Sprint 1 Materials

331-902 Team 3 or Group 9

Rushil Jayant

Riley Wenckens

Rahul Rajendran

Elvis Chen

Diego Martinez

Laith Bohsali

Retrospective Summary

At the conclusion of the first sprint and demo of the MVP, the retrospective meeting was held. The first topic of discussion in this meeting was to identify what went right and wrong during the sprint. It was agreed that members of the group completed their tasks early in the time frame of the sprint. This was beneficial for individuals and the team as a whole, and can be attributed to proper planning. Specifically, the sprint goals were formulated in a way that reduced internal dependencies. This was of great benefit as members did not need to spend long hours waiting on somebody else to complete their tasks. All items of the spring backlog were completed. One issue resulting from the initial lightness of workload in the first sprint is the possibility of busier sprints in the future. This point was brought up In the retrospective meeting, and members of the group suggested more items be added to the sprint backlog in future sprints. This will be a necessary step to compensate for the first sprint. Regarding the procedure, some members of the group thought the scrum meetings could have been more focused and to the point. This is valid, and the change will save time and improve productivity. Another change to procedure relates to the precision of user stories. The creation of tickets was done well for the most part, but there is room for improvement. Specifically, employing more nuanced and detailed stories can help make tasks more manageable. This way, a test driven approach can be applied before consolidating. After presenting the Sprint 1 MVP, it was determined that adjustments be made to the product backlog based on the feedback received. This includes clarifying the specifics and functionalities of features such as the weather API, Google authentication. This outlines the points of discussion from the retrospective meeting.

GitHub Release Link

https://github.com/csce-315-331-2024a/project-3-full-stack-agile-web-902-team-3/releases/tag/Sprint-1

Product Backlog

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 richey 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 user/customer	13	3	1, 4	2	Completed
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

Task					
Google OAuth2 setup	0	2		1	Not started
Google OAuth2 implementation/connection	1	2	0	1	Not started
Authentication using Google OAuth2 for Cashiers.	2	2	1	1	Not started
Authentication using Google OAuth2 for managers	3	2	1	1	Not started
Authentication using Google OAuth2 for customers	4	2	1	1	Not started
Google OAuth2 testing	5	2	0 1	4	Not started
Google Translate API Setup	6	2		1	Not started
Google Translate Implementation	7	2	0	2	Not started
Translate to native price (us, peso, canadian)?	8	3	7	4	Not started
OpenWeather setup	9	2		1	Not started
OpenWeather implementation/connection	10	2	9	2	Not started
Open Weather Price adjustment? Aka surge pricing.	11	2	10	6	Not started
Surge Pricing testing	12	2	10,11	4	Not started
Connection of SQL queries to Managers/analytics pages	13	1	13, 20	4	Not started
Button validation with manager page	14	3	14	2	Not started
Unit testing for proper use of SQL queries being used for the manager page.	15	1	14	2	Not started
Front End: Base design of menu board	16	1		8	Not started
Button placement for menu board in the welcome screen	17	1		1	Not started
Dynamic updates of the menu board. Aka make it populate based on data stored in the database, not stored locally.	18	1	17	4	Not started
Sql queries to pull information for the menu board.	19	1		4	Not started
Make sure new description is being used in menu board population	20	1		1	Not started
Front End: Managers/analytics pages to be redesigned in python	21	1		8	Not started

Sprint Backlog

| Sprint 1 Backlog	Story Points	Assigned To	Time Spent	Status
API - CRUD Menu Items	2	Diego Martinez / Rushil Jyant	2	Completed
API - CRUD User	2	Diego Martinez / Rushil Jyant	2	Completed
API - CRUD Menu Items Testing	2	Rushil Jyant	n/a	In progress
API - CRUD User Testing	2	Rushin Jyant	n/a	In progress
Redesign/Simplify Database	1	Elvis Chen / Diego Martinez	2	Completed
Setup w/ github and Django	2	Riley Wenckens	2	Completed
Base welcome page	2	Elvis Chen	1	Completed
Page Navigation	1	Elvis Chen	1	Completed
Populate New Database	4	Diego Martinez	6	Completed
Base Clock-in Clock-out	1	Laith Bohsali	2	Completed
Initial Repo setup	1	Riley Wenckens	1	Completed
Setup folder structure	1	Riley Wenckens	1	Completed
Base user menu page	4	Rahul Rajendran	6	Completed
menu-board	4	Rahul Rajendran	4	Completed

API: Get Trendy Items (Model: Menu)	1	Diego Martinez	N/A	In progress
API: Get Order From Time (Model:Order)	1	Diego Martinez	N/A	In progress
Constants for styling	1	N/A	N//A	Not Started
Front End: Manager default page	4	Riley Wenckens	6	Completed
Front End: Analytics table	2	Riley Wenckens	3	Completed

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

Burn-down Charts

Sprint 1 Burndown Chart

Product Burndown Chart
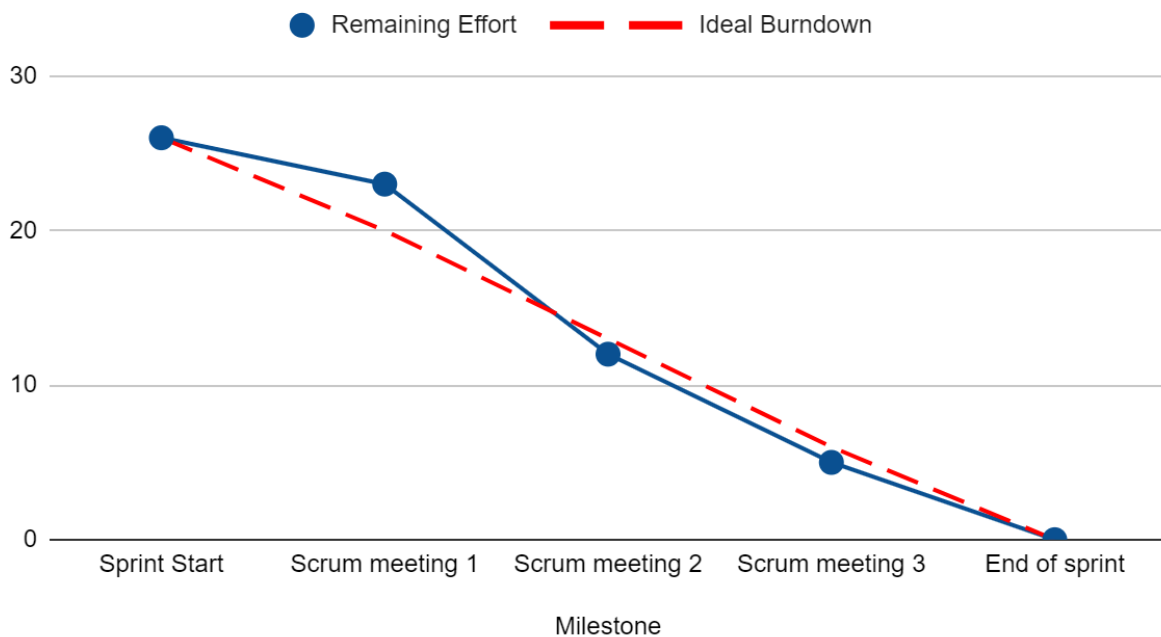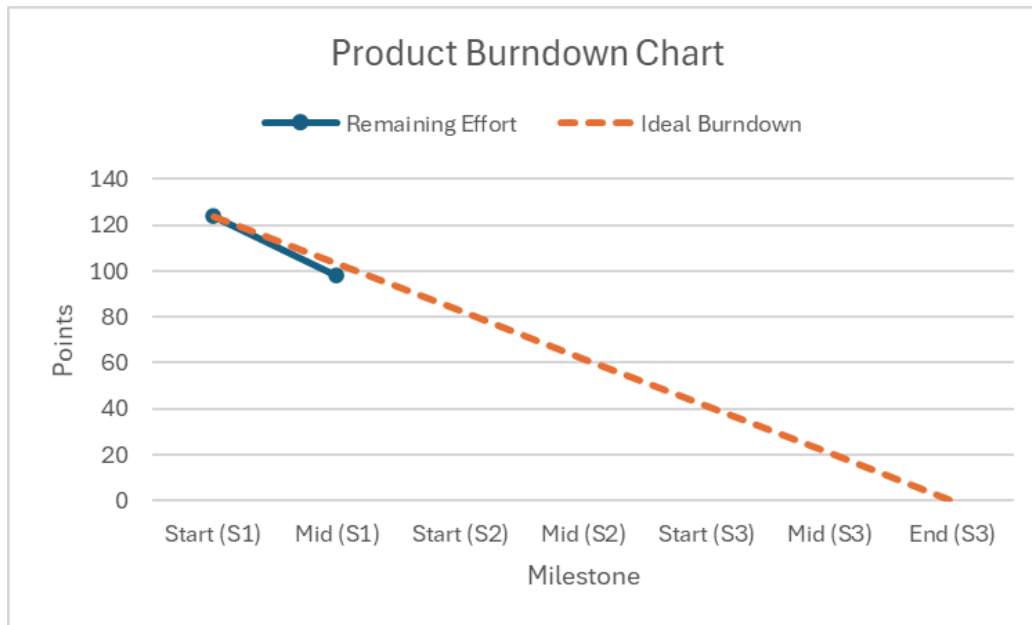
Next Sprint's SCRUM Meeting Schedule

The Retrospective Meeting was on April 1st during Lab, and will cover remaining backlog items from Sprint 1, and for the Sprint 2, we held our planning meeting April 3rd in the Lab session. Afterwards, we plan to hold our "standup" meetings during class time, and labtime as necessary. We aim to hold our first standup on April 4th, then once more on Wednesday April 10th, and Thursday April 11th. Our retrospective for this sprint will be held the following Monday on April 15th.

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Project 3 (Planning)
Prepared by: Rushil Jayant
Meeting Date: March 20, 2024

Meeting Attendees

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

Meeting Agenda Items

- Introduction and Discussion of Team Members' Strengths and Weaknesses
- Election of SCRUM Master
- Choice for tech stack
- Tasks for Sprint 1

Before The Next Meeting

Plans:
- Complete the assigned tasks in the sprint board
- Finish Project Design and Management Document
- Set up Github Repository to host a proper development environment
- Understand the breadth and scope of the project, and develop a shared understanding of the goals and deliverables

Task Assignments:

Task Description	Assigned to
SCRUM MASTER	Rushil Jayant
Initial repo setup and access confirmation	Diego Martinez
Setup folder structure and add readme	Diego Martinez
Update wireframe/mockups	Riley Wenckens

Redesign/simplify database schema	Riley Wenckens

SCRUM Meeting 2 for Project 3 (Standup)
Prepared by: Rushil Jayant
Meeting Date: March 26, 2024

Meeting Attendees

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

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:
- Understood the tech stack and the project requirements as a group
- Set up github repository and access configuration, as well as file structure
- Learned about Vercel and ways to deploy website into the system
- Initialize Database in new PostgreSQL server
- Restructure the existing database with updated schema

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Initial repo setup and access confirmation	Diego Martinez	Yes
Setup folder structure and add readme	Diego Martinez	Yes
Update wireframe/mockups	Riley Wenckens	Yes

Redesign/simplify database schema	Riley Wenckens	Yes

Before The Next Meeting

Plans:
- Learn about pytest testing library
- Find good styling library and plan website layout
- Create SQL function list

Task Assignments:

Task Description	Assigned to
Styling and Website: Find good styling library	Elvis
Plan website layout	Riley
Create SQL function list	Diego

Minutes from Previous Meeting

In this meeting, team 902-3 of CSCE 331 gave introductions to each other, and shared each person's technical strengths and weaknesses. We have also discussed the tech stack we plan on using.

We have elected to hold Rushil Jayant as the SCRUM master, as his duties include planning/leading scrum meetings, keeping teams on track, as well as helping everyone during difficulties in development.

In terms of tech stack, we planned on using the Django web development framework, with Vue.js for components in the different parts of the website. As we are using Python for our coding library, we plan on using the pytest and selenium libraries for testing our code as we go through a test driven approach.

All other team members who are not the SCRUM master, become the role of full stack web developer, and we will be using the Agile project management methodology to split our tasks in Github Projects using a Kanban board.

SCRUM Meeting 3 for Project 3 (Standup)
Prepared by: Rushil Jayant
Meeting Date: March 27th, 2024

Meeting Attendees

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

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:
- Planned out template for the website
- Hosted MVP on Vercel
- Finished designing website and found good design choices

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Styling and Website: Find good styling library	Elvis	Yes
Plan website layout	Riley	Yes
Create SQL function list	Diego	No

Before The Next Meeting

Plans:
- Understand how to access the PostgreSQL from Django code
- Check if other tasks have been completed

- Integrate vue js components into the website, explore possibilities

Task Assignments:

Task Description	Assigned to
Base Welcome Page	Elvis
Page Navigation	Elvis
Base Menu User Page	Rahul
API - CRUD and Test for Singular User	Diego
API - CRUD and Test for Menu	Rushil

Minutes from Previous Meeting

Overall people did not object much to the idea that we will meet our scrum goal of the MVP. We have decided that everyone does their own unit testing for all the functions that they do
For the database redesign, Riley finished this task and the database is up to date with everything that is necessary. Furthermore, diego added the description component to the menu item in the database, which changed the database schema. We have assigned the task of creating the database schema to Diego, which will be necessary for downstream operations. The task of initializing the database has been completed, so development can begin. The styling will be found by Elvis and the website layout will be taken care of by Riley.

SCRUM Meeting 4 for Project 3 (Standup)
Prepared by: Rushil Jayant
Meeting Date: March 28th, 2024

Meeting Attendees

19. Rushil Jayant
20. Riley Wenckens
21. Diego Martinez
22. Rahul Rajendran

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:
- Still confident with the SPRINT Goal even after roadblocks
- Implement a navigable MVP with all the main components
- Understanding of Django templates for SQL queries and local storage

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Base Welcome Page	Elvis	Yes
Page Navigation	Elvis	Yes
Base Menu User Page	Rahul	No
API - CRUD and Test for Singular User	Diego	No
API - CRUD and Test for Menu	Rushil	No

Before The Next Meeting

Plans:
- Continue pending tasks, ask for help if necessary, work through the weekend

- Complete sprint goal by deadline 70% minimum

Task Assignments:

Task Description	Assigned to
Base Menu User Page	Rahul
API - CRUD and Test for Singular User	Diego
API - CRUD and Test for Menu	Rushil

Minutes from Previous Meeting

In the previous meeting, Elvis decided to take responsibility for the base welcome page. Because of his experience with front end development, he notes he should be able to complete this task without much trouble. Working on the page navigation to ensure clean transitions and an easy user experience is one of our main goals.

Page navigation will be completed by Riley, Elvis notes that having a navigation bar will be best for project goals. Rahul will handle the menu item page, ensuring that it is sleek and fits the needs of any screen on which the menu is placed.

When discussing the back end, both Elvis and Diego are happy to take responsibility for CRUD and api testing. In the meeting, Diego discussed that he wanted to start as soon as possible on API's for the back end. Rushil is experienced with testing and offered to venture away from his role as manager to help the development team with testing. This ensures that we somewhat follow a test driven approach to ensure the correctness of our web app.

SCRUM Meeting 5 for Project 3 (Retrospective)
Prepared by: Rushil Jayant
Meeting Date: April 1st, 2024

Meeting Attendees

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

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 sprint submissions went without hiccups
- Have a general navigable MVP that can be used for future assignments
- Understandings of strengths and weaknesses as a team

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
Base Menu User Page	Rahul	Yes
API - CRUD and Test for Singular User	Diego	No
API - CRUD and Test for Menu	Rushil	No

Before The Next Meeting

Plans:
- Review planning documents from initial Project 3 assignments, as well as existing sprint backlog

Task Assignments:

Task Description	Assigned to
Review Sprint Documents and Backlog	Everyone
Do User Studies	Everyone
Complete Sprint 1 Materials Assignment	Everyone

Minutes from Previous Meeting

The previous meeting revolved around population of the new database, working on the base menu user page, and more work involving API crud testing. Because of Diego's love of the back end, he offered to populate the new database, with plans on revisiting this task from the last meeting and fixing some of the issues he encountered.

Diego also discussed further API crud testing with Rushil, discussing methods for singular testing and menu board testing. Another informal meeting will be held between the team to share python knowledge on testing, each team member has valuable knowledge to share.