



Sprint 1 Materials

BOGO SORT CONNOISSEURS



Sua Bae
Andrew Beketov
Surya Jasper
Shweta Kumaran
Warren Wu

Retrospective Summary

Our retrospective meeting on Monday April 1, 2024 was a productive and reflective meeting on what happened during sprint 1. As a team, we agreed that we did a lot of things right. The technical set-up which is notoriously a very annoying task was relatively simple for us and the deployment infrastructure for the frontend was also a simple link to GitHub. The time we spent setting up the project and creating the project structure also led to a more structured and organized codebase overall which greatly improved the quality of code. However, there were also a couple of challenges that we encountered during sprint 1. Namely there were some issues with deploying the backend as it was initially deployed on Google Cloud, but since the SSL certificate wasn't configured the HTTP requests were denied due to security issues. As such, the backend was dockerized and the image was deployed via Render. Since changes needed to be made on the application side of things, the product backlog also changed. For the product backlog changes, we needed to add a couple of features and ideas that we came up with during our SCRUM meetings and standups. These product backlog changes include adding more login features, changing some page and component styling, and adding entirely new standalone features. Most of the non-essential features we came up with are planned for Sprint 3, as we will be focusing on finishing all the functionality of the application for Sprint 2. Sprint 1 served as a good gauge of how long things would take, any possible avenues of



issues we could encounter, and also an introduction of what is expected of us in each deliverable. We worked well together as a team by communicating, getting tasks done on time, and asking for help when needed.

GitHub Release Link

<https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-project-3-901-7/releases/tag/1.0.0>

Product Backlog

Task	Priority	Dependencies	Time Estimate(min)	Status	User Story Point
Set up the project with a new tech stack	high	1	20	complete	2
Repopulate the database	high	1	20	complete	1
Set up the objects backend for the menu items	high	1	10	complete	2
Set up the objects backend for the inventory items	high	1	10	complete	2
Set up the objects backend for the orders	high	1	10	complete	2
Create the UI design for the login page	high	1	15	complete	1
Create the UI design for the menu board	high	1	15	complete	1
Create the UI design for the website landing page	high	1	15	complete	1
Create the UI design for the manager overview page	high	1	15	complete	1
Create the UI design for the manager sales trends page	high	1	15	complete	1
Create the UI design for the cashier ordering page	high	1	15	complete	1
Create the UI design for the cashier information page	high	1	15	complete	1
Create the UI design for the customer ordering page	high	1	15	complete	1
Create the UI design for the customer menu overview	high	1	15	complete	1
Implement a login button	low	2	15	complete	2
Implement a login page	low	2	20	complete	2
Implement Google OAuth	low	2	15	complete	3
Deploy backend	high	1	10	complete	4
Deploy frontend	high	1	10	complete	4



Implement the website nav bar	high	2	15	complete	2
Implement the website landing page	high	2	15	complete	3
Implement clock	low		15	incomplete	3
Set up categories for easier navigation	low	3	20	complete	2
Set up the menu board in an organized manner	low	2	20	complete	2
Populate the menu	medium	3	20	complete	1
Implement dynamic menu board updates	medium	3	20	complete	3
Implement the frontend	low	2	20	complete	4
Search bar to search for items while taking order...	low	3	20	incomplete	5
Order button to submit order	low	3	20	incomplete	4
Order confirmation page	low	3	20	incomplete	5
Set up the cashier display front end	medium	2	20	incomplete	5
Cashier landing page	medium	2	20	incomplete	3
Implement the customer ordering page	medium	2	20	complete	3
Populate the menu items into the ordering page	medium	2	20	complete	1
Connect to backend	medium	2	20	complete	1
Make the items dynamically update on menu orderin...	medium	2	20	incomplete	1
Translate function	low	3	20	incomplete	5
Display weather	low	3	20	incomplete	5
Can view suggested items based on the weather	low	4	20	incomplete	5
Order button to submit order	low	3	20	incomplete	3
Tip buttons	low	3	20	incomplete	3
Implement the ordering confirmation page	medium	2	20	incomplete	3
Include pictures of each item	low	2	20	incomplete	3
A table with a list of ingredients with its attributes	medium	2	20	incomplete	4
Restock low-stock items	low	3	20	incomplete	5
View low-stock items	low	3	20	incomplete	5
Add a new ingredient	medium	3	20	incomplete	4



Update ingredient	medium	3	20	incomplete	3
Delete ingredient	medium	3	20	incomplete	3
Implement update image	medium	3	20	incomplete	2
A table with a list of orders with its attributes	medium	2	20	incomplete	4
Update order	medium	3	20	incomplete	3
Delete order	medium	3	20	incomplete	3
Implement date filter	medium	3	20	incomplete	4
A table with a list of orders with its attributes	medium	2	20	incomplete	4
Add a new menu item	medium	3	20	incomplete	3
Update menu item	medium	3	20	incomplete	3
Delete menu item	medium	3	20	incomplete	3
Product usage chart	low	2	20	incomplete	5
Sales report	low	2	20	incomplete	5
Excess report	low	2	20	incomplete	5
What sells together - ordering trend report	low	2	20	incomplete	4
Implement manager home page	low	2	20	incomplete	3
Add an image attribute to item in database	high	2	20	incomplete	3
Add a description attribute to item in database	high	2	20	incomplete	2
Set up categories for easier navigation	medium	2	20	incomplete	3
Redesign the home landing page	low	1	20	incomplete	5
Redesign the login page	low	1	20	incomplete	4
Redesign the menu board as separate screens	medium	1	20	incomplete	2
Reimplement the menu board	medium	1	20	incomplete	5
Finish adding order functionality	high	3	20	incomplete	4
Add security to the page (cannot access manager without login)	medium	3	20	incomplete	4
Add cashier login functionality	medium	3	20	incomplete	4
Add non google oauth login functionality	low	2	20	incomplete	4
Connect to cashier home or manager home depending on login type	medium	3	20	incomplete	3
SSL certificate for backend cloud hosting	high	2	20	incomplete	1



Set up jaccaco	medium	2	20	incomplete	1
Start backend testing	medium	3	20	incomplete	1

Sprint Backlog

Task	Priority	Time Estimate (min)	Status	User Story Point	Assigned To
Set up the project with a new tech stack	high	30	complete	2	Warren
Repopulate the database	high	20	complete	1	Shweta
Set up the objects backend for the menu items	high	30	complete	2	Shweta
Set up the objects backend for the inventory items	high	30	complete	2	Shweta
Set up the objects backend for the orders	high	30	complete	2	Shweta
Create the UI design for the login page	high	15	complete	1	Surya
Create the UI design for the menu board	high	15	complete	1	Sua
Create the UI design for the website landing page	high	15	complete	1	Andrew
Create the UI design for the manager overview page	high	15	complete	1	Andrew
Create the UI design for the manager sales trends page	high	15	complete	1	Sua
Create the UI design for the cashier ordering page	high	15	complete	1	Warren
Create the UI design for the cashier information page	high	15	complete	1	Warren
Create the UI design for the customer ordering page	high	15	complete	1	Warren
Create the UI design for the customer menu overview	high	20	complete	1	Sua
Implement a login button	low	15	complete	2	Surya
Implement a login page	low	20	complete	2	Surya
Implement Google OAuth	low	40	complete	3	Surya
Deploy backend	high	60	complete	4	Surya
Deploy frontend	high	30	complete	4	Warren
Implement the website nav bar	high	20	complete	2	Shweta
Implement the website landing page	high	15	complete	3	Andrew
Set up categories for easier navigation	low	40	complete	2	Sua
Set up the menu board in an organized manner	low	20	complete	2	Andrew
Populate the menu	medium	30	complete	1	Sua



Implement dynamic menu board updates	medium	20	complete	3	Shweta
Implement the frontend	low	60	complete	4	Sua
Implement the customer ordering page	medium	60	complete	3	Warren
Populate the menu items into the ordering page	medium	20	complete	1	Shweta
Connect to backend	medium	20	complete	1	Shweta

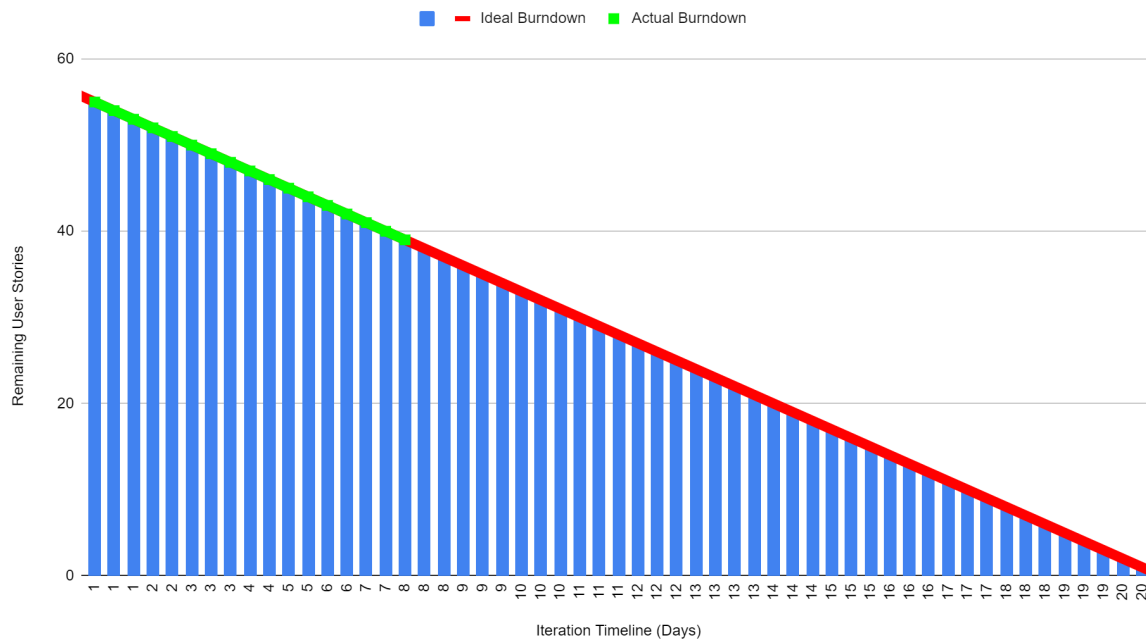
Team Member	Sprint 1 User Story Points
Andrew Bekeov	11
Shweta Kumaran	18
Sua Bae	19
Surya Jasper	18
Warren Wu	19

Burn-down Charts

Product Burn-down

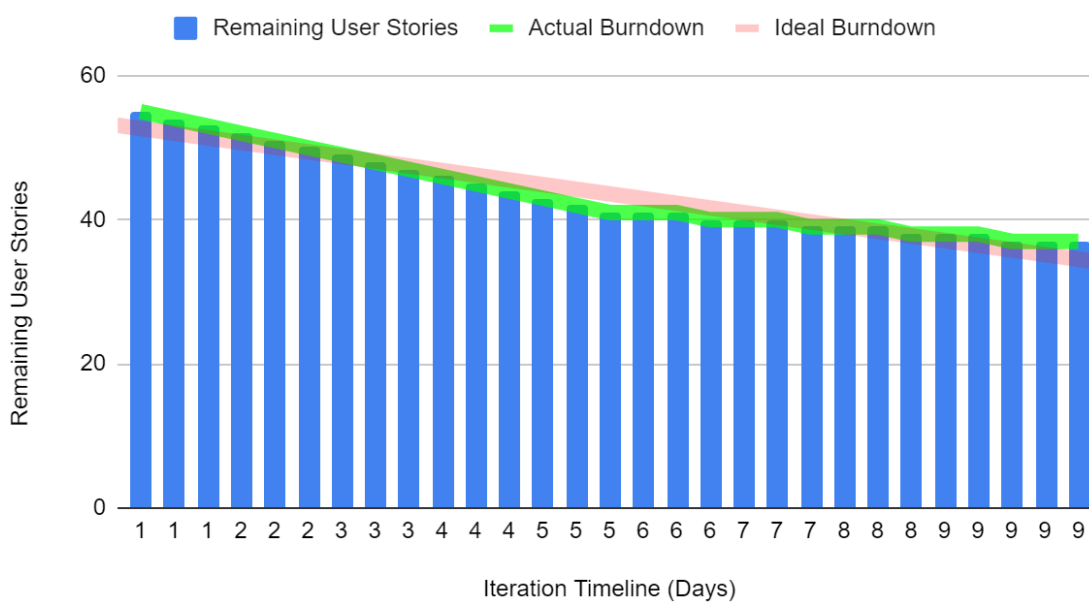


Remaining User Stories vs. Iteration Timeline (Days)



Sprint Burn-down

Remaining User Stories vs. Iteration Timeline (Days)





Next Sprint's SCRUM Meeting Schedule

Sprint 2 Standup #1 : Tuesday April 2, 2024, in class

Sprint 2 Planning: Wednesday April 3, 2024, in lab

Sprint 2 Standup #2: Thursday April 4, 2024, in class

Sprint 2 Standup #3: Tuesday April 9, 2024, in class

Sprint 2 Standup #4: Thursday April 11, 2024, in class

Sprint 2 Standup #5: Saturday April 13, 2024, Discord or in Zachary

Sprint 2 Retrospective: Monday April 15, 2024, in lab

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Standup Meeting 1 for Rev's Grill Website

Prepared by: Surya and Andrew

Meeting Date: 3/26

Meeting Attendees

1. Sua
2. Andrew
3. Surya
4. Shweta
5. Warren

Meeting Agenda Items

- Standup
- Review project requirements and finalize plan
- Discuss plan for setting up project and backend



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- Discuss plan for design and get team's opinion on current design prototype

Task Assignments:

Task Description	Assigned to
Set up the project with a new tech stack	Warren
Repopulate the database	Shweta
Set up the objects backend for the menu items	Shweta
Set up the objects backend for the inventory items	Shweta
Set up the objects backend for the orders	Shweta
Create the UI design for the login page	Surya
Create the UI design for the menu board	Sua
Create the UI design for the website landing page	Andrew
Create the UI design for the manager overview page	Andrew
Create the UI design for the manager sales trends page	Sua
Create the UI design for the cashier ordering page	Warren
Create the UI design for the cashier information page	Warren
Create the UI design for the customer ordering page	Warren
Create the UI design for the customer menu overview	Sua
Implement a basic login button	Surya
Implement a basic login page	Surya
Implement Google OAuth	Surya

Minutes from Previous Meeting

This first meeting was mostly dedicated to determining the starting tasks for the first Sprint based on the project requirements. We all reviewed the project requirements and began to brainstorm what tech stack to use. We decided on using React and Tailwind for the frontend as we all had experience using React for frontend development, and Java Spring Boot for the backend so that we could more



or less reuse our existing Java + Postgresql infrastructure and simply wrap our database queries in Spring Boot requests. We then decided to set up our SCRUM table on GitHub projects with the tasks for our first sprint and begin designing basic UI sketches for the new React frontend platform.



SCRUM Standup Meeting 2 for Rev's Grill Website

Prepared by: Surya and Andrew

Meeting Date: 3/28

Meeting Attendees

1. Sua
2. Andrew
3. Surya
4. Shweta
5. Warren

Meeting Agenda Items

- Standup
- Review progress since last meeting
- Discuss plans for authentication
- Coordinate over UI design and frontend implementation

Status Update Since Last Meeting

Accomplishments:

- Began on initial design
- Set up React frontend
- Successfully populated database
- Began structuring pages and routes

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Set up the project with a new tech stack	Warren	yes
Repopulate the database	Shweta	yes
Set up the objects backend for the menu items	Shweta	yes
Set up the objects backend for the inventory items	Shweta	no
Set up the objects backend for the orders	Shweta	no
Create the UI design for the login page	Surya	yes



Create the UI design for the menu board	Sua	yes
Create the UI design for the website landing page	Andrew	yes
Create the UI design for the manager overview page	Andrew	no
Create the UI design for the manager sales trends page	Sua	no
Create the UI design for the cashier ordering page	Warren	yes
Create the UI design for the cashier information page	Warren	yes
Create the UI design for the customer ordering page	Warren	yes
Create the UI design for the customer menu overview	Sua	yes
Implement a basic login button	Surya	no
Implement a basic login page	Surya	no
Implement Google OAuth	Surya	no

Before The Next Meeting

Plans:

- Finish design and begin on implementing design into frontend
- Finish setting up backend
- Finish implementing frontend for login functionality

Before The Next Meeting

Plans:

- Find ways to release the backend
- Continue working on tasks
- Release frontend and learn how on Vercel

Task Assignments:

Task Description	Assigned to
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Set up the objects backend for the inventory items	Shweta
Set up the objects backend for the orders	Shweta
Create the UI design for the manager overview page	Andrew
Create the UI design for the manager sales trends page	Sua
Implement a basic login button	Surya
Implement a basic login page	Surya
Implement Google OAuth	Surya
Deploy backend	Surya
Deploy frontend	Warren
Implement the website nav bar	Shweta
Implement the website landing page	Andrew
Set up categories for easier navigation	Sua
Set up the menu board in an organized manner	Andrew
Populate the menu	Sua
Implement dynamic menu board updates	Shweta
Implement the frontend	Sua
Implement the customer ordering page	Warren
Populate the menu items into the ordering page	Shweta
Connect to backend	Shweta

Minutes from Previous Meeting

During this meeting, we went over the UI designs that we each sketched out in Canva and discussed plans for implementing them into the React frontend. We also brainstormed solutions for user authentication and decided on using Google OAuth as well as supporting a default email and password login just in case. We then proceeded to focus on the backend, mainly the implementation of Java Spring Boot and how we would go about designing frontend and backend functionality in parallel. We decided to create frontend templates so that once the backend was complete, it would be as simple as fetching the data and updating the existing state. We then discussed plans for



deployment of the frontend and backend. We decided to deploy the backend on Surya's existing cloud server and the frontend on Vercel.

SCRUM Standup Meeting 3 for Rev's Grill Website

Prepared by: Surya and Andrew

Meeting Date: 3/31

Meeting Attendees

1. Sua
2. Warren
3. Andrew
4. Surya
5. Shweta

Meeting Agenda Items

- Discuss backend deployment
- Finish working on tasks
- Set up Vercel deployment for frontend
- Finish frontend implementations based on UI designs

Status Update Since Last Meeting

Accomplishments:

- Frontend has been deployed
- Backend functionalities have been completed
- Frontend work has gained much progress

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Set up the objects backend for the inventory items	Shweta	yes
Set up the objects backend for the orders	Shweta	yes
Create the UI design for the manager overview page	Andrew	yes
Create the UI design for the manager sales trends page	Sua	yes



Implement a basic login button	Surya	yes
Implement a basic login page	Surya	yes
Implement Google OAuth	Surya	yes
Deploy backend	Surya	no
Deploy frontend	Warren	yes
Implement the website nav bar	Shweta	yes
Implement the website landing page	Andrew	yes
Set up categories for easier navigation	Sua	yes
Set up the menu board in an organized manner	Andrew	yes
Populate the menu	Sua	yes
Implement dynamic menu board updates	Shweta	yes
Implement the frontend	Sua	yes
Implement the customer ordering page	Warren	yes
Populate the menu items into the ordering page	Shweta	yes
Connect to backend	Shweta	yes

Before The Next Meeting

Plans:

- Update backend parameterized functions
- Complete all tasks before the sprint ends on Sunday
- Deploy the backend
- Finalize all items/deliverables before Sunday

Task Assignments:

Task Description	Assigned to
Backend deployment	Surya
Finalize menu board for release 1.0 and ensure backend integration works	Sua



Finalize customer order menu page designs for release 1.0 and ensure backend integration works	Warren
Finalize and backend functions and update them per request and ensure release readiness	Shweta

Minutes from Previous Meeting

Since we were pretty much done with all the tasks we needed to do for this sprint, we discussed our frontend progress and frontend and backend integration. This is something that we outlined in our tasks and was a necessity to get done as a deliverable. We wanted everything to run smoothly, so we talked about how to make sure both front and backend could be deployed successfully and brainstormed general ideas.