



# Sprint 2 Materials

## Team Reveille

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Easton Havemann

## Retrospective Summary

During our retrospective meeting, we determined that our minimum viable product goal, implementing the manager pages, was completed, along with the successes and issues associated with our second sprint. Afterward, we discussed potential improvements for the third sprint. One of the successes discussed during the retrospective was that we were able to collaborate effectively by utilizing collaborative development techniques such as pair programming, mob programming, and informal reviews of our code. Additionally, another success noted was the ease of communication due to the various meetings and one-on-one meetings with other team members when necessary to discuss and merge each other's code. An issue during the sprint was that it was still relatively difficult to coordinate meetings in which everyone was involved since we had 7 people on the team. Another issue during the sprint was underestimating the time required to learn and implement some of the requested functionality and fix previously unknown bugs obtained from the user studies. As a result, although our backlog goals were met, the implementation for some of the features could use improvement. We could adjust our process by dynamically allocating our team to more high-priority features when necessary. Additionally, due to the usefulness of the user studies for finding improvements in our application, we will occasionally ask for feedback from a diverse range of people as we develop features to ensure our website maintains an excellent user experience.

## GitHub Release Link

<https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-project-3-900-01/releases/tag/v2.0.0>



## Product Backlog (Matthew is almost done with this)

| Summary  | Issue key | Status      | Dependency | Story Points |
|--|-----------|-------------|------------|--------------|
| Add date validation when adding menu item          | SCRUM-120 | Backlog     | SCRUM-62   | 3            |
| change category to dropdown when adding menu item  | SCRUM-119 | Backlog     | SCRUM-62   | 1            |
| Validate price when adding menu item               | SCRUM-118 | Backlog     | SCRUM-62   | 1            |
| Add graph for trending page                        | SCRUM-117 | Backlog     | SCRUM-63   | 3            |
| Add ability to sort tables in product usage report | SCRUM-116 | Backlog     | SCRUM-59   | 2            |
| Return button on transaction page broke            | SCRUM-115 | In Progress |            | 2            |
| Order cancels on page refresh                      | SCRUM-114 | Backlog     |            | 2            |
| Remove temporary navigation from home page         | SCRUM-112 | Backlog     |            | 1            |
| Input validation for manager reports               | SCRUM-111 | Backlog     | SCRUM-62   | 3            |
| Remove time from date type                         | SCRUM-110 | Backlog     | SCRUM-62   | 2            |
| Transaction page                                   | SCRUM-109 | Backlog     |            | 2            |
| cacheir order backend                              | SCRUM-108 | Backlog     | SCRUM-106  | 2            |
| cashier order front end                            | SCRUM-107 | Backlog     | SCRUM-106  | 2            |



|  |           |         |           |   |
|--|-----------|---------|-----------|---|
| Create cashier order app                           | SCRUM-106 | Backlog | SCRUM-21  | 1 |
| pass accessibility checker website                 | SCRUM-105 | Backlog |           | 3 |
| Heroku images not working                          | SCRUM-104 | Done    |           | 1 |
| Refactor Orders Page Backend                       | SCRUM-102 | Done    | SCRUM-38  | 2 |
| Some items don't translate the price               | SCRUM-101 | Done    |           | 2 |
| Order Page features based on user feedback         | SCRUM-100 | Done    | SCRUM-38  | 2 |
| Fix Readme   | SCRUM-99  | Done    |           | 1 |
| Delete and clear button for the checkout cart      | SCRUM-97  | Done    | SCRUM-109 | 2 |
| Make the header static                             | SCRUM-96  | Done    |           | 1 |
| Cart checkout item count in the icon               | SCRUM-95  | Done    |           | 1 |
| End date for menu items bug                        | SCRUM-94  | Done    |           | 1 |
| Items aren't tracked when using translator         | SCRUM-92  | Done    |           | 2 |
| Testing  | SCRUM-91  | Backlog |           |   |
| Transaction page backend                           | SCRUM-90  | Done    |           | 2 |
| Transaction page front end                         | SCRUM-89  | Done    |           | 2 |
| Ordered Items in cart don't appear when refreshing | SCRUM-88  | Done    |           | 1 |



|   |          |             |          |   |
|---|----------|-------------|----------|---|
| Category text cuts into button text                       | SCRUM-87 | Done        |          | 1 |
| Create tests for the product usage page                   | SCRUM-85 | In Progress | SCRUM-59 | 2 |
| Create tests for the restock page                         | SCRUM-84 | In Progress | SCRUM-62 | 2 |
| Create tests for the trending page                        | SCRUM-83 | In Progress | SCRUM-63 | 2 |
| Create tests for the menu board in the web application    | SCRUM-82 | Backlog     | SCRUM-67 | 1 |
| Create tests for the excess report in the web application | SCRUM-81 | In Progress | SCRUM-61 | 2 |
| Change database passwords to environment variables        | SCRUM-80 | Backlog     |          | 2 |
| Route all manager pages                                   | SCRUM-75 | Done        | SCRUM-48 | 1 |
| Web hosting   | SCRUM-74 | Done        |          | 1 |
| backend for login page                                    | SCRUM-72 | Done        | SCRUM-70 | 4 |
| Add oauth support   | SCRUM-71 | Done        | SCRUM-70 | 4 |
| Create login app  | SCRUM-70 | Done        | SCRUM-21 | 1 |
| create menu board template                                | SCRUM-68 | In Progress | SCRUM-67 | 4 |
| create menu board app                                     | SCRUM-67 | Done        | SCRUM-21 | 2 |
| add alt text to images                                    | SCRUM-66 | Backlog     |          | 1 |



|                                  |          |         |          |   |
|----------------------------------|----------|---------|----------|---|
| add weather to manager header    | SCRUM-65 | Done    |          | 1 |
| add translation to manager page  | SCRUM-64 | Backlog | SCRUM-48 | 3 |
| backend for trending page        | SCRUM-63 | Done    | SCRUM-48 | 2 |
| backend for restock report page  | SCRUM-62 | Done    | SCRUM-48 | 2 |
| backend for excess page          | SCRUM-61 | Done    | SCRUM-48 | 2 |
| backend for sales report page    | SCRUM-60 | Done    | SCRUM-48 | 2 |
| backend for product usage page   | SCRUM-59 | Done    | SCRUM-48 | 2 |
| backend for manager footer page  | SCRUM-58 | Done    | SCRUM-48 | 2 |
| backend for manager home page    | SCRUM-57 | Done    | SCRUM-48 | 2 |
| create trends template           | SCRUM-56 | Done    | SCRUM-48 | 2 |
| create restock report template   | SCRUM-55 | Done    | SCRUM-48 | 2 |
| create excess template           | SCRUM-54 | Done    | SCRUM-48 | 2 |
| create sales report template     | SCRUM-53 | Done    | SCRUM-48 | 2 |
| create product usage template    | SCRUM-52 | Done    | SCRUM-48 | 2 |
| create manager header            | SCRUM-50 | Done    | SCRUM-48 | 1 |
| create manager homepage template | SCRUM-49 | Done    | SCRUM-48 | 2 |



|                              |          |      |          |   |
|------------------------------|----------|------|----------|---|
| create manager app           | SCRUM-48 | Done | SCRUM-21 | 1 |
| add weather info to header   | SCRUM-47 | Done |          | 2 |
| add translation support      | SCRUM-46 | Done |          | 2 |
| backend for sides page       | SCRUM-44 | Done | SCRUM-23 | 2 |
| backend for beverages page   | SCRUM-43 | Done | SCRUM-23 | 2 |
| backend for baskets page     | SCRUM-42 | Done | SCRUM-23 | 2 |
| backend for shakes page      | SCRUM-41 | Done | SCRUM-23 | 2 |
| backend for sandwich page    | SCRUM-40 | Done | SCRUM-23 | 2 |
| backend for burgers page     | SCRUM-39 | Done | SCRUM-23 | 2 |
| backend for all items page   | SCRUM-38 | Done | SCRUM-23 | 2 |
| backend for customer footer  | SCRUM-37 | Done | SCRUM-23 | 2 |
| backend for customer header  | SCRUM-36 | Done | SCRUM-23 | 2 |
| backend for customer sidebar | SCRUM-35 | Done | SCRUM-23 | 2 |
| Route all templates          | SCRUM-34 | Done |          | 1 |
| create beverages template    | SCRUM-33 | Done | SCRUM-23 | 2 |
| create sides template        | SCRUM-32 | Done | SCRUM-23 | 2 |



|                                  |          |      |          |   |
|----------------------------------|----------|------|----------|---|
| create shakes template           | SCRUM-31 | Done | SCRUM-23 | 2 |
| create sandwiches template       | SCRUM-30 | Done | SCRUM-23 | 2 |
| create baskets template          | SCRUM-29 | Done | SCRUM-23 | 2 |
| create burgers template          | SCRUM-28 | Done | SCRUM-23 | 2 |
| Create all items template        | SCRUM-27 | Done | SCRUM-23 | 2 |
| create customer footer template  | SCRUM-26 | Done | SCRUM-23 | 1 |
| create customer sidebar template | SCRUM-25 | Done | SCRUM-23 | 2 |
| create customer header template  | SCRUM-24 | Done | SCRUM-23 | 1 |
| Create customer app              | SCRUM-23 | Done | SCRUM-21 | 1 |
| figure out SQL connection        | SCRUM-22 | Done |          | 2 |
| create basic project             | SCRUM-21 | Done |          | 1 |
| clean up repo                    | SCRUM-20 | Done | CRUM-21  | 1 |

## Sprint Backlog

| Summary                                    | Estimated Story Points | Assigned To | Actual Story Points | Status |
|--|------------------------|-------------|---------------------|--------|
| Order Page features based on user feedback | 2                      | Uzma        | 2                   | Done   |



|   |   |                 |   |             |
|---|---|-----------------|---|-------------|
| Fix Readme  | 1 | Matthew         | 1 | Done        |
| End date for menu items bug                               | 1 | Matthew         | 2 | Done        |
| Transaction page backend                                  | 2 | Uzma            | 2 | Done        |
| Transaction page front end                                | 2 | Uzma            | 1 | Done        |
| Create tests for the product usage page                   | 2 | Raphael         |   | In Progress |
| Create tests for the restock page                         | 2 | Raphael         |   | In Progress |
| Create tests for the trending page                        | 2 | Raphael         |   | In Progress |
| Create tests for the excess report in the web application | 2 | Raphael         |   | In Progress |
| Route all manager pages                                   | 1 | Alex Do         | 1 | Done        |
| backend for login page                                    | 4 | Alex Do         | 2 | Done        |
| Add oauth support   | 4 | Alex Do         | 4 | Done        |
| Create login app  | 1 | Alex Do         | 1 | Done        |
| create menu board app                                     | 2 | Uzma            | 1 | Done        |
| add weather to manager header                             | 1 | Uzma            | 1 | Done        |
| backend for trending page                                 | 2 | Raphael         | 2 | Done        |
| backend for restock report page                           | 2 | Easton Havemann | 2 | Done        |
| backend for excess page                                   | 2 | Easton Havemann | 2 | Done        |





|                                  |   |         |   |      |
|----------------------------------|---|---------|---|------|
| backend for sales report page    | 2 | Nathan  | 2 | Done |
| backend for product usage page   | 2 | Nathan  | 2 | Done |
| backend for manager footer page  | 2 | Alex Do | 1 | Done |
| backend for manager home page    | 2 | Alex Do | 2 | Done |
| create trends template           | 2 | Dhiraj  | 2 | Done |
| create restock report template   | 2 | Dhiraj  | 2 | Done |
| create excess template           | 2 | Dhiraj  | 2 | Done |
| create sales report template     | 2 | Dhiraj  | 2 | Done |
| create product usage template    | 2 | Dhiraj  | 2 | Done |
| create manager header            | 1 | Uzma    | 1 | Done |
| create manager homepage template | 2 | Alex Do | 1 | Done |
| create manager app               | 1 | Alex Do | 1 | Done |
| fixed translation bug            | 2 | Nathan  | 2 | Done |

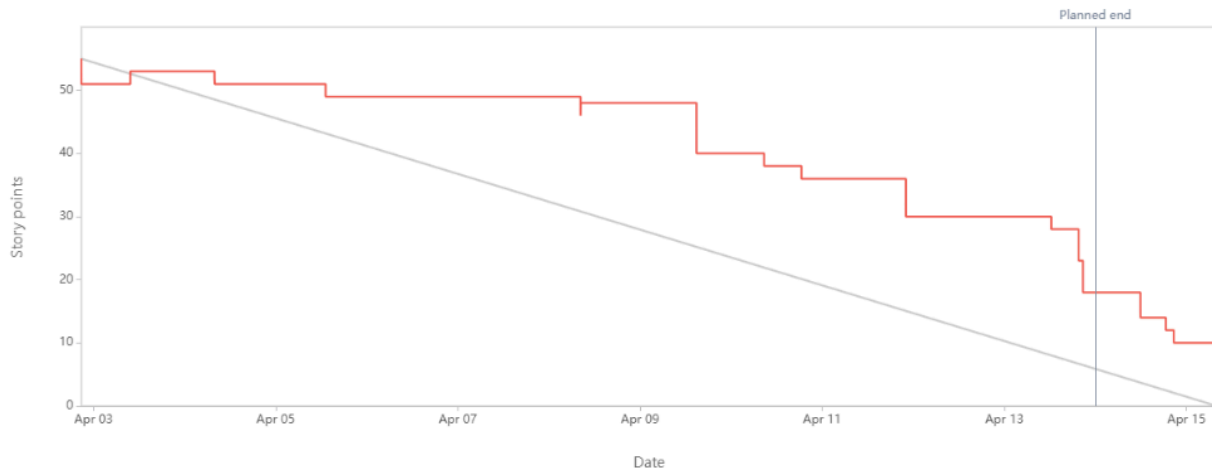
## Summary Table

| Developer | Completed Points |
|-----------|------------------|
| Matthews  | 3                |
| Alex      | 16               |
| Raphael   | 2                |
| Uzma      | 10               |
| Easton    | 4                |
| Nathan    | 6                |
| Dhiraj    | 10               |



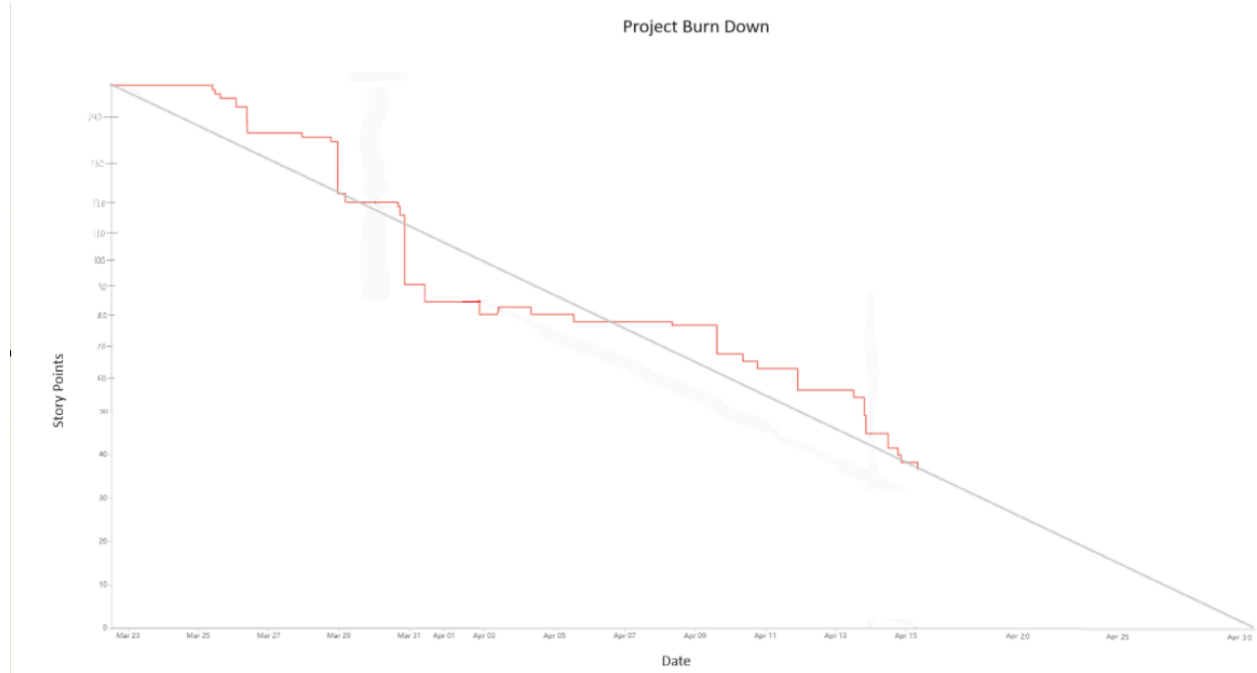
## Burn-down Charts

### Sprint 2 Burn-down





## Project Burn-down



## Next Sprint's SCRUM Meeting Schedule

- Thursday 4/18/2024 at 7:50AM
- Tuesday 4/23/2024 at 7:50AM
- Thursday 4/25/2024 at 7:50AM



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## Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Project 3

Prepared by: Matthew

Meeting Date: 4/4/24

### Meeting Attendees

1. Matthew
2. Uzma
3. Easton
4. Alex
5. Dhiraj
6. Nathan

### Meeting Agenda Items

- Discuss our progress yesterday on achieving the sprint goal
- What we plan on doing today to achieve our goal
- Any blockers we are encountering preventing development
- Determine how to split up the tasks in the backlog appropriately

### Status Update Since Last Meeting

Accomplishments:

- Released first MVP which included customer order functionality
- Decided on sprint 2 goals and work items

Tasks Completed:

| Task Description                     | Assigned to                 | Completed? (yes/no) |
|--------------------------------------|-----------------------------|---------------------|
| Sprint 2 plan and sprint 1 paperwork | Team                        | Yes                 |
| Sprint 1 report                      | Uzma, Matthew, Alex, Nathan | yes                 |
| Basic manager app                    | Easton                      | Yes                 |
| Manager header and basic layout      | Djiraj                      | yes                 |



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## Before The Next Meeting

### Plans:

- Menu board app
- OAuth
- Manager pages
- Fix transaction page
- SQL fixes
- Excess report

### Task Assignments:

| Task Description                                | Assigned to |
|---|-------------|
| Create menu board app                           | Uzma        |
| Integrate oAuth                                 | Alex        |
| Build manager page templates                    | Dhiraj      |
| Fix bugs in transaction page                    | Nathan      |
| Fix SQL bug and add start/end date to menu item | Matthew     |
| Front end for excess report                     | Easton      |

## Minutes from Previous Meeting

In our previous meeting, we implemented the remaining features for the ordering pages, such as search functionality and a checkout cart. Additionally, we implemented a new transaction page to make the checkout process more streamlined and discussed how to integrate it with our existing pages. We also ensured that the web-hosted version of our application was free of any potential issues. Also, we discussed the ongoing blockers, such as deciding on what testing framework would be most effective for our application. Furthermore, we discussed how we should go about implementing the manager pages and the critical features and pages that needed to be implemented, along with the associated tasks.



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## SCRUM Meeting 2 for Project 3

Prepared by: Matthew

Meeting Date: 4/9/24

## Meeting Attendees

1. Matthew
2. Uzma
3. Easton
4. Alex
5. Dhiraj
6. Nathan
7. Raphael

## Meeting Agenda Items

- Discuss our progress yesterday on achieving the sprint goal
- Discuss what we plan on doing today to achieve our goal
- Blockers preventing development

## Status Update Since Last Meeting

### Accomplishments:

- Team meeting
- User study report
- Front end for orders page
- Transaction page
- Restock report
- Sales report
- Excess report
- Trending report

### Tasks Completed:

| Task Description  | Assigned to   | Completed? (yes/no) |
|-------------------|---------------|---------------------|
| Team meeting      | Matthew, Alex | Yes                 |
| User study report | Matthew, Alex | Yes                 |
| Orders page       | Uzma          | Yes                 |



|                  |              |     |
|------------------|--------------|-----|
| Transaction page | Uzma, Nathan | No  |
| Restock report   | Dhiraj       | No  |
| Sales report     | Dhiraj       | No  |
| Excess report    | Dhiraj       | Yes |
| Trending report  | Raphael      | No  |

## Before The Next Meeting

### Plans:

- Clean up Git repo
- Add translation support to the search function
- Backend for excess report
- OAuth
- Product usage report
- Translation bugs
- Trending report

### Task Assignments:

| Task Description                      | Assigned to |
|---------------------------------------|-------------|
| Clean up GitHub Repo                  | Matthew     |
| Ass translation support to search bar | Uzma        |
| Excess report backend                 | Easton      |
| OAuth for managers and cashiers       | Alex        |
| Product usage report                  | Dhiraj      |
| Fix Translation bugs                  | Nathan      |
| Finish trending report                | Raphael     |

## Minutes from Previous Meeting

In our previous meeting, we discussed the various tasks involved and how to effectively distribute amongst the team members to ensure that we're able to deliver the minimum viable product before the deadline. We also discussed and implemented necessary database changes



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to let us more easily implement some of our features in the manager pages. We talked about how we should integrate the various APIs such as the translate and weather APIs. Additionally, we reviewed various accessibility features to ensure our application is up to standard. We also talked more about the implementation of the Google authentication API and how to effectively incorporate it into our existing product. We also discussed some of the bugs we discovered and debated on how to effectively resolve them. Also, we talked about the blockers preventing us from development and when to participate in collaborative development methodologies to help resolve some of the blockers.





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## SCRUM Meeting 3 for Project 3

Prepared by: Matthew

Meeting Date: 4/11/24

## Meeting Attendees

1. Matthew
2. Uzma
3. Easton
4. Alex
5. Dhiraj
6. Nathan
7. Raphael

## Meeting Agenda Items

- Discuss our progress yesterday on achieving the sprint goal
- Discuss what we plan on doing today to achieve our goal
- Resolve blockers preventing development

## Status Update Since Last Meeting

### Accomplishments:

- Cleaned up Repo
- Restock report
- OAuth
- Sales report
- Trending page

### Tasks Completed:

| Task Description       | Assigned to | Completed? (yes/no) |
|------------------------|-------------|---------------------|
| Cleaned up Github Repo | Matthew     | Yes                 |
| Restock report         | Easton      | Yes                 |
| OAuth integration      | Alex        | Yes                 |
| Sales report           | Nathan      | No                  |
| Trending page          | Raphael     | No                  |



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## Before The Next Meeting

### Plans:

- Fix database date bug
- Add translation to order page
- Excess report
- Sales report
- Product usage report
- Graphs for trending page

### Task Assignments:

| Task Description              | Assigned to    |
|-------------------------------|----------------|
| Fix date bug in database      | Matthew        |
| Add translation to order page | Uzma           |
| Excess report                 | Easton         |
| Product usage report          | Nathan, Dhiraj |
| Sales report                  | Alex, Nathan   |
| Trending report               | Raphael        |

## Minutes from Previous Meeting

In the previous meeting, we discussed the results of the user study report and the best course of action after reviewing the data gathered. We also discussed how to organize the git repository. Most importantly, we discussed the statuses on the frontend and backend of the manager pages and determined if there were any blockers preventing further development of the sprint goal. Specifically, we discussed further development of the excess, restock, sales, and trending pages, along with potentially how to test the pages. Also, we discussed incorporating graphs into certain manager pages. We also discussed technical aspects such as how to implement the various required APIs to ensure our application is replete with beneficial features.