



Sprint 1 Materials

ZH



Abhinav Devireddy

Zach Huang

Ryan Kabir

Ryan Wu

Justin Raymond Yap



Retrospective Summary

Our team all agreed this sprint was a hard one. One of the main reasons was the start of the project. This consisted of understanding the assignment, setting up software, and breaking down how we wanted to accomplish our goal. Organizing tasks took more time than expected, as well as selecting the right Tech Stack. It was one of our bigger roadblocks at the start of the sprint. As we got our framework going it was assumed that the rest of the sprint would be a lot easier. However, we did not count on research time when it came to the tasks and that impacted us in many ways. It prevented many of the originally planned tasks from being finished, resulting in an incomplete MVP. Our big accomplishment was getting the manager's front end running, as well as having it deployed on Vercel. Connecting to the database was also a success, the biggest issue came with getting the API to display this information on React properly. Another issue was one of our team members had a personal issue and had to stop working for a few days. This normally would not stop workflow, however, this member had some important tasks that other members could not start on until they were complete. Regardless, our team had great communication throughout the sprint and were able to do spontaneous meetings to help one another in the sprint. We discussed that next time we should properly evaluate our tasks and time within the given time frame. We believed that these tasks were manageable, but other roadblocks made it hard to finish by the end of the sprint.

GitHub Release Link

[Sprint 1 Release](#)



Product Backlog

1	Task	Priority	Dependency	Time Estimate	Status
2	I am a manager and I want to see a GUI that shows all the buttons I need to complete my tasks for reports and inventory	1	None	3	Completed
3	I am a cashier and I want to see the screen with all my buttons so I can make efficient orders	1	Dependent on Cashier basic GUI implemented Dependent on Database Setup	3	Started
4	I am a manager and I want to view inventory so I can see what is our current stock	1	Needs Manager GUI setup Needs Database Setup Needs Query Setup Needs API setup	1	Started
5	I am a manager and I want to add inventory items so I can add a new inventory to the whole resource	2	Needs Manager GUI Needs Inventory Query Setup Needs Inventory implemented in database	3	Started
6	I am a manager and I want to remove inventory items because I do not need them anymore	2	Needs Manager GUI Needs Inventory Query Setup Needs Inventory implemented in database	2	Started
7	I am a manager and I want to update inventory to make a change to a mistake I made	2	Needs Manager GUI Needs Inventory Query Setup Needs Inventory implemented in database	1	Started
8	I am a manager and I want to see a report with graphs of the current day	2	Needs Manager GUI Needs Queries for Database Needs API for Queries	2	Started
9	I am a manager and I want to see my current workers so I can manage them	2	Dependent on Manager basic GUI implemented Dependent on Database Setup	1	Started
10	I am a manager and I want to generate a product usage chart to		Needs Manager GUI Needs Queries for database Needs custom management		

There are more, but this is a basic snippet of what we have started, and the overview for the backlog.



Sprint Backlog

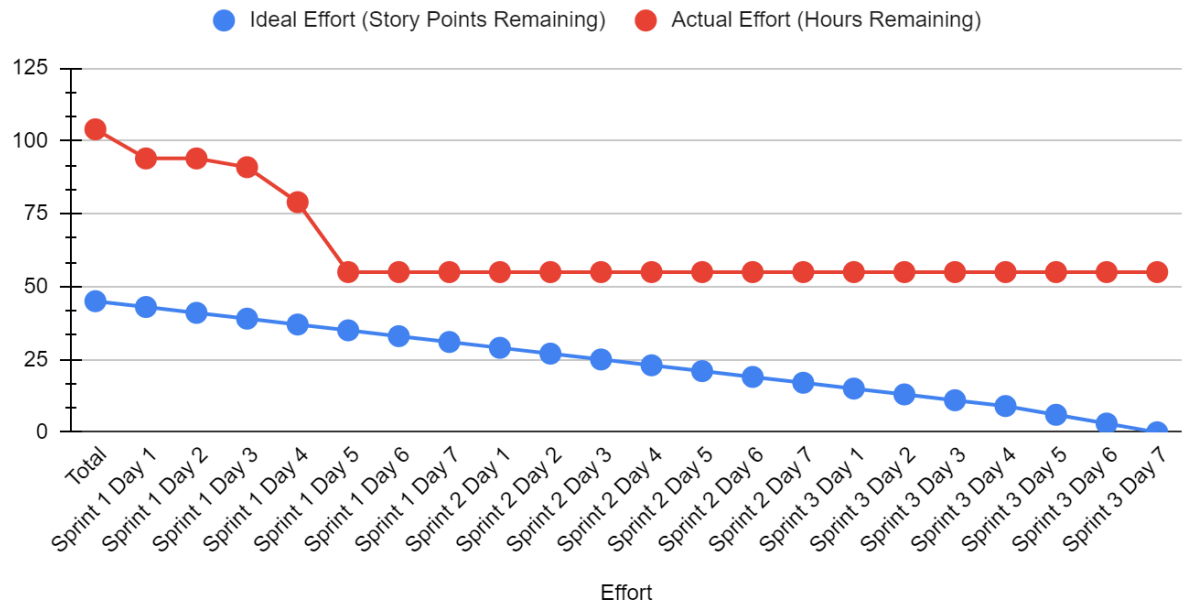
Tasks	Assignment	Initial Time	Actual Time	Status
Manager/Cashier Basic GUI Look(Color, basic Screen)	Ryan Kabir	4	0	Completed
Node.js login to database and interaction	Abhi/Zach	2	0	Completed
Manager Inventory Buttons(Add, Remove, Update)	Ryan Kabir	1	0	Completed
Manager Item Buttons(Add, Update, Remove)	Ryan Kabir	1	0	Completed
Employee Button	Ryan Kabir	1	0	Completed
Report Button	Ryan Kabir	1	0	Completed
Product Usage Button	Ryan Kabir	1	0	Completed
Pairing Generation Button	Ryan Kabir	1	0	Completed
Cashier Menu Item Buttons	Ryan Kabir	1	0	Completed
Cashier Add, Remove, Cancel Order Buttons	Ryan Kabir	1	0	Completed
Submit Order Button	Ryan Kabir	1	0	Completed
Filter Buttons(entrees,sides, drinks)	Ryan Kabir	1	0	Started
Add query for filter buttons	Abhi	1	0	Started
Add entity for employee	Abhi	1	0	Started
Manager Inventory button interaction with database	Justin	3	0	Started
Manager Item button interaction w/ database	Ryan Wu	3	0	Started
Report Button interaction with database	Abhi	3	0	Started
Product Usage Button interaction with database	Ryan Wu	3	0	Started
Pairing Interaction with the database when clicked	Justin	3	0	Started

Burn-down Charts

Product Burn-Down Chart:

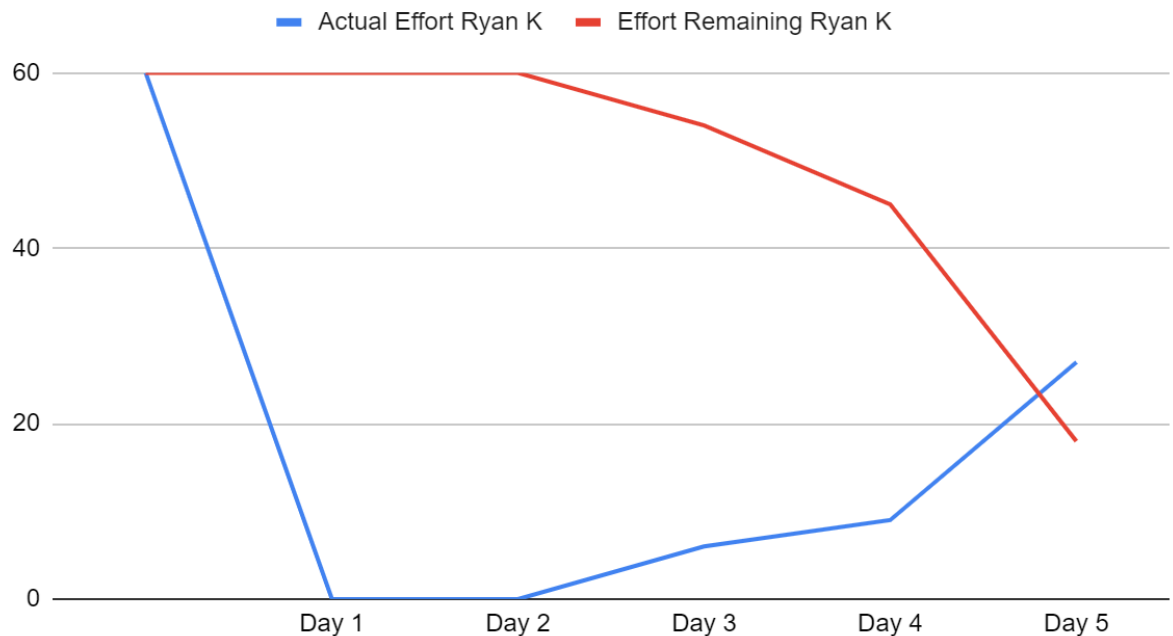


Ideal Effort (Story Points Remaining) and Actual Effort (Hours Remaining)



Sprint BurnDown:

Sprint Burn Down





Next Sprint's SCRUM Meeting Schedule

1. Sprint Retrospective Meeting(3/31)
2. Sprint Planning Meeting(4/2)
3. Daily Scrum Meeting(4/4)
4. Daily Scrum Meeting(4/9)
5. Daily Scrum Meeting(4/11)

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Sprint 1

Prepared by: Zachary Huang

Meeting Date: 3/25

Meeting Attendees

1. Abhinav Devireddy
2. Justin Raymond Yap
3. Ryan Kabir
4. Ryan Wu

Meeting Agenda Items

- Checkup on Sprint Tasks
- Discuss Problems currently facing

Status Update Since Last Meeting

Accomplishments:

- Able to get full stack set up to start a project

Tasks Completed:



Task Description	Assigned to	Completed? (yes/no)
Develop Basic Front End with full-stack features	Ryan Kabir	No
Implement Manager Side Buttons	Justin	No
Implement Cashier Buttons	Ryan Wu	No
Implement Back End and Report Features	Abhi	No

Before The Next Meeting

Plans:

- Get Front End setup and branches on GitHub established
- Get Button Features started

Task Assignments:

Task Description	Assigned to
Finish Front End	Ryan

Minutes from Previous Meeting



Our task at hand was to get the basic front end set up so that the rest of the team could start the project. Right now, Ryan Kabir is going to finish the Front End and have it implemented with our new tech stack. Until this is completed, the rest of the team is unable to start the project

SCRUM Meeting 2 for Sprint 1

Prepared by: Zachary Huang

Meeting Date: 3/26

Meeting Attendees

5. Abhinav Devireddy
6. Justin Raymond Yap
7. Ryan Kabir
8. Ryan Wu

Meeting Agenda Items

- Talk about Scrum Boards and accomplished features
- Talk about tasks and finalize issues/solutions

Status Update Since Last Meeting

Accomplishments:

- Front - End Skeleton completed

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)



Front End framework	Ryan K	yes
Implement Manager Side Buttons	Justin	No
Implement Cashier Buttons	Ryan Wu	No
Implement Back End and Report Feature	Abhi	No

Before The Next Meeting

Plans:

- Start Previous tasks
- Establish Back End connection

Task Assignments:

Task Description	Assigned to
Get Back End connected to PostgreSQL through typescript	Abhi
Implement Manager Side Buttons	Justin
Implement Cashier Buttons	Ryan Wu

Minutes from Previous Meeting



Our team discussed the next step of the sprint now that we have the basic skeleton of a front end from Ryan. We now will have the other developers finish their tasks implementing the buttons from the front end. We have also discussed scrum boards and how we would like to approach organizing our tasks.

SCRUM Meeting 3 for Sprint 1

Prepared by: Zachary Huang

Meeting Date: 3/29

Meeting Attendees

9. Abhinav Devireddy
10. Ryan Wu
11. Justin Raymond Yap
12. Ryan Kabir

Meeting Agenda Items

- Talk about current Sprint
- Issues and plans

Status Update Since Last Meeting

Accomplishments:

- Manager Interface implemented
- Database interaction implemented

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Manager Front End	Ryan Kabir	yes



Database Connection with API	Abhi	yes
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Before The Next Meeting

Plans:

- Talk about what went wrong with the sprint goal
- What tasks need to be completed and how this will be done

Task Assignments:

Task Description	Assigned to
Cashier Front End	Ryan K
Finish button interactions	Justin
Finish manager button interactions	Ryan
Finish Menu ordering interactions	Abhi

Minutes from Previous Meeting

Our team talked about the issues that we had with the overall sprint so far. We also talked about what was completed with our current tasks and things that we are still currently working on. Then we discussed what our goal was by the end of the sprint and what we should expect to have done. One of the main issues was researching and understanding the interaction with the database and front end through an API. We now



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are approaching new strategies on how we will try to accomplish these goals and support each other to finish these tasks.