



# Sprint 2 Materials

331-902 Team 3 or Group 9

Rushil Jayant  
Riley Wenckens  
Rahul Rajendran  
Elvis Chen  
Diego Martinez  
Laith Bohsali

## Retrospective Summary

From the sprint two retrospective meeting, it has been determined that the final sprint will be significantly busier than the first two. However, we believe it will still be doable. This was agreed upon by all members of the group, especially after the MVP demonstration. The next topic of discussion in the retrospective meeting was in regard to what went right and wrong during the sprint. As a team, we believe that the work done in sprint two will serve as useful groundwork for the final sprint. However, it was agreed that more tasks could have been proposed for this sprint. Additionally, select members of the group noted major deadlines in other courses and weren't able to contribute as much as initially planned. This can be attributed to sub-optimal planning and time management. As a result of these wrongs, it will be necessary to put forth utmost effort in the last sprint to successfully complete the requirements for the final product demonstration. One change to procedure that will be made in the upcoming sprint relates to taking advantage of the planning period. We may find it necessary to start writing code a few days earlier. This way, we will be able to achieve the ambitious goals of sprint three. Execution of the completed tickets was mostly fine, but some were not completed at high quality. The creation of tickets in the future must be more descriptive and specific. The final topic of discussion in the retrospective meeting was the sprint backlog goals. The backlog goal was not met; reasons for this include unforeseen deployment issues and minor bugs with Google OAUTH. Upon receiving feedback from the sprint two MVP demonstration, some items have been added to the product backlog. Specifically, CRUD operations regarding the "Kitchen" and any other items missed in sprint two.

## GitHub Release Link

<https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-902-team-3/releases/tag/Sprint-2>



## Product Backlog

Your product backlog contains the list of tasks with their:

- priorities,
- dependencies,
- user story points (an estimate of effort involved from the unitless set {1, 2, 3, 5, 8, 13, 21}), and
- status {not started, in progress, completed}.

It should be updated continually throughout the project. Include the snapshot of the product backlog at the end of the sprint here.

Sprint 1 Tasks	Task No	Priority (1-5)	Dependencies	Story Points	Status
Initial repo setup and access confirmation	0	1		1	Completed
Setup folder structure and add readme	1	1		1	Completed
Update wireframe/mockups	2	2		1	Not started
Redesign/simplify database schema	3	1		1	Completed
Add description component to menu_item table	4	1	6	2	Completed
Refactor Dates and times to become timestamps	5	1	6	4	Completed
Initialize new database that richy set up for project 3	6	1		2	Completed
Create SQL functions-list	7	2	3	1	Completed
Find and add constants for styling	8	3		1	Completed
Frontend: page navigation	9	4	1	1	Completed
Frontend: base welcome page ui	10	3	1	2	Completed
Frontend: base clock-in and clock-out page ui	11	3	1	2	Completed
Frontend: base user menu page ui	12	3	1	4	Completed
Backend: CRUD for singular	13	3	1, 4	2	Completed



user/customer					
Backend: CRUD for singular menu item and R for all menu-items	14	3	1, 4	2	Completed
Partial special functions	15	3	1, 4	2	Not started
Unit tests for user CRUD	16	4	10	2	Not started

Sprint 2 Tasks	Task No	Priority (1-5)	Dependencies	Story Points	Status
Google OAuth2 setup	0	2		1	Completed
Google OAuth2 implementation/connection	1	2	0	1	Completed
Authentication using Google OAuth2 for Cashiers.	2	2	1	1	Completed
Authentication using Google OAuth2 for managers	3	2	1	1	Completed
Authentication using Google OAuth2 for customers	4	2	1	1	Completed
Google OAuth2 testing	5	2	0 1	4	Not started
Google Translate API Setup	6	2		1	Completed
Google Translate Implementation	7	2	0	2	Completed
Translate to native price (us, peso, canadian)?	8	3	7	4	In progress
OpenWeather setup	9	2		1	Completed
OpenWeather implementation/connection	10	2	9	2	Completed
Open Weather Price adjustment? Aka surge pricing.	11	2	10	6	Completed
Surge Pricing testing	12	2	10,11	4	In progress
Connection of SQL queries to Managers/analytics pages	13	1	13, 20	4	In progress
Button validation with manager page	14	3	14	2	In progress
Unit testing for proper use of SQL queries	15	1	14	2	Not started



being used for the manager page.					
Front End: Base design of menu board	16	1		8	Completed
Button placement for menu board in the welcome screen	17	1		1	Completed
Dynamic updates of the menu board. Aka make it populate based on data stored in the database, not stored locally.	18	1	17	4	In progress
Sql queries to pull information for the menu board.	19	1		4	In progress
Make sure new description is being used in menu board population	20	1		1	In progress
Front End: Managers/analytics pages to be redesigned in python	21	1		8	Completed

## Sprint Backlog

Sprint 2 Backlog	Story Points	Assigned To	Time Spent	Status
Google OAuth2 setup	1	Elvis Chen	1	Completed
Google OAuth2 implementation	1	Elvis Chen	1	Completed
Authentication using Google OAuth2 for Cashiers.	1	Elvis Chen	1	completed
Authentication using Google OAuth2 for managers	1	Elvis Chen	1	completed
Authentication using Google OAuth2 for admin	1	Elvis Chen	1	completed
Google OAuth2 testing	1	Elvis Chen	n/a	In progress
Google Translate API Setup	3	Diego Martinez	4	Completed



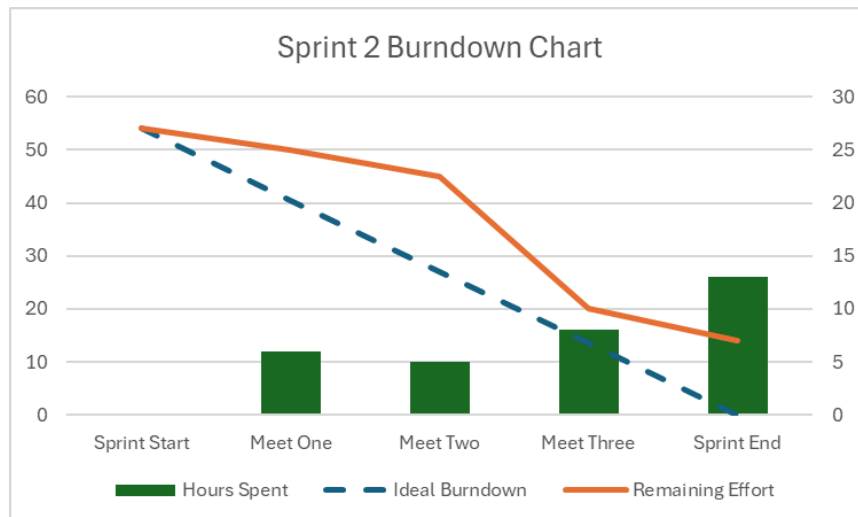
Google Translate Implementation	3	Diego Martinez	1	Completed
OpenWeather setup	1	Rushil Jayant	2	Completed
OpenWeather implementation/connection	2	Rushil Jayant	2	Completed
Open Weather Price adjustment? Aka surge pricing.	6	Rushil Jayant	n/a	Completed
Surge Pricing testing	1	Rushil Jayant	n/a	In progress
Connection of SQL queries to Managers/analytics pages	4	Laith Bohsali	n/a	In progress
Unit testing for proper use of SQL queries being used for the manager page.	2	Diego Martinez	n/a	In progress
Front End: Base design of menu board	8	Rahul Rajendran	3	Completed
Button placement for the menu board on the welcome screen	1	Elvis Chen	1	Completed
Dynamic updates of the menu board. Aka make it populate based on data stored in the database, not stored locally.	4	Diego Martinez	6	Completed
Sql queries to pull information for the menu board.	4	Diego Martinez	1	Completed
Make sure new description is being used in menu board population	1	Diego Martinez	1	Completed

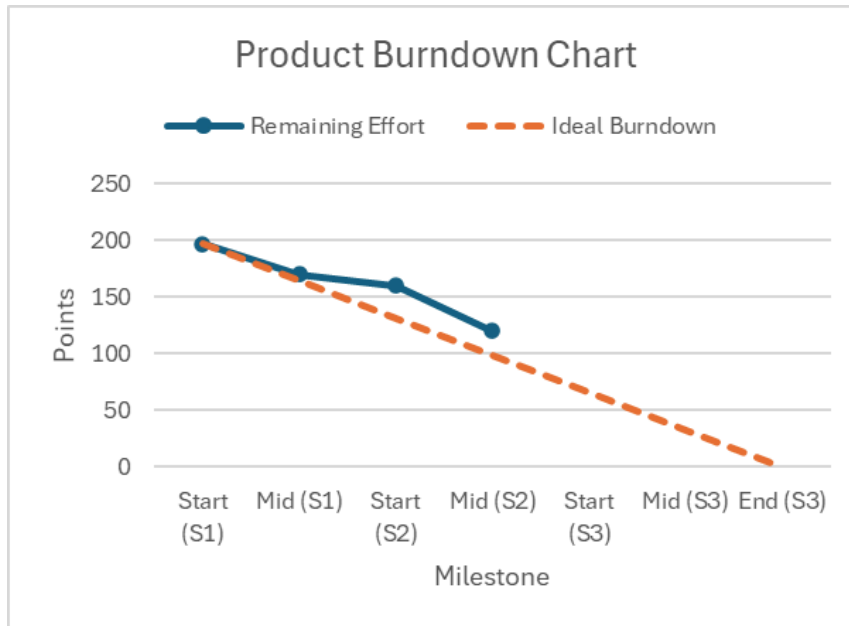


Front End: Managers/analytics pages to be redesigned in Python	8	Riley Wenckens	6	Completed
--	---	----------------	---	-----------

Summary Table	Rushil Jayant	Riley Wenckens	Rahul Rajendran	Elvis Chen	Diego Martinez	Laith Bohsali
Sprint 1	4	10	8	4	8	1
Sprint 2	13	8	8	5	15	4

## Burn-down Charts





## Next Sprint's SCRUM Meeting Schedule

The Retrospective meeting was on April 15th during the lab, which will look at success and failures in the demo and the remaining product backlog to make a revised final sprint goal that should propel us to completion. The planning meeting will be held on April 17th in the lab to add all the discussion points to the backlog. Afterwards, Scrum meetings will be held as necessary in Lab and Lecture, possibly on April 23, 24, and 25.



---

## Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 6 (Planning) for Project 3

Prepared by: Rushil Jayant

Meeting Date: 4/3/2024

### Meeting Attendees

1. Rushil Jayant
2. Elvis Chen
3. Diego Martinez
4. Laith Bohsali
5. Rahul Rajendran
6. Riley Wenckens

### Meeting Agenda Items

- Understanding of remainder tasks and deliverables to be completed
- Discussion of activities that are needed to be completed to maintain proper pace of progress
- Plan Written Documentation for Sprint 2 and tasks for User Study assignment

### Status Update Since Last Meeting

Accomplishments:

- Completion of Sprint 1 Goals
- Live version of website as MVP usable for future assignment
- Further understanding of the technology stack by learning more about Vue and Django

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Sprint 1 Demo	Diego	Yes
Initial Two User Studies	Rahul	Yes
Assigning of Tasks for Sprint 2 Plan, User Study Report, Sprint 1 Writing Materials	Rushil	Yes





---

## Before The Next Meeting

### Plans:

- Complete Sprint 2 Planning, User Study, and Sprint 1 Writing Assignment
- Understand how to connect APIs with Vue.js and Django

### Task Assignments:

Task Description	Assigned to
Google OAuth for Authentication for Customers, Cashiers, and Managers	Elvis
Google Translate API	Diego
OpenWeather API/Surge Pricing	Rushil
Menu Board Design	Rahul

## Minutes from Previous Meeting

In this meeting, team 902-3 of CSCE 331 reviewed what we should do better from the Sprint 1. We have decided as a team that we did good on some things and could improve in many places in the project.

Specifically, we were most proud of the fact that we have been able to use the Agile Project management framework to the best of our ability. In Particular, we have been able to assign each other tasks and responsibilities that were able to streamline deliverables. Furthermore, we use this framework to ensure that we met our sprint goal and over 70% of the sprint backlog.

We believe that we could have improved on the fact that we could have reached out for help earlier in the process. Specifically, we could reach out to instructional staff on some technical difficulties early on so that not all tasks are done at the last minute. Also, we should have moved towards a more shared ownership mindset for the project as that will make sure that all team members double check our progress is on pace.



---

## SCRUM Meeting 7 (Standup) for Project 3

Prepared by: Rushil Jayant

Meeting Date: 4/9/2024

## Meeting Attendees

7. Rushil Jayant
8. Elvis Chen
9. Diego Martinez
10. Laith Bohsali
11. Rahul Rajendran
12. Riley Wenckens

## Meeting Agenda Items

- Read aloud SCRUM goal
- Take poll of how likely we are to meet the SCRUM goal
- Examine Sprint Backlog
  - Review Each item
  - Assign person to each item

## Status Update Since Last Meeting

### Accomplishments:

- Understanding the functionality behind Google Authentication
- Knowing potential pain points in the tasks assigned to each person

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Google OAuth Api	Elvis	No
Google Translate API	Diego	No
OpenWeather API/Surge Pricing	Rushil	No
Menu Board Design	Rahul	No



---

## Before The Next Meeting

### Plans:

- Try to implement Google OAuth into some parts of the website and make it somewhat functional
- Make sure that there are different ways to connect to the API in Django and the Vue js front end

### Task Assignments:

Task Description	Assigned to
Google OAuth Api	Elvis
Google Translate API	Diego
OpenWeather API/Surge Pricing	Rushil
Menu Board Design	Rahul

## Minutes from Previous Meeting

In this meeting, team 902-3 of CSCE 331 moved on from the last sprint review and analyzed the remaining items in the sprint backlog. Specifically, we wanted to make sure that the things that were partially complete are now fully and completely finished in the Sprint 2. We also updated our product backlog with more refined project meetings, and had more clearer stories on Github.

Given that last time, our project was made with separate and independent components with the backend database and the frontend disconnected. We planned on our goal for Sprint 2 being to connect the frontend and backend together, as well as getting the APIs working to add more functionality to the application.

For the next couple of weeks, we planned that the Scrum master would be in charge of helping everyone out in different ways as well as being more aware of project roles and responsibilities. The SCRUM master will also be responsible for quality assurance.



---

## SCRUM Meeting 8 (Standup) for Project 3

Prepared by: Rushil Jayant

Meeting Date: 4/10/2024

## Meeting Attendees

13. Rushil Jayant
14. Elvis Chen
15. Diego Martinez
16. Laith Bohsali
17. Rahul Rajendran
18. Riley Wenckens

## Meeting Agenda Items

- Read aloud SCRUM goal
- Take poll of how likely we are to meet the SCRUM goal
- Examine Sprint Backlog
  - Review Each item
  - Assign person to each item

## Status Update Since Last Meeting

### Accomplishments:

- Completion of Google OAuth onto some parts of the website as necessary
- Understanding how to use requests and Django to get the data from the API
- Proof of concept on how to use different APIs to complete project requirements

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Google OAuth Api	Elvis	Yes
Google Translate API	Diego	No
OpenWeather API/Surge Pricing	Rushil	No
Menu Board Design	Rahul	No



---

## Before The Next Meeting

### Plans:

- Fix the CRUD for the Database in Django
- Connect the Django with the Vercel frontend
- Understand how to implement surge pricing
- Implement menu board improvements feedback
- Correct API calls to the tables

### Task Assignments:

Task Description	Assigned to
API Calls to Database Tables	Laith
Google Translate API	Diego
OpenWeather API/Surge Pricing	Rushil
Menu Board Design	Rahul
Fix CRUD in Database	Diego

## Minutes from Previous Meeting

Since average is greater than 3 for the poll of how likely we are going to accomplish the scrum goal, we have moved on to discussing items in the Sprint backlog

During this meeting, we have discussed pain points as well as goals for the next few days. Specifically, Elvis Chen has planned on working on the Google Authentication, and feels that currently there are no difficulties in that end, as he has thoroughly read through the documentation. In terms of the menu boards, Rahul has promised to make a new customer menu board.

For the Database, Diego has said that he is going to make sure that he can implement the templates for the CRUD, and improve from previous versions and weeks of progress.



---

## SCRUM Meeting 9 (Standup) for Project 3

Prepared by: Rushil Jayant

Meeting Date: 4/11/2024

## Meeting Attendees

19. Rushil Jayant
20. Elvis Chen
21. Diego Martinez
22. Laith Bohsali
23. Rahul Rajendran
24. Riley Wenckens

## Meeting Agenda Items

- Read aloud SCRUM goal
- Take poll of how likely we are to meet the SCRUM goal
- Examine Sprint Backlog
  - Review Each item
  - Assign person to each item

## Status Update Since Last Meeting

### Accomplishments:

- Fixed the CRUD in the database so when running webserver locally the database is working fine
- Understood the Django API process so that for newer functionality the APIs can be implemented with ease

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
API Calls to Database Tables	Laith	No
Google Translate API	Diego	No
OpenWeather API/Surge Pricing	Rushil	No
Menu Board Design	Rahul	No
Fix CRUD in Database	Diego	Yes



---

## Before The Next Meeting

### Plans:

- Implement feedback from TA in Lab as well as the User Studies assignment
- Make sure to finish all other assignments as well as get the project more complete for further user testing
- Meet overall sprint goal
- Fix issues with Vercel Deployment

### Task Assignments:

Task Description	Assigned to
Improve Manager Frontend	Riley
Fix Vercel Deployment	Riley
API Calls to Database Tables	Laith
Google Translate API	Diego
OpenWeather API/Surge Pricing	Rushil
Menu Board Design	Rahul

## Minutes from Previous Meeting

Since average is greater than 3 for how likely we meet the sprint goal, we have moved on to discussing items in the Sprint backlog

Elvis is currently working on the authentication and is making progress with the tool currently, he is making sure that there are multiple ways of accessing the website, also to make sure that only certain kinds of users can access certain pages.

Diego is still working on the code for the Database operations and he finds that Django was a challenge, also to connect with Vercel. Riley was updating the Vercel and the group discussed the deployment of the software to the tool, and how it could be done correctly.



---

## SCRUM Meeting 10 (Retrospective) for Project 3

Prepared by: Rushil Jayant

Meeting Date: 4/15/2024

## Meeting Attendees

25. Rushil Jayant
26. Elvis Chen
27. Diego Martinez
28. Laith Bohsali
29. Rahul Rajendran
30. Riley Wenckens

## Meeting Agenda Items

- What went wrong in previous sprint
- What changes need to be made for subsequent sprints
- What adjustments need to be made for the product backlog

## Status Update Since Last Meeting

### Accomplishments:

- Completed Sprint Goal and Have a Backend and Frontend Connected with each other
- Ideated potential solution to fix frontend and backend connectivity issues
- Can use now better MVP to do further future assignment like Expert User Studies

### Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Improve Manager Frontend	Riley	Yes
Fix Vercel Deployment	Riley	No
API Calls to Database Tables	Laith	Yes
Google Translate API	Diego	Yes
OpenWeather API/Surge Pricing	Rushil	Yes
Menu Board Design	Rahul	Yes





---

## Before The Next Meeting

### Plans:

- Figure out Deployment to either Vercel or new Service
- Add Django Connection to OpenWeather API
- Review entire project requirements to find places that are missing

### Task Assignments:

Task Description	Assigned to
Deployment Issues Fixes	Rushil
Django Connection to OpenWeather API	Diego

## Minutes from Previous Meeting

Since average is greater than 3 for how likely we are going to meet sprint goal, we have moved on to discussing items in the Sprint backlog

Elvis said that he is finished with the Google Authentication, and is now going to look for other things to do, as well as test the authentication solution he had implemented. Diego figured out the database stuff and claimed it was a challenge that he was able to successfully solve. We also discussed that Rushil's responsibilities is to implement the weather API, and Diego is now going to work on translation. Rushil explained the need to test the code as well as make it consistent, and requested the help of multiple team members to work on the Django connection with the weather api.