



Sprint 2 Materials

903-13



Aditya Biradar

Isaac Ambro

Karan Bhalla

Kelvin Su

Kunal Jain

Wyatt Cade

Retrospective Summary

Sprint 2 showed progress, with our team maintaining productivity and meeting deadlines for feature delivery. We ensured a balanced workload distribution and continued to enhance our code quality.

However, we faced challenges during the deployment of our front-end server, leading to rushed last-minute efforts to meet deadlines. Additionally, infrequent merges of feature branches resulted in conflicts, and sporadic communication left us uncertain about task statuses.

To tackle these issues, we've devised practical solutions. Firstly, we plan to hold in-person workdays to strengthen communication and ensure everyone is on the same page regarding task statuses. Secondly, we aim to deploy code multiple times throughout the sprint to catch errors early and streamline the process. Lastly, we'll utilize a rolling to-do list for clearer task tracking and more effective communication.

In terms of our backlog, most tasks were completed, except for two related to responsive UI design. These will be carried over to the next sprint for completion. Additionally, recognizing the importance



of systematic testing, we'll introduce a dedicated user story for testing features, enhancing accountability and ensuring thorough evaluation.

By implementing these improvements, we anticipate smoother operations in future sprints and a more cohesive team effort. With enhanced communication, streamlined deployment processes, and a focus on testing, we're poised to continue our progress and deliver even better results in the upcoming iterations.



GitHub Release Link

Link to Github Release:

<https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-project-3-903-13/releases/tag/V2.0>

Link to deployed MVP (Need to be whitelisted in order to navigate to employee/manager pages):

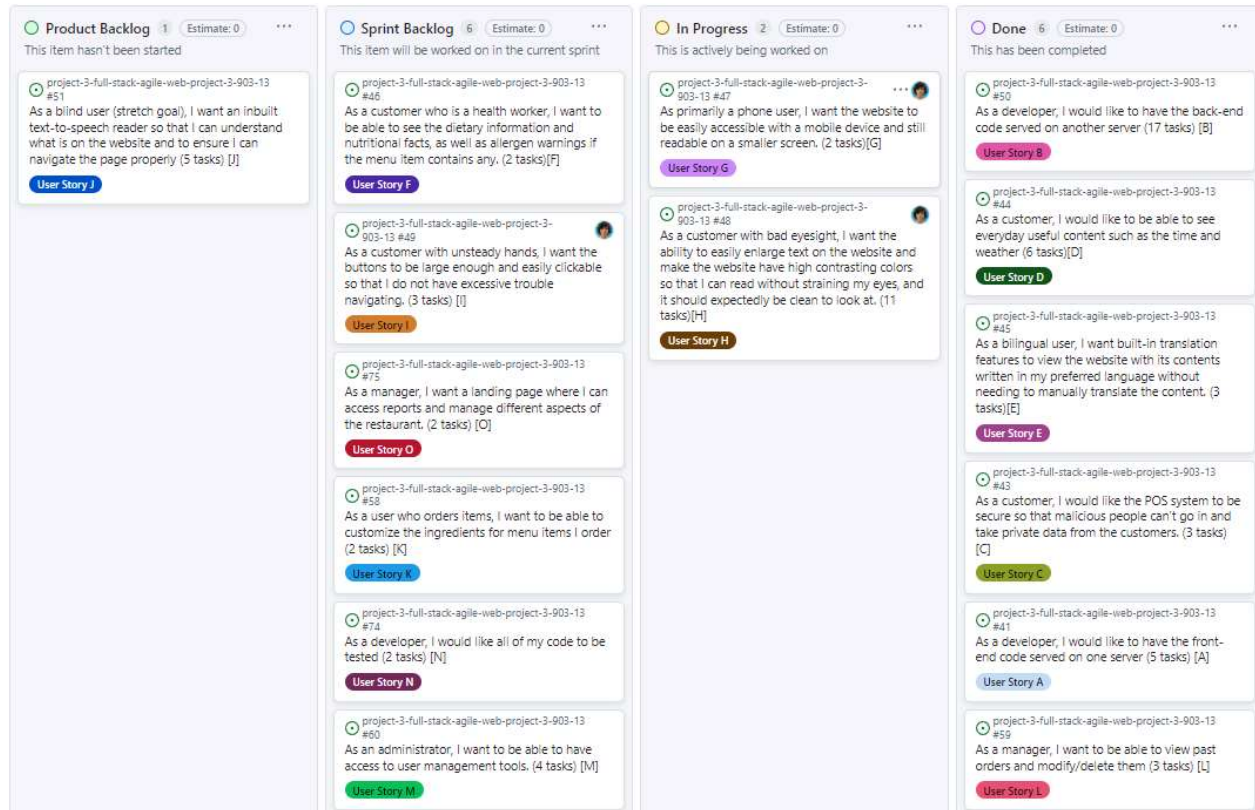
<https://project-3-full-stack-agile-web-project-3-903-13-six.vercel.app/>



Product Backlog

Github link to project board that contains our product backlog:

<https://github.com/orgs/csce-315-331-2024a/projects/26/views/1>



This image is of our current board which contains the items moved for sprint 3.



Sprint Backlog

Pushed over from Sprint 1:

A4: Create a dedicated menu board view to display product offerings, prices, and promotions in a visually appealing and informative manner

- **Assigned to:** Aditya
- **Time Estimate:** 5 HR, 5 pt
- **Time Spent:** 6 HR
- **Status:** Completed

B14: Migrate the logic to choose between three payment options

- **Assigned to:** Kelvin
- **Time Estimate:** 2 hr, 2 pt
- **Time Spent:** 1 hr
- **Status:** Completed

Sprint 2 User Stories:

As a customer, I would like the POS system to be secure so that malicious people can't go in and take private data from the customers. (3 tasks) [C]

C1: Integrate Google Authentication (OAuth2) as a third-party authentication mechanism for user login (cashier and more importantly the manager) and access control

- **Assigned to:** Wyatt
- **Time Estimate:** 4 hr, 4 pt
- **Time Spent:** 7 hr
- **Status:** Completed

C2: Configure authentication settings and permissions to authenticate users securely and authorize access to protected resources

- **Assigned to:** Wyatt
- **Time Estimate:** 3 hr, 3 pt
- **Time Spent:** 1 hr
- **Status:** Completed

C3: Implement user registration, login, and logout functionalities using Google Auth APIs and SDKs.

- **Assigned to:** Wyatt
- **Time Estimate:** 2 hr, 2 pt
- **Time Spent:** 2 hr
- **Status:** Completed



As a customer, I would like to be able to see everyday useful content such as the time and weather (6 tasks)[D]

D1: Create a UI component in the front-end to show the current time

- **Assigned to:** Isaac
- **Time Estimate:** 1 hr, 1 pt
- **Time Spent:** .5 hr
- **Status:** Completed

D2: Use a timer function to update the time display every second

- **Assigned to:** Isaac
- **Time Estimate:** 1 hr, 1 pt
- **Time Spent:** .5 hr
- **Status:** Completed

D3: Ensure the time display is accurate and automatically updates without needing a page refresh

- **Assigned to:** Isaac
- **Time Estimate:** 0.5 hr, 1 pt
- **Time Spent:** .5 hr
- **Status:** Completed

D4: Integrate weather service APIs to provide real-time weather information and forecasts

- **Assigned to:** Isaac
- **Time Estimate:** 3 hr, 3 pt
- **Time Spent:** 1 hr
- **Status:** Completed

D5: Display weather data, including current conditions, temperature, humidity, and forecasts, in relevant user interfaces

- **Assigned to:** Isaac
- **Time Estimate:** 3 hr, 3 pt
- **Time Spent:** 1 hour
- **Status:** Completed

D6: Customize weather display options and configurations based on geographic location

- **Assigned to:** Isaac
- **Time Estimate:** 2 hr, 2 pt
- **Time Spent:** 1 hour
- **Status:** Completed

As a bilingual user, I want built-in translation features to view the website with its contents written in my preferred language without needing to manually translate the content. (3 tasks)[E]

E1: Integrate translation services, such as Google Translate API, to support multilingual localization of the application

- **Assigned to:** Kelvin Su
- **Time Estimate:** 4 hr, 5 pt



- **Time Spent: 1 hr**
- **Status: Completed**

E2: Implement language selection options to allow users to switch between different language preferences

- **Assigned to: Kelvin Su**
- **Time Estimate: 4 hr, 5 pt**
- **Time Spent: 1 hr**
- **Status: Completed**

E3: Translate static text content, labels, and messages dynamically based on the user's language preference

- **Assigned to: Kelvin Su**
- **Time Estimate: 4 hr, 5 pt**
- **Time Spent: 2 hrs**
- **Status: Completed**

As primarily a phone user, I want the website to be easily accessible with a mobile device and still readable on a smaller screen. (2 tasks)[G]

G1: Make the website easy on the eyes and readable on mobile devices

- **Assigned to: Kunal**
- **Time Estimate: 1 hr, 1 pt**
- **Time Spent: 1 hr**
- **Status: To-do**

G2: Maintain ease of navigation on mobile devices

- **Assigned to: Kunal**
- **Time Estimate: 3 hr, 4 pt**
- **Time Spent: 4 hr**
- **Status: Completed**

As a customer with bad eyesight, I want the ability to easily enlarge text on the website and make the website have high contrasting colors so that I can read without straining my eyes, and it should expectedly be clean to look at. (11 tasks)[H]

H1: Identify areas for improvement in the user layout

- **Assigned to: Kunal**
- **Time Estimate: 0.5 hr, 1 pt**
- **Time Spent: 1 hr**
- **Status: Completed**

H2: Identify areas for improvement in the user navigation

- **Assigned to: Kunal**
- **Time Estimate: 0.5 hr, 1 pt**
- **Time Spent: 1 hr**



- **Status: Completed**

H3: Identify areas for improvement in the aesthetics

- **Assigned to: Kunal**
- **Time Estimate: 0.5 hr, 1 pt**
- **Time Spent: 2 hr**
- **Status: Completed**

H4: Identify color scheme(s) that work universally for individuals with varying levels of eyesight and apply these scheme(s) to the webpage

- **Assigned to: Kunal**
- **Time Estimate: 0.5 hr, 1 pt**
- **Time Spent: 0.5 hr**
- **Status: To-do**

H5: Identify areas for improvement in the user experience

- **Assigned to: Kunal**
- **Time Estimate: 0.5 hr, 1 pt**
- **Time Spent: 0.5 hr**
- **Status: Completed**

H6: Incorporate interactive components to enhance user experience

- **Assigned to: Kunal**
- **Time Estimate: 3 hr, 3 pt**
- **Time Spent: 3 hr**
- **Status: Completed**

H7: Incorporate animations to enhance visual appeal

- **Assigned to: Kelvin and Kunal**
- **Time Estimate: 3 hr, 3 pt**
- **Time Spent: 2 hr**
- **Status: In progress**

H8: Add in pictures of the menu items

- **Assigned to: Isaac and Wyatt**
- **Time Estimate: 2 hr, 2 pt**
- **Time Spent: 3 hour**
- **Status: Completed**

H9: Implement responsive design principles to ensure the GUI adapts smoothly to different screen sizes and devices

- **Assigned to: Kunal**
- **Time Estimate: 2 hr, 2 pt**
- **Time Spent: 4 hr**
- **Status: To-do**

H10: Create a toggle that would make everything larger so that it is easier to view

- **Assigned to: Kunal**



- **Time Estimate:** 2 hr, 3 pt
- **Time Spent:** To-do
- **Status:** Completed

H11: Create another toggle button for light and dark mode

- **Assigned to:** Kunal
- **Time Estimate:** 2 hr, 2 pt
- **Time Spent:** To-do
- **Status:** Completed

As a manager, I want to be able to view past orders and modify/delete them (3 tasks) [L]

L1: Create front and back end functionality to view all orders within a given time window.

- **Assigned to:** Karan
- **Time Estimate:** 1 hr, 1 pt
- **Time Spent:** 2 hr
- **Status:** Completed

L2: Create front and back end functionality to update an order.

- **Assigned to:** Karan
- **Time Estimate:** 3 hr, 3 pt
- **Time Spent:** 8 hr
- **Status:** Completed

L3: Create front and back end functionality to remove an order from the order history.

- **Assigned to:** Karan
- **Time Estimate:** 2 hr, 2 pt
- **Time Spent:** 2.5
- **Status:** Completed

Tasks Done not Reflected in the Sprint backlog

Menu Item and Inventory features improved

- Isaac

Revs Logo Added

- Isaac

Item popularity analysis

- Kelvin

Improve the transactions window to allow changing of quantities directly and removing items from the transaction

- Kelvin

An indication that menu items are clicked and have been added to the order

- Kelvin

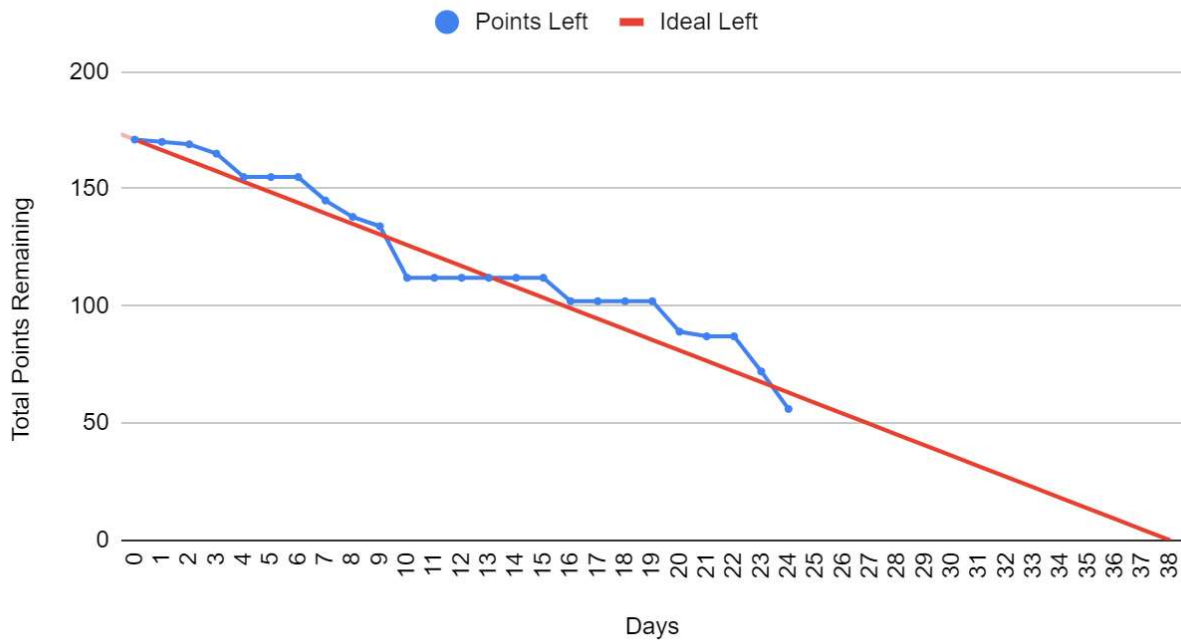


	Sprint 1 (pts)	Sprint 2 (pts)	Sprint 3 (pts)
Isaac Ambro	24	14	
Wyatt Cade	21	11	
Kelvin Su	18	15	
Aditya Biradar	13	5	
Karan Bhalla	20	9	
Kunal Jain	15	13	

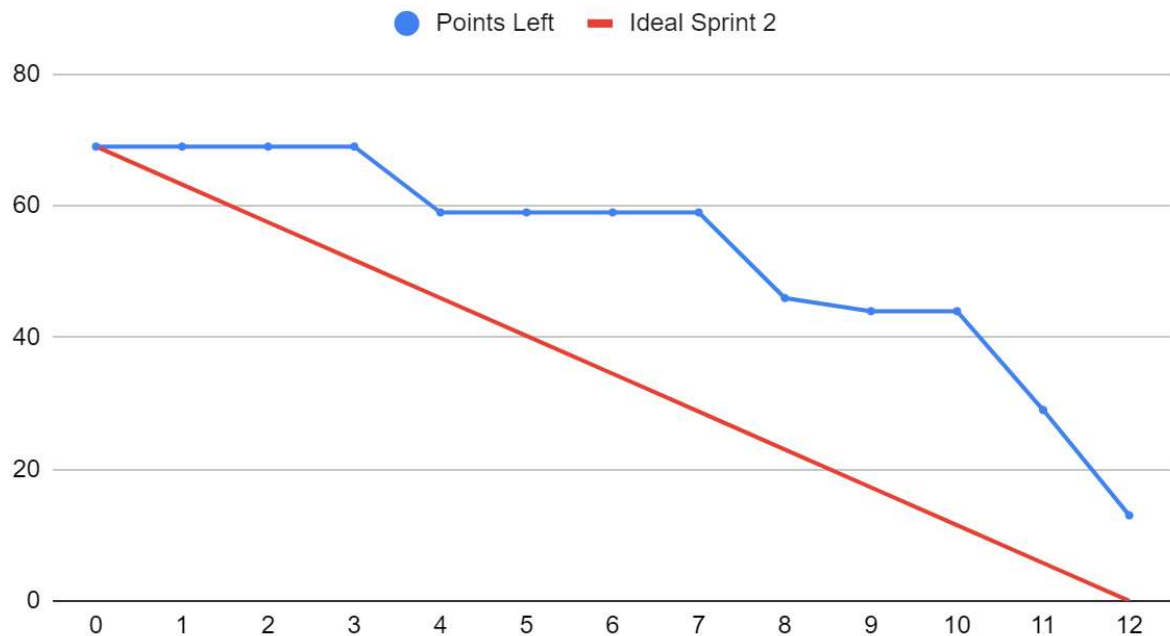


Burn-down Charts

Total Burndown Chart



Sprint 2 Burndown





Next Sprint's SCRUM Meeting Schedule

Our daily stand-up meeting times are planned for Monday, Wednesday, and Friday either in person at ZACH from 3:35 PM to 3:50 PM or on Discord. The times are tentative and are likely to change based on team member's schedules and availability.

Our final retrospective meeting is planned to take place on April 29th (the day after our sprint MVP is due) either in person or at ZACH.

Summary:

Daily Stand-Up Meetings: April 22 (Monday), April 24 (Wednesday), April 26 (Friday) at 3:35 PM - 3:50 PM. Meet on Discord or in ZACH.

Retrospective Meetings: April 29, 2024 (Monday) from 7 PM to 7:45 PM. Will meet either on Discord or in ZACH



Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for [Rev's Grill Website](#)

Prepared by: Aditya Biradar

Meeting Date: Apr 8, 2024

Meeting Attendees

1. Aditya Biradar
2. Isaac Ambro
3. Wyatt Cade
4. Karan Bhalla
5. Kunal Jain
6. Kelvin Su

Meeting Agenda Items

- Conduct a "fist of five" vote on the question "How likely are we to achieve the Sprint Goal?"
- Review the Sprint 2 backlog
- Obtain a status report of what task each team member was working on
- Assess if tasks need to be added or reassigned

Status Update Since Last Meeting

Accomplishments:

- Google Translate
- Cart makeover
- Improved file structure

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Have a Google Translate	Kelvin	yes
Cart makeover	Kelvin	yes
Improved file structure	Karan	yes



Before The Next Meeting

Plans:

- Implement testing
- Integrate Google OATH
- Integrate time and weather
- Implement order management features
- Touch up UI
- Add descriptions to menu items
- Make the menu board

Task Assignments:

Task Description	Assigned to
Implement order management features for the manager.	Karan
Implementing testing for our application	All
Integrate time and weather into the website	Isaac
Touch up UI so that it looks nicer	Kunal
C1: Integrate Google Authentication (OAuth2)	Wyatt
Menu item descriptions	Isaac
Menu Board	Aditya

Minutes from Previous Meeting

During our Sprint 2 planning meeting, we started with a warm welcome and a quick overview of the meeting's purpose. We reviewed our progress from Sprint 1, discussed our goals for Sprint 2, and went through our product backlog to select user stories. After assigning tasks to team members, we clarified what "done" meant for Sprint 2 and had a Q&A session. Finally, we summarized the next steps, assigned responsibilities for Sprint 2, and thanked everyone for their contributions.



SCRUM Meeting 2 for [Rev's Grill Website](#)

Prepared by: Aditya

Meeting Date: Apr 10, 2024

Meeting Attendees

1. Aditya Biradar
2. Isaac Ambro
3. Wyatt Cade
4. Karan Bhalla
5. Kunal Jain
6. Kelvin Su

Meeting Agenda Items

- Conduct a "fist of five" vote on the question "How likely are we to achieve the Sprint Goal?"
- Review the Sprint 2 backlog
- Obtain a status report of what task each team member was working on
- Assess if tasks need to be added or reassigned

Status Update Since Last Meeting

Accomplishments:

- Weather
- Time
- Back end testing
- 3 payment types

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Implementing the weather API	Kelvin	yes
Adding a time to the website	Isaac	yes
Implementing more backend testing	Kelvin	yes



Before The Next Meeting

Plans:

- Menu board
- Order management
- Rework ui
- Google oath
- Front end testing
- Restock fulfills custom rather than generic amount
- Employee view burger category not persisting
- Revs logo
- Adding pictures
- Seasonal item
- Employee view emphasize for efficiency
- Menu item features improved
- Bigger buttons
- Change quantity in transaction window and remove items from transaction
- Organize table results
- Indication that they clicked it menu item
- Slide out transaction panel for customer

Task Assignments:

Task Description	Assigned to
Menu board	Aditya
Google oath	Wyatt
Front end testing	All
Adding pictures	Anyone
Seasonal item	Anyone
Bigger buttons	Anyone
Change quantity in the transaction window and remove items from the transaction	Kelvin



Minutes from Previous Meeting

During the meeting, the Fist of Five results averaged 4.33, suggesting a generally positive sentiment among attendees. Discussion points included the completion of User Story E from the sprint backlog, with plans for the team to continue their work on assigned tasks. No new tasks were mentioned for addition during the meeting, and no blockers were reported, indicating smooth progress and collaboration among team members.

SCRUM Meeting 3 for **Rev's Grill Website**

Prepared by: Aditya

Meeting Date: Apr 13, 2024

Meeting Attendees

1. Aditya Biradar
2. Isaac Ambro
3. Wyatt Cade
4. Karan Bhalla
5. Kunal Jain
6. Kelvin Su

Meeting Agenda Items

- Conduct a "fist of five" vote on the question "How likely are we to achieve the Sprint Goal?"
- Review the Sprint 2 backlog
- Obtain a status report of what task each team member was working on
- Assess if tasks need to be added or reassigned

Status Update Since Last Meeting

Accomplishments:

- Reading orders, Removing orders
- Google translate
- 3 payment options
- Improving transaction window in employee
- Menu item click indications

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Reading orders, Removing orders	Karan	yes
Google translate	Kelvin	yes
3 payment options for the customer	Kelvin	yes
Improving transaction window in employee	Kelvin	yes



menu item click indications	Kelvin	yes
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Before The Next Meeting

Plans:

- Testing
- Menu item popularity analysis
- Adding pictures
- Seasonal Items

Task Assignments:

Task Description	Assigned to
Implement frontend Testing	All
Do a menu item popularity analysis	Kelvin
Adding pictures to the website	Anyone
Seasonal Items?	Anyone

Minutes from Previous Meeting

During the meeting, the Fist of Five results averaged 3.5, indicating a mixed sentiment among attendees. Discussion points included the completion of User Story D from the sprint backlog, with plans for the team to continue their work on assigned tasks. Additionally, issues identified in user studies, such as increased accessibility and feature improvement, were noted as tasks to add to the backlog. No blockers were raised during the discussion, suggesting ongoing progress and collaboration within the team.