, which will automatically update the database.	Task Backlog Add/Rem...	4	Sprint 2	ZhongyouWuTAMU
11	Allow the ability to edit employee information and update it in the database.	Task Backlog Add/Rem...	3	Sprint 2	ZhongyouWuTAMU
12	Allow the modification of ingredients before adding an item to your cart. #49	Task Backlog Customer	7	Sprint 2	Utsawb
13	Stretch Goal: Add menu item by quantity #44	Task Backlog Cashier	3	Sprint 2	sean3-lee
14	Changing UI for Manager	Done	3	Sprint 2	jonath00n
15	Page to edit ingredients of menu items	Manager Menu Tasks	2	Sprint 2	jonath00n
+	Add item				

	Title	Status	Estimate	Iteration	Assignees
	Low Priority 7 Estimate: 25				
16	Make make the sales report. #37	Done	4	Sprint 2	anuccitelli2 and jon...
17	Make excess report. #60	Done	4	Sprint 2	anuccitelli2
18	Make a product usage chart. #38	Done	4	Sprint 2	anuccitelli2
19	Have an image associated with each menu item in order to improve the user experience. #45	Task Backlog Customer	5	Sprint 2	sean3-lee, Utsawb...
20	Stretch goal: Automatic switching to cashier page when logging in with employee account #43	Task Backlog Cashier	2	Sprint 2	sean3-lee
21	Add a description of each trend and what it does #61	Done	2	Sprint 2	anuccitelli2
22	Allow for the change to occur dynamically.	Manager Menu Tasks	4	Sprint 2	jonath00n
+	Add item				
	Stretch Goal 1 Estimate: 4				
23	Stretch Goal: make the text size adjustable to the screen for readability.	Task Backlog Cashier	4	Sprint 2	sean3-lee
+	Add item				

Sprint Backlog

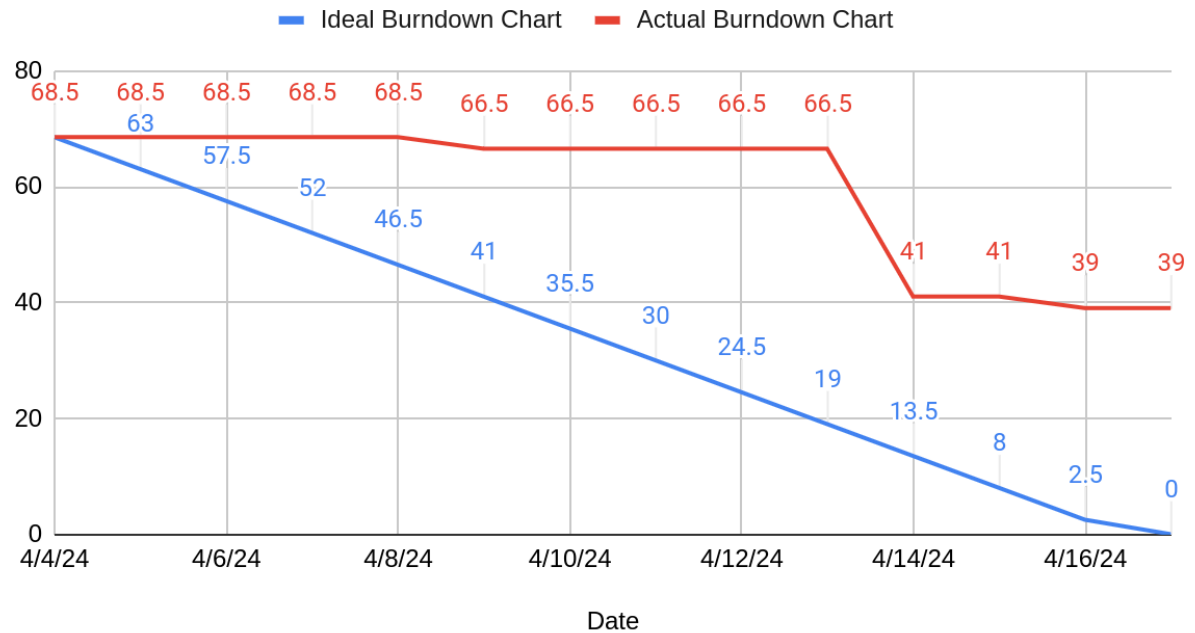|	Title	Status	Estimate	Iteration	Assignees
	High Priority 25 Estimate: 54.5 ...				
1	Make a page to sort all of the employee management features. #18	Done	1	Sprint 1	ZhongyouWuTAMU
2	Make a page for the menu board. #34	Done	1	Sprint 1	zsmeikle
3	Create a cart that displays all menu items that a customer selects before they order. #42	Done	3		Utsawb
4	Make a menu board that dynamically updates based on the current menu in the database. #33	Done	5	Sprint 1	zsmeikle
5	Make sure menu pops up in a seperate window that does not close with a button press #32	Done	1	Sprint 1	zsmeikle
6	Add weather integration to the menu board using OpenWeather or something similar. #36	Done	2	Sprint 2	zsmeikle
7	Add weather condition	Task Backlog Menu Board	0.5	Sprint 3	zsmeikle
8	Make an order screen that displays all menu items currently in the database. #2	Done	4	Sprint 1	Utsawb
9	Make sure that each item in the order screen displays the current price from the database. #5	Done	2	Sprint 1	Utsawb
10	Create an order button that allows for customers to order what is currently in the cart. #48	Done	1		
11	Once the order button is pressed, the database should be updated with a new order and what was ordered. #46	Done	1	Sprint 2	Utsawb
12	Once the order button is pressed, the ingredients should be subtracted from the database that were used in the order. #47	Task Backlog Customer	1	Sprint 2	Utsawb
13	Make sure that menu items that are shown to the customer are easily accessible and categorized in a way that makes sense.	Task Backlog Customer	6		
14	Add google translate support such that customers can change the language of the menu items and interface.	Task Backlog Customer	2		
15	Make a page to view trends. #20	Done	1	Sprint 1	anuccitelli2
16	Make a page for cashier. #31	Done	1	Sprint 1	sean3-lee
17	Make a cart and dynamic menu board without pictures for quick selection. #30	Done	5	Sprint 1	sean3-lee
18	Repeat edit menu page for ingredients	Manager Menu Tasks	6		jonath00n
19	Manager screen needs to push to database for adding and editing menu items	Manager Menu Tasks	4	Sprint 2	jonath00n
20	create a new connection from the manager screen to the database. #29	Done	2	Sprint 1	jonath00n
21	Research Prisma #62	In Progress	1	Sprint 3	anuccitelli2

	Title	Status	Estimate	Iteration	Assignees
	Medium Priority 22 Estimate: 58 ···				
26	Make button for excess report. #41	Done	0.5	Sprint 2	anuccitelli2
27	Make button for sales report. #39	Done	0.5	Sprint 2	anuccitelli2
28	Make button for product usage chart. #40	Done	0.5	Sprint 2	anuccitelli2
29	Make button for what sells together #19	Done	0.5	Sprint 1	anuccitelli2
30	Allow for a table that displays all current employees and their information. #28	Done	4	Sprint 1	ZhongyouWuTAMU
31	Create new data tables in the database for employee records and information. #27	Done	1	Sprint 1	ZhongyouWuTAMU
32	Make button for restock report. #17	Done	0.5	Sprint 1	anuccitelli2
33	Make the menu board look visually pleasing, people should be able to clearly read items from afar. #35	Done	6	Sprint 2	zsmeikle
34	Make page fill the screen and not have a scroll bar.	Task Backlog Menu Board	1	Sprint 3	zsmeikle
35	Implement the Menu Items Popularity Analysis Trend	Tasks Backlog Manager...	2.5		
36	Populate order history #51	Done	2	Sprint 2	anuccitelli2
37	Add date pickers to change the date of certian trends	Tasks Backlog Manager...	5		
38	Allow for addition and removal of employees, which will automatically update the database.	Task Backlog Add/Rem...	4	Sprint 2	ZhongyouWuTAMU
39	Allow the ability to edit employee information and update it in the database.	Task Backlog Add/Rem...	3	Sprint 2	ZhongyouWuTAMU
40	Allow the modification of ingredients before adding an item to your cart. #49	Task Backlog Customer	7	Sprint 2	Utsawb
41	Allow the modification of items in the cart, either remove or change ingredients of said item.	Task Backlog Customer	4		
42	In the selection for items, make all items that don't have requisite ingredients present in stock unselectable. #6	Done	3	Sprint 1	Utsawb
43	Stretch Goal: Add menu item by quantity #44	Task Backlog Cashier	3	Sprint 2	sean3-lee
44	Display all menu items (possibly with scrolling) #26	Done	2		
45	Changing UI for Manager	Done	3	Sprint 2	jonath00n
46	Make a page to add menu items #25	Done	3	Sprint 1	jonath00n

	Title	Status	Estimate	Iteration	Assignees
	Low Priority 14 Estimate: 49.5 ···				
48	Make make the sales report. #37	Done	4	Sprint 2	anuccitelli2 and jon...
49	Make excess report. #60	Done	4	Sprint 2	anuccitelli2
50	Make a product usage chart. #38	Done	4	Sprint 2	anuccitelli2
51	Make Restock Report #24	Done	4	Sprint 1	anuccitelli2
52	Make a what sells together chart. #23	Done	4	Sprint 1	anuccitelli2
53	Polish up formatting and look	Task Backlog Menu Board	4	Sprint 3	zsmeikle
54	Make a visually pleasing GUI for the manager to be able to use the new front end features.	Task Backlog Add/Rem...	6		
55	Have an image associated with each menu item in order to improve the user experience. #45	Task Backlog Customer	5	Sprint 2	) sean3-lee, Utsawb...
56	After completing an order, display a confirmation screen that shows all items ordered, total money spent, and an order number.	Task Backlog Customer	4		
57	Need a display for current cart with total price on the same page as the order screen #22	Done	2		
58	Stretch goal: Automatic switching to cashier page when logging in with employee account #43	Task Backlog Cashier	2	Sprint 2	sean3-lee
59	Make a button to edit ingredients within a menu item. #21	Done	0.5	Sprint 1	jonath00n
60	Add a description of each trend and what it does #61	Done	2	Sprint 2	anuccitelli2
61	Allow for the change to occur dynamically.	Manager Menu Tasks	4	Sprint 2	jonath00n
+	Add item				

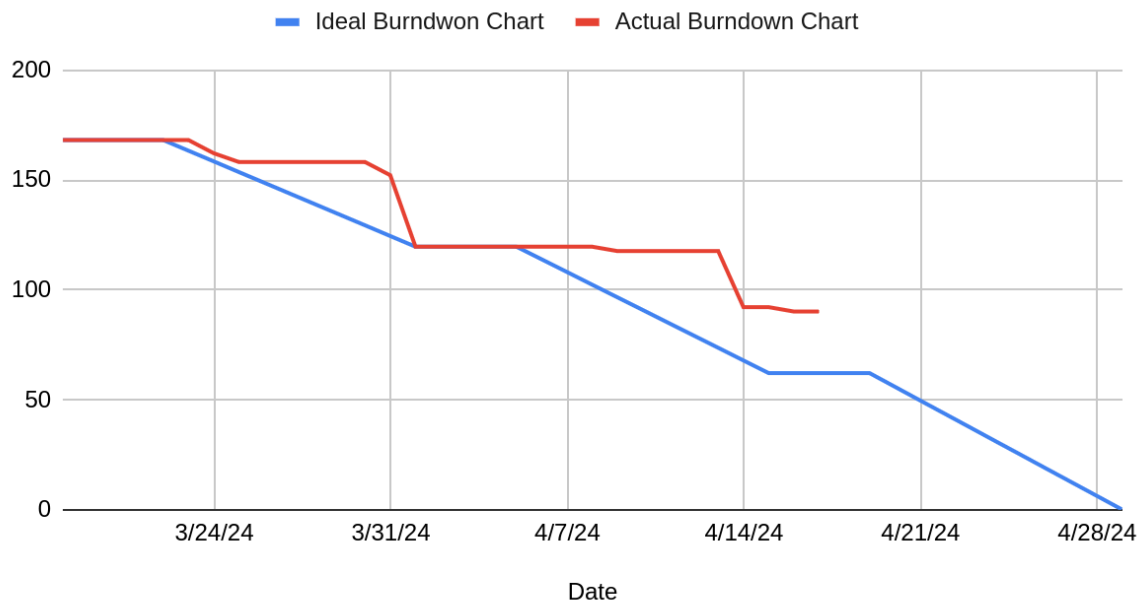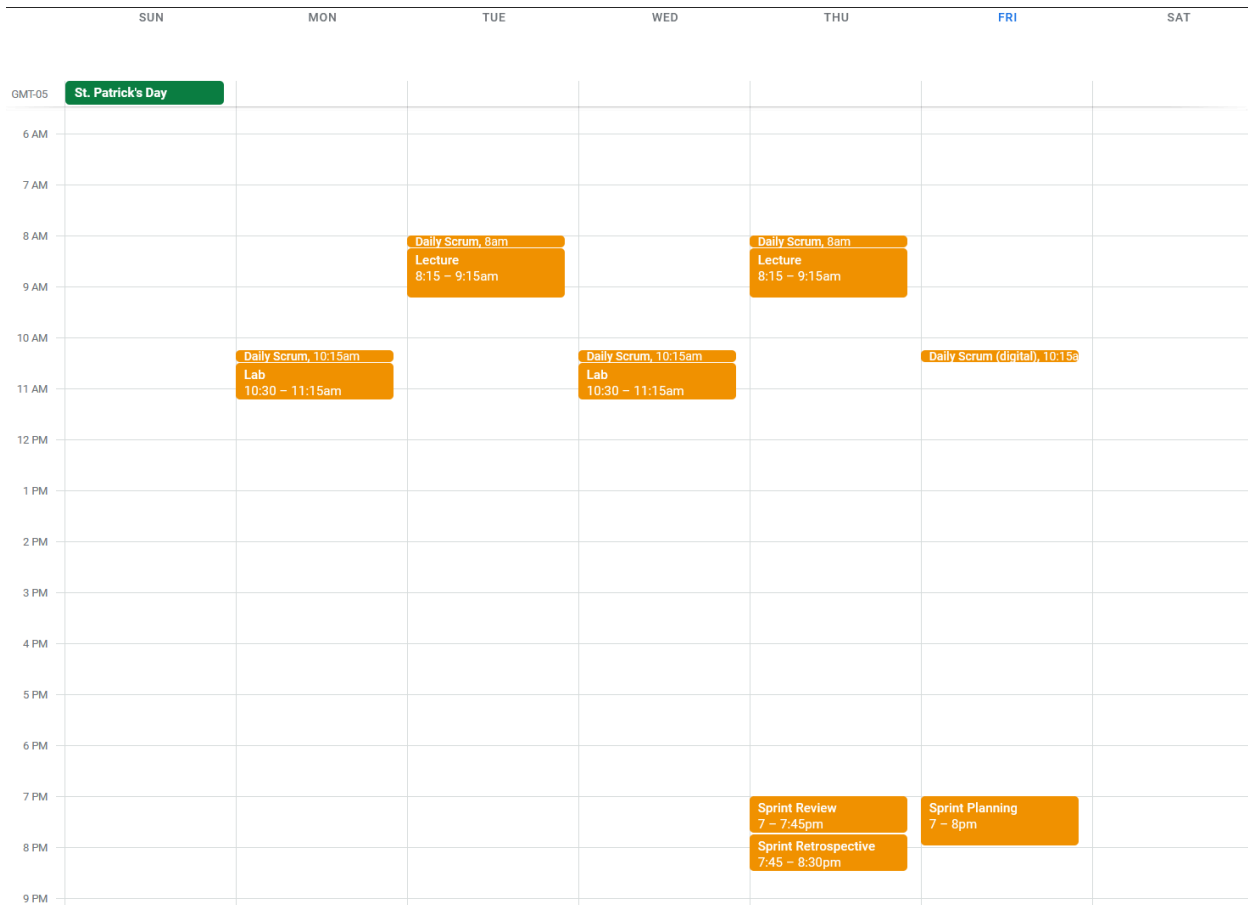|	Title	Status	Estimate	Iteration	Assignees
	Stretch Goal 7 Estimate: 25 ···				
62	Stretch Goal: Allow the menu board to be edited from a separate manager instance.	Task Backlog Menu Board	5		
63	Stretch Goal: manage menu board sessions from management screen.	Task Backlog Menu Board	3		
64	Get second board to cycle instead of stall while the other is still going #50	Task Backlog Menu Board	3	Sprint 3	zsmeikle
65	Clean up the page to make it look pretty	Tasks Backlog Manager...	4		
66	Stretch Goal: make the text size adjustable to the screen for readability.	Task Backlog Cashier	4	Sprint 2	sean3-lee

Burn-down Charts

Sprint 2 Burndown Chart

Total Burndown Chart

Next Sprint's SCRUM Meeting Schedule

	SUN	MON	TUE	WED	THU	FRI	SAT

GMT-05 — **St. Patrick's Day** (SUN)

TUE — Daily Scrum, 8am / Lecture 8:15 – 9:15am

THU — Daily Scrum, 8am / Lecture 8:15 – 9:15am

MON — Daily Scrum, 10:15am / Lab 10:30 – 11:15am

WED — Daily Scrum, 10:15am / Lab 10:30 – 11:15am

FRI — Daily Scrum (digital), 10:15a

THU — Sprint Review 7 – 7:45pm / Sprint Retrospective 7:45 – 8:30pm

FRI — Sprint Planning 7 – 8pm

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 2 for Rev's American Grill Web App POS
Prepared by: Zhongyou Wu
Meeting Date: Apr 8, 2024

Meeting Attendees

1. Alexander Nuccitelli
2. Zhongyou Wu
3. Zane Meikle
4. Sean Lee
5. Jonathan Moore

Meeting Agenda Items

- Progress since last meeting
- Blocker check up

Status Update Since Last Meeting

Accomplishments:
- Random selection implemented for the menu board

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Display a selection for the menu board	Zane Meikle	Yes

Before The Next Meeting

Plans:
- Implement accessibility persona for some of the pages
- Learn how to prisma
- Make Menu board look nice

Task Assignments:

Task Description	Assigned to

Populate database with order history	Alexander Nuccitelli

Minutes from Previous Meeting

Sprint 2 Daily Scrum Meeting #1

Minute 0

Sean: Since last time, brainstorming optimization for query and accessibility.

Plan to do today, put the cart on the left for the cashier.

Blocker: school

Minute 1-5

Zane: Thinking about implementing menu board so it cycles through

Plan to do today, Get started on thinking about implementing the above.

Blocker: School

Moved tasks from Sprint 2 to 3

Minute 6

Alex: Implements hints for trends buttons.

Plan to do: Populate database for order history

Blocker: Forgot to install a package

Minute 7-8

Wu: Added the add employee and employees actually show up, not just managers.

Plan to do: Add the employee editor

Blocker: Life

Minute 9

Jonathan: Nothing

Plan to do: Figure out how to pull ingredients connected to a menu item from the database .

Blocker: Prisma does not like relational database

SCRUM Meeting 3 for Rev's American Grill Web App POS
Prepared by: Zhongyou Wu
Meeting Date: Apr 9

Meeting Attendees

6. Alexander Nuccitelli
7. Zhongyou Wu
8. Zane Meikle
9. Sean Lee
10. Jonathan Moore

Meeting Agenda Items

- Progress since last meeting
- Blocker check up

Status Update Since Last Meeting

Accomplishments:
- Database is fully populated and ready

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Populate database	Alexander Nuccit…	Yes

Before The Next Meeting

Plans:
- Work on trends
- Work on implementing OpenWeather API
- Improve UI design on a few pages

Task Assignments:

Task Description	Assigned to
Implement OpenWeather API	Zane Meikle

Minutes from Previous Meeting

Minute 0:

Alexander:

Started on populating the database, ran into a little issues. Worked on deliverables.

Finish up the database and the team meeting slides.

Issue: Database was refactored and generating the database is annoying because we need to display ingredients

Minute 1:

Zane:

Implemented random selection from the menu board. Also implemented recommended items based on temperature.

Make the GUI look nice with layout

Impediment: Had to do it server-side

Minute 2:

Johnathan

Tried to hook up the edit menu screen to the database.

Today going to look more into prisma

Impediments: Prisma is very foreign and needs more familiarity

Minute 3:

Sean

Tried to add the visual cart feature on the cashier page.

Plan to do today: Implement accessibility persona.

Impediments: Tailwind CSS is foreign and weird

Minute 4:

Wu

Plan to do today: finish up the editor

Impediments:

SCRUM Meeting 4 for Rev's American Grill Web App POS
Prepared by: Zhongyou Wu
Meeting Date: Apr 11

Meeting Attendees

11. Alexander Nuccitelli
12. Zhongyou Wu
13. Zane Meikle
14. Sean Lee
15. Jonathan Moore

Meeting Agenda Items

- Progress since last meeting
- Blocker check up

Status Update Since Last Meeting

Accomplishments:

- None

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
None		

Before The Next Meeting

Plans:
- Get courseworks done for other classes
- Add a cart display to the left of the customer menu

Task Assignments:

Task Description	Assigned to
None	

Minutes from Previous Meeting

Minute 0:

Alexander: Database is done

Going to work on trends

Minute 2:

Zane: Looking into CSS and OpenWeather

Today: Look into OpenWeather more

Minute 4:

Jonathan:

Working on changing UI layout

Keep doing that today

Minute 5:

Wu: Worked on adding an edit employee pop up

Work on hooking it up to the database