



Sprint 1 Materials

Team 8p



Soham Nagawanshi
Kevin Zhang
Ryan Kha
Shreyan Satheesh
Russell Rivard
Bradley James

Retrospective Summary

After our first sprint, we noticed a number of things, some good, others bad. We did a good job with becoming more independent and taking responsibility. This allowed us to work on many different parts rather than focus all our resources on one or two items, allowing us to be more efficient. There has also been an improvement in our use of GitHub since the last project, with all members understanding how to properly alter different branches without compromising the main branch. Our communication has improved as well, allowing us to understand how much progress has been made and if anyone needs help. Despite this, there are many areas where we can improve going forward. One such area is with how we go about our implementation. Because we each have our own unique conventions for writing code, it tends to become confusing and difficult to understand what other members wrote. We have set some guidelines to try and mitigate this, but it will take some time before our styles become consistent with each other. We also still have a problem of when we ask for help. While there is no set amount of time before seeking guidance, some members immediately



ask for help after 30 minutes of coding, whereas others wait several days without letting others know they are struggling. Our rule of thumb is to struggle, but not struggle too much to encourage members to try and troubleshoot the errors themselves. Then if it proves to be too difficult even after dedicating a good portion of time, then it would be appropriate to seek help from others. Going forward, we agreed that we should be able to spend some time each day implementing something for the project, even if it is a small feature. This way, we can constantly add to our project instead of waiting until the last minute. We will also try to make the story points more indicative of how much time each story will take, since there were some discrepancies with the story points we assigned and how long it really took. Regarding the product backlog, it seems to be an accurate reflection of the amount of work we need to do to make the project up to our standards. With the backlog goals, we met most of them. The reason we did not meet all of them was because some were added later during the sprint and required much more time than was left to complete the sprint.

GitHub Release Link

<https://github.com/CSCE331-Fall2024/project-3-team-8p/tree/v1.0>



Product Backlog



Team BP Project 3 - Backlog - X +

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Backlog

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SCRUM Sprint 1 26 Oct - 28 Oct (18 issues)

35 52 2 Complete sprint

SCRUM-55	Implement Get Requests	REST API & BACKEND ...	IN REVIEW	7	N
SCRUM-62	Build View for Inventory Management	MANAGER PAGE FUNC...	IN REVIEW	17	N
SCRUM-210	Build Checkout Page	CUSTOMER KIOSK FUN...	TO DO	3	S
SCRUM-123	Build Kiosk View	CUSTOMER KIOSK FUN...	IN REVIEW	12	S
SCRUM-14	Finish Sprint 1 GitHub Release	RELEASE MANAGEMENT	DONE	1	N
SCRUM-24	Conduct User Study	REPORTS	DONE	1	B
SCRUM-17	Write Sprint 1 Written Materials	REPORTS	IN PROGRESS	9	B
SCRUM-22	Create Team Meeting Presentation	REPORTS	IN PROGRESS	7	B
SCRUM-28	Write Project 3 Peer Evaluation 1	REPORTS	TO DO	0	B
SCRUM-31	Write Project 3 Peer Evaluation 1 Reflection	REPORTS	TO DO	0	B
SCRUM-51	Implement User Authentication	REST API & BACKEND ...	TO DO	4	N
SCRUM-135	Build View for Menu Item Management	MANAGER PAGE FUNC...	TO DO	5	N
SCRUM-139	Build View for Employee Management	MANAGER PAGE FUNC...	TO DO	5	N
SCRUM-224	Build View to Show Current Orders	KITCHEN PAGE FUNCTI...	TO DO	3	R

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SCRUM Sprint 1 26 Oct - 28 Oct (18 issues)

35 52 2 Complete sprint

SCRUM-14	Finish Sprint 1 GitHub Release	RELEASE MANAGEMENT	DONE	1	N
SCRUM-24	Conduct User Study	REPORTS	DONE	1	B
SCRUM-17	Write Sprint 1 Written Materials	REPORTS	IN PROGRESS	9	B
SCRUM-22	Create Team Meeting Presentation	REPORTS	IN PROGRESS	7	B
SCRUM-28	Write Project 3 Peer Evaluation 1	REPORTS	TO DO	0	B
SCRUM-31	Write Project 3 Peer Evaluation 1 Reflection	REPORTS	TO DO	0	B
SCRUM-51	Implement User Authentication	REST API & BACKEND ...	TO DO	4	N
SCRUM-135	Build View for Menu Item Management	MANAGER PAGE FUNC...	TO DO	5	N
SCRUM-139	Build View for Employee Management	MANAGER PAGE FUNC...	TO DO	5	N
SCRUM-224	Build View to Show Current Orders	KITCHEN PAGE FUNCTI...	TO DO	3	R
SCRUM-234	Create Menu Board View	MENU BOARD FUNCTI...	TO DO	3	B
SCRUM-245	Write User Study Report	REPORTS	TO DO	4	B
SCRUM-57	Implement Post Requests	REST API & BACKEND ...	TO DO	4	N
SCRUM-56	Implement Put Requests	REST API & BACKEND ...	TO DO	4	N

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SCRUM Sprint 2 29 Oct - 11 Nov (15 issues) 38 0 0 Start sprint

SCRUM-58	Implement Delete Request	REST API & BACKEND ...	TO DO	3	N
SCRUM-49	Support Dynamic Menu Item Pricing	MANAGER PAGE FUNC...	TO DO	3	N
SCRUM-15	Finish Sprint 2 GitHub Release	RELEASE MANAGEMENT	TO DO	0	
SCRUM-18	Write Sprint 2 Written Materials	REPORTS	TO DO	0	
SCRUM-26	Write Mid-project Individual Status Report	REPORTS	TO DO	0	
SCRUM-66	Build View to Display Menu Items	CASHIER PAGE FUNCTI...	TO DO	3	N
SCRUM-59	Implement API Service	REST API & BACKEND ...	TO DO	5	N
SCRUM-73	Integrate Translation API	REST API & BACKEND ...	TO DO	3	
SCRUM-74	Integrate weather API	REST API & BACKEND ...	TO DO	3	
SCRUM-143	Build View for X and Z Reports	MANAGER PAGE FUNC...	TO DO	3	N
SCRUM-147	Build View for Sales Report Chart	MANAGER PAGE FUNC...	TO DO	3	N
SCRUM-151	Build View for Product Usage Chart	MANAGER PAGE FUNC...	TO DO	3	N
SCRUM-155	Create Manager Authentication Flow	MANAGER PAGE FUNC...	TO DO	3	N
SCRUM-194	Support Dynamic Menu Item Pricing	REST API & BACKEND ...	TO DO	3	N
SCRUM-229	Create Kitchen Authentication Flow	KITCHEN PAGE FUNCTI...	TO DO	3	N

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SCRUM Sprint 3 12 Nov - 25 Nov (24 issues) 41 0 0 Start sprint

SCRUM-16	Release Sprint 3 GitHub Release	RELEASE MANAGEMENT	TO DO	0	
SCRUM-19	Write Sprint 3 Written Materials	REPORTS	TO DO	0	
SCRUM-25	Write Expert Panel Report	REPORTS	TO DO	0	
SCRUM-48	Enable Multi-language Support	CUSTOMER KIOSK FUN...	TO DO	2	N
SCRUM-50	Provide Nutritional and Allergen Alerts	MENU BOARD FUNCTI...	TO DO	2	N
SCRUM-53	Support Vishnu's Accessibility Requirements	MANAGER PAGE FUNC...	TO DO	2	S
SCRUM-54	Support Carol's Accessibility Requirements	MANAGER PAGE FUNC...	TO DO	2	N
SCRUM-33	Write Code Documentation	RELEASE MANAGEMENT	TO DO	0	
SCRUM-35	Record Final Presentation Video	REPORTS	TO DO	0	
SCRUM-29	Write Project 3 Peer Evaluation 2	REPORTS	TO DO	0	
SCRUM-32	Write Project 3 Peer Evaluation 2 Reflection	REPORTS	TO DO	0	
SCRUM-131	Support Mobile-friendliness in Customer Kiosk View	CUSTOMER KIOSK FUN...	TO DO	5	N
SCRUM-163	Build View to Place Orders	CASHIER PAGE FUNCTI...	TO DO	3	
SCRUM-177	Create Cashier Authentication Flow	CASHIER PAGE FUNCTI...	TO DO	3	
SCRUM-186	Support Mobile-friendliness in Kitchen UI	KITCHEN PAGE FUNCTI...	TO DO	2	

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Team BP Project 3 - Backlog

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SCRUM-32	Write Project 3 Peer Evaluation 2 Reflection	REPORTS	TO DO	0	
SCRUM-131	Support Mobile-friendliness in Customer Kiosk View	CUSTOMER KIOSK FUN...	TO DO	5	
SCRUM-163	Build View to Place Orders	CASHIER PAGE FUNCT...	TO DO	3	
SCRUM-177	Create Cashier Authentication Flow	CASHIER PAGE FUNCT...	TO DO	3	
SCRUM-186	Support Mobile-friendliness in Kitchen UI	KITCHEN PAGE FUNCT...	TO DO	2	
SCRUM-187	Support Color Contrast Change in Customer UI	CUSTOMER KIOSK FUN...	TO DO	2	
SCRUM-188	Support Vishnu's Accessibility Requirements	MENU BOARD FUNCT...	TO DO	2	
SCRUM-189	Support Color Contrast Change in Cashier UI	CASHIER PAGE FUNCT...	TO DO	2	
SCRUM-190	Add UI Enlarging Functionality to Customer UI	CUSTOMER KIOSK FUN...	TO DO	2	
SCRUM-191	Add UI Enlarging Functionality to Cashier UI	CASHIER PAGE FUNCT...	TO DO	2	
SCRUM-192	Add UI Enlarging Functionality to Kitchen UI	KITCHEN PAGE FUNCT...	TO DO	2	
SCRUM-193	Support Carol's Accessibility Requirements	MENU BOARD FUNCT...	TO DO	2	
SCRUM-204	Support Color Contrast Change in Manager UI	MANAGER PAGE FUNC...	TO DO	3	
SCRUM-205	Add UI Enlarging Functionality to Manager UI	MANAGER PAGE FUNC...	TO DO	3	

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SCRUM-204	Support Color Contrast Change in Manager UI	MANAGER PAGE FUNC...	TO DO	3	
SCRUM-205	Add UI Enlarging Functionality to Manager UI	MANAGER PAGE FUNC...	TO DO	3	

+ Create issue

24 issues | Estimate: 41

Post-Sprint 25 Nov - 3 Dec (5 issues)

0 0 0 Start sprint

SCRUM-20	Write Group Retrospective	REPORTS	TO DO	0	
SCRUM-21	Write End Course Retrospective	REPORTS	TO DO	0	
SCRUM-27	Write End-project Individual Status Report	REPORTS	TO DO	0	
SCRUM-34	Ensure Final Project Completeness	REPORTS	TO DO	0	
SCRUM-30	Write Project 3 Peer Evaluation 3	REPORTS	TO DO	0	

+ Create issue

5 issues | Estimate: 0

Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

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Sprint Backlog

Team BP Project 3 - Backlog - Jira

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35 Complete sprint

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SCRUM-224	Build View to Show Current Orders	KITCHEN PAGE FUNCTI...	TO DO	3	R

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SCRUM-57	Implement Post Requests	REST API & BACKEND ...	TO DO	4	R
SCRUM-56	Implement Put Requests	REST API & BACKEND ...	TO DO	4	N

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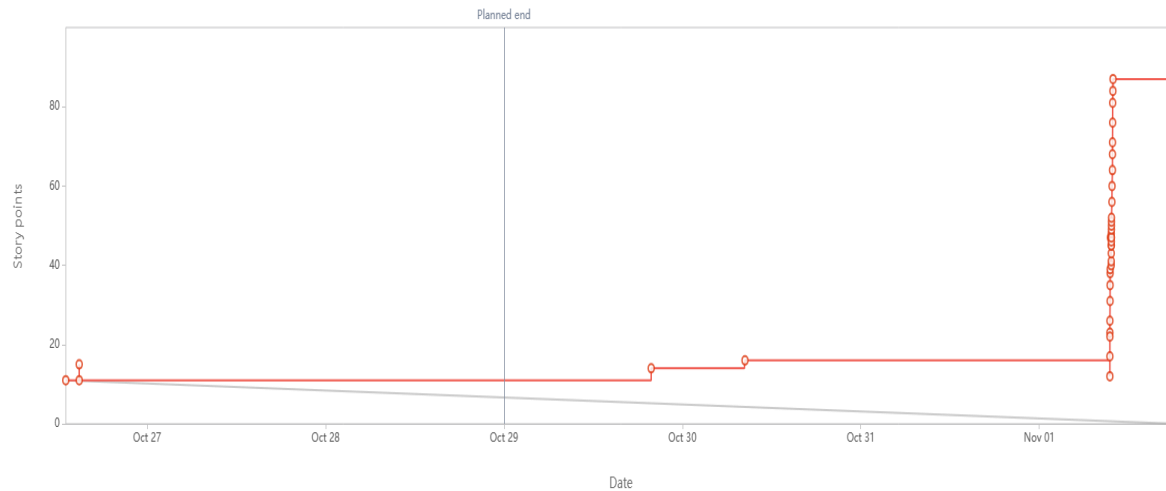
Summary Chart with Story Points Completed by Team Member

	Sprint 1
Soham Nagawanshi	2
Kevin Zhang	1
Ryan Kha	1
Russell Rivard	1
Shreyan Satheesh	1
Bradley James	1



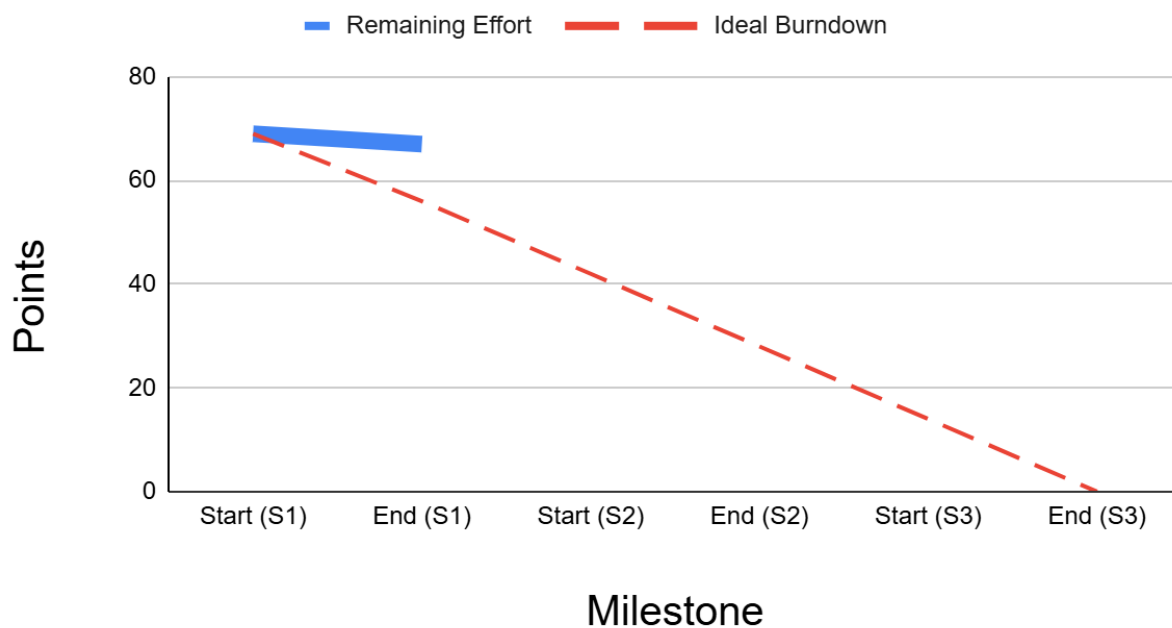
Burn-down Charts

Sprint burn-down chart



Product burn-down chart

Product Burndown Chart





Next Sprint's SCRUM Meeting Schedule

Meeting 1: 11/6/2024

Meeting 2: 11/8/2024

Meeting 3: 11/11/2024

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for 8p

Prepared by: Soham Nagawanshi

Meeting Date: 10/24/2024

Meeting Attendees

1. Soham Nagawanshi
2. Ryan Kha
3. Shreyan Satheesh
4. Kevin Zhang
5. Russell Rivard
6. Bradley James

Meeting Agenda Items

- Progress Report (Scrum)
- Assign Tasks

Status Update Since Last Meeting

Accomplishments:

- LoFi Prototypes for Manager, Cashier UI, and Customer UI are complete

Tasks Completed:



Task Description	Assigned to	Completed? (yes/no)
Implement Get Requests	Soham	No
Administrative Items	Kevin	No
Translate items from previous project to this project	Kevin	No
Implement user stories unanticipated with backlog, along with scheduling and planning section of design and managing template	Ryan	No
Create Kitchen Display interface	Russell	No
Create Menu Boards interface	Bradley	No
Create LoFi prototypes	Shreyan	Yes

Before The Next Meeting

Plans:

- Create UML Diagram
- Finish LoFi prototypes
- Implement Get Requests

Task Assignments:

Task Description	Assigned to
Create UML Diagram	Kevin
Finish LoFi prototypes	Shreyan, Bradley, Russel
Implement Get Requests	Ryan, Soham
Complete Administrative Items	Kevin
Translate items from previous project to this project	Kevin
Implement user stories unanticipated with backlog, along with scheduling and planning section of design and managing template	Ryan
Create Kitchen Display interface	Russell



Create Menu Boards interface	Bradley
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Minutes from Previous Meeting

N/A (1st meeting)

SCRUM Meeting 2 for 8p

Prepared by: Soham Nagawanshi

Meeting Date: 10/26/2024

Meeting Attendees

7. Soham Nagawanshi
8. Ryan Kha
9. Shreyan Satheesh
10. Kevin Zhang
11. Russell Rivard
12. Bradley James

Meeting Agenda Items

- Status Update
- Discuss the timeline before next meeting

Status Update Since Last Meeting

Accomplishments:

- Russell finished LoFi prototype for Kitchen display
- ✎ Shreyan has finished creating LoFi prototypes
- ✎ Kevin has finished administrative items
- ✎ Bradley finished LoFi prototype for Menu Boards display, currently revising



Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
LoFi Prototype (Kitchen display)	Russell	Yes
LoFi Prototypes (Cashier, Customer, Manager)	Shreyan	Yes
Administrative Items	Kevin	Yes

Before The Next Meeting

Plans:

- Implement Get requests
- Finish Management and Design template
- Become familiar with React (for frontend developers)
- Finish remaining LoFi prototypes

Task Assignments:

Task Description	Assigned to
Complete Management and Design Template	All
Implement Get Requests	Soham, Ryan
Become familiar with React	Kevin, Shreyan, Bradley, Russell
Finish revising LoFi prototype for Menu Boards	Bradley

Minutes from Previous Meeting

We went around discussing our progress since our initial meeting where we assigned specific roles. Shreyan finished his implementation with the UIs for the manager, cashier, and customer. Ryan was working on the user stories to ensure that we met all the requirements. Bradley made an initial design for the menu display, but after insightful feedback, he decided to revise it to better fit the theme across all frontend designs. Although Russell has been busy, he ensured that he would be able to finish the design for the kitchen display interface. Soham said he is still working on the Rest API, but will most likely get it working by tonight. He is also working on the Executive Summary and Appendices, as well as creating the Burndown chart. Ryan is learning more about Spring Boot and plans to work on the Manager Report and becoming more familiar with Spring Boot, and will split



the appendices with Soham. Kevin has finished the administrative items to ensure we all use the same version of npm and WebStorm. He has also completed the stories on Jira, but will be restructuring them, and will work on finishing the React tutorial along with the UML diagram. We then discussed what was our highest priority and what needed to be completed by our next meeting. Russell and Bradley were going to finish the design for the kitchen and menu displays. After they complete their tasks, they will join Shreyan and Kevin in learning more about React.

SCRUM Meeting 3 for 8p

Prepared by: Soham Nagawanshi

Meeting Date: 10/29/2024

Meeting Attendees

13. Soham Nagawanshi
14. Ryan Kha
15. Shreyan Satheesh
16. Kevin Zhang
17. Russell Rivard
18. Bradley James

Meeting Agenda Items

- Status update
- Items to complete by next meeting

Status Update Since Last Meeting

Accomplishments:

- Russell finished kitchen display LoFi prototype
- Kevin and Shreyan have created our Initial MVP
- Ryan has finished implementing the rest of the Get requests
- Kevin has reviewed React, and has finished preliminary MVP for manager UI



- Soham has submitted the Get pull and Get requests and got approval
- Bradley has finished LoFi prototype for Menu Boards

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
LoFi Prototype (Menu Boards display)	Bradley	Yes
LoFi Prototype (Kitchen display)	Russell	Yes
Get Requests	Ryan and Soham	Yes
Initial MVP	Kevin and Shreyan	Yes

Before The Next Meeting

Plans:

- Finish implementing Customer and Manager interfaces
- Create and finish Menu Boards and Kitchen Display interfaces
- Create items on backend to support functions and requests
- Learn React

Task Assignments:

Task Description	Assigned to
Finish requests	Ryan and Soham
Create Menu Boards interface	Bradley
Crete Kitchen Display interface	Russell
Write unit tests	Soham
Finish components for Manager UI	Kevin
Finish components for Cashier UI	Shreyan
Learn React	All

Minutes from Previous Meeting

We began by discussing our progress since our previous meeting. As Russell finished working on the kitchen GUI, he will begin his work on the frontend with his newfound knowledge with React. His



only roadblock is concerning the connection with the backend and communication with the database. Shreyan has been working on the customer UI and created the landing page for it, and will work to complete it by tonight. His roadblocks include consistent formatting and organization with the rest of the team. Ryan has finished implementing the rest of the Get requests. He will be getting ahead by working on items for Sprint 2. His main roadblock is learning everything needed for the upcoming sprint. Kevin has reviewed React, and has finished the preliminary MVP for manager UI. He plans on finishing the rest of the components for the manager UI, as well as setting up the basic scaffolding with how to connect the manager UI with the backend. His main roadblock is syncing with Shreyan and having a consistent style and format. Soham has submitted the Get pull and get requests and got approval. He is writing tests for these items, as well as implementing put, update, and delete for Ryan to continue his work. His primary focus is setting up an HTTP client in React to allow the frontend developers to call a function to perform tasks on the backend. His main roadblock is he will not be able to learn React until later next week due to a busy schedule, as well as becoming acquainted with Spring Boot. Bradley has finished the initial lessons on the React tutorial, and began his implementation of the menu boards using React. He hopes to get it done by the end of the sprint, but has a very busy week ahead of him. The primary focus for the group is to implement the manager and customer interfaces as much as possible, with the backend developers to create items to support functions and requests from the frontend.