Sprint 1 Materials

Team Name

[Optional Team Logo]

Soham Nagawanshi
Kevin Zhang
Ryan Kha
Shreyan Satheesh
Russell Rivard
Bradley James

Retrospective Summary

Summarize your retrospective meeting. Discuss what went right and wrong during the sprint, what changes (if any) need to be made regarding procedure, and what adjustments might need to be made to the product backlog. If backlog goals were not met, include an explanation of why not. The summary should be approximately 250 words.

After our first sprint, we noticed a number of things, some good, others bad. We did a good job with becoming more independent and taking responsibility. This allowed us to work on many different parts rather than focus all our resources on one or two items, allowing us to be more efficient. There has also been an improvement in our use of GitHub since the last project, with all members understanding how to properly alter different branches without compromising the main branch. Our communication has improved as well, allowing us to understand how much progress has been made and if anyone needs help. Despite this, there are many areas where we can improve going forward. One such area is with how we go about our implementation. Because we each have our own unique conventions for writing code, it tends to become confusing and difficult to understand what other members wrote. We have set some guidelines to try and mitigate this, but it will take some time before our styles become consistent with each other. We also still have a problem of when we ask for help. While there is no set amount of time before seeking guidance, some members immediately ask for help after 30 minutes of coding, whereas others wait several days without letting others know they are struggling. Our rule of thumb is to struggle, but not struggle too much to encourage members to try and troubleshoot the errors themselves. Then if it proves to be too difficult even after dedicating a good portion of time, then it would be appropriate to seek help from others. Going forward, we agreed that we should be able to spend some time each day implementing something for the project, even if it is a small feature. This way, we can constantly add to our project

instead of waiting until the last minute. We will also try to make the story points more indicative of how much time each story will take, since there were some discrepancies with the story points we assigned and how long it really took. Regarding the product backlog, it seems to be an accurate reflection of the amount of work we need to do to make the project up to our standards. With the backlog goals, we met most of them. The reason we did not meet all of them was because some were added later during the sprint and required much more time than was left to complete the sprint.

What went right:

- Doing better job of doing multiple things simultaneously
- Use of GitHub has been better
- Everyone is becoming more independent and take responsibility for their own learning
- Communication has been clear and consistent
- Meeting times are good for everyone
- Followed the Jira board schedule, helped up keep track with direction

What went wrong:

- Use Jira more effectively, make it more clean, assign tasks, etc.
- Can use better conventions for writing code, should not take multiple reviews, hold ourselves to a better standard, and test code before sending pull request
- We should take more ownership of our own learning
- Try it before asking for help
- Better pacing, don't wait until the last minute (learning React)
- Show demo to see progress made and what it looks like, progress made, etc.
- Availability is difficult to organize for all members
- Set aside time to work on project, even if it seems miniscule
- Sometimes started stories too late

Any changes:

- Dedicate consistent time every week
- We should make sure all members are there during meetings in person
- Better use of GitHub
- Learn to struggle, but not too much
- More accurate story points

Adjustments to product backlog:

- None, it seems to accurately reflect what we have to do

Were backlog goals met? If not, why?

- Most goals were met
- Unmet goals were added recently

GitHub Release Link

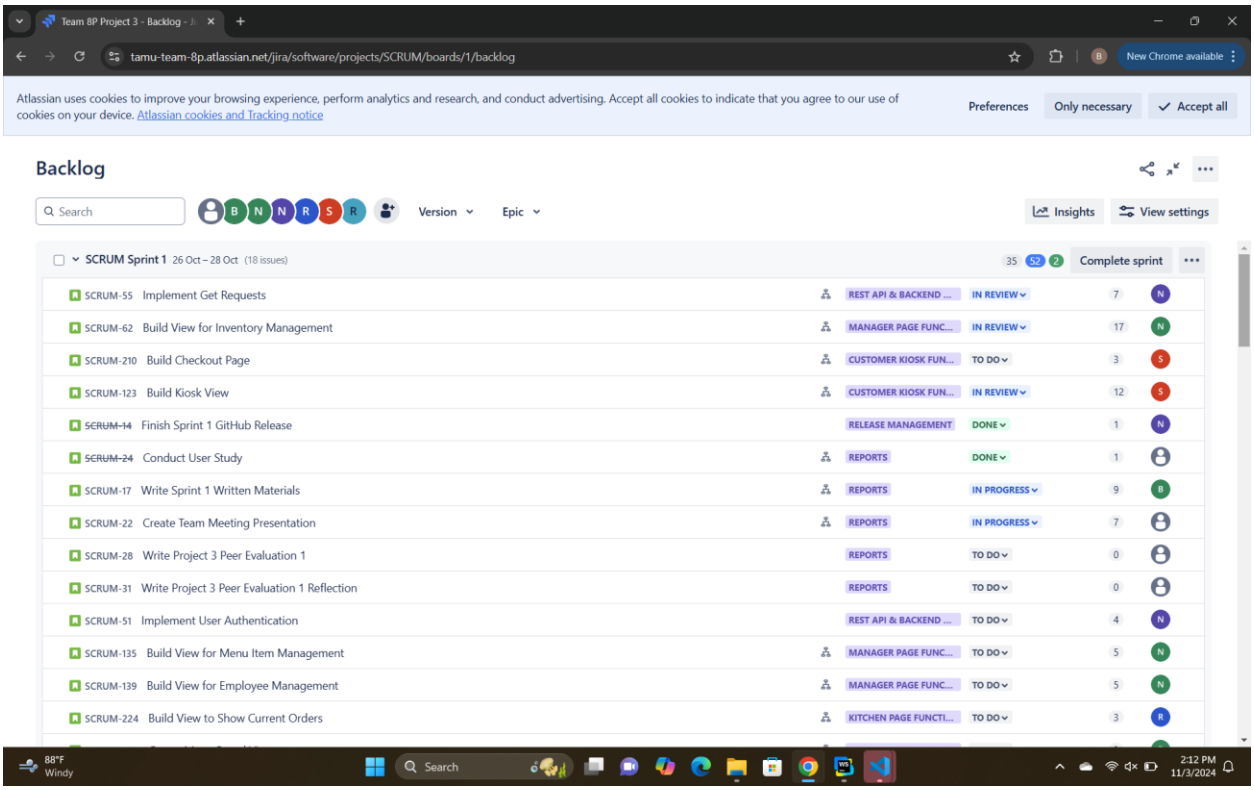
https://github.com/CSCE331-Fall2024/project-3-team-8p/tree/v1.0

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.


Team 8P Project 3 - Backlog
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SCRUM Sprint 1 26 Oct – 28 Oct (18 issues)
Complete sprint
SCRUM-55 Implement Get Requests
SCRUM-62 Build View for Inventory Management
SCRUM-210 Build Checkout Page
SCRUM-123 Build Kiosk View
SCRUM-14 Finish Sprint 1 GitHub Release
SCRUM-24 Conduct User Study
SCRUM-17 Write Sprint 1 Written Materials
SCRUM-22 Create Team Meeting Presentation
SCRUM-28 Write Project 3 Peer Evaluation 1
SCRUM-31 Write Project 3 Peer Evaluation 1 Reflection
SCRUM-51 Implement User Authentication
SCRUM-135 Build View for Menu Item Management
SCRUM-139 Build View for Employee Management
SCRUM-224 Build View to Show Current Orders
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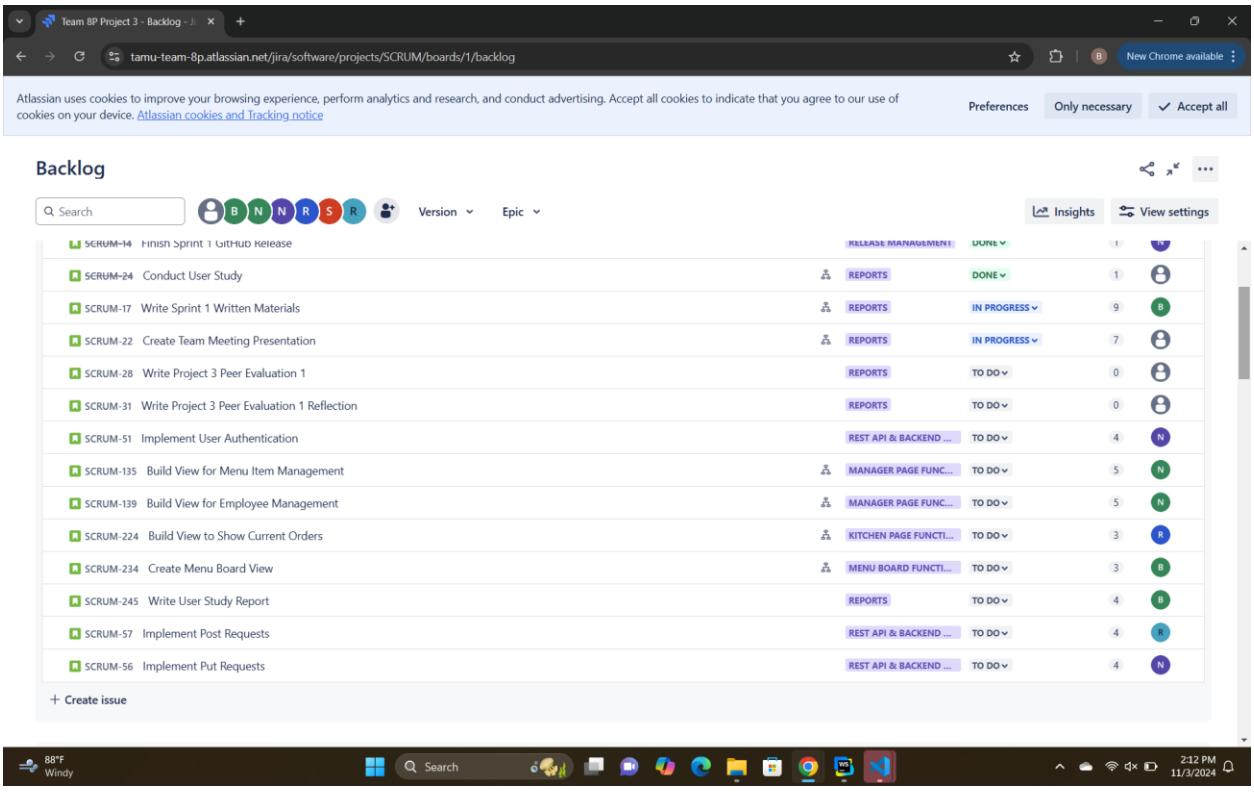
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SCRUM-31 Write Project 3 Peer Evaluation 1 Reflection
SCRUM-51 Implement User Authentication
SCRUM-135 Build View for Menu Item Management
SCRUM-139 Build View for Employee Management
SCRUM-224 Build View to Show Current Orders
SCRUM-234 Create Menu Board View
SCRUM-245 Write User Study Report
SCRUM-57 Implement Post Requests
SCRUM-56 Implement Put Requests
Create issue
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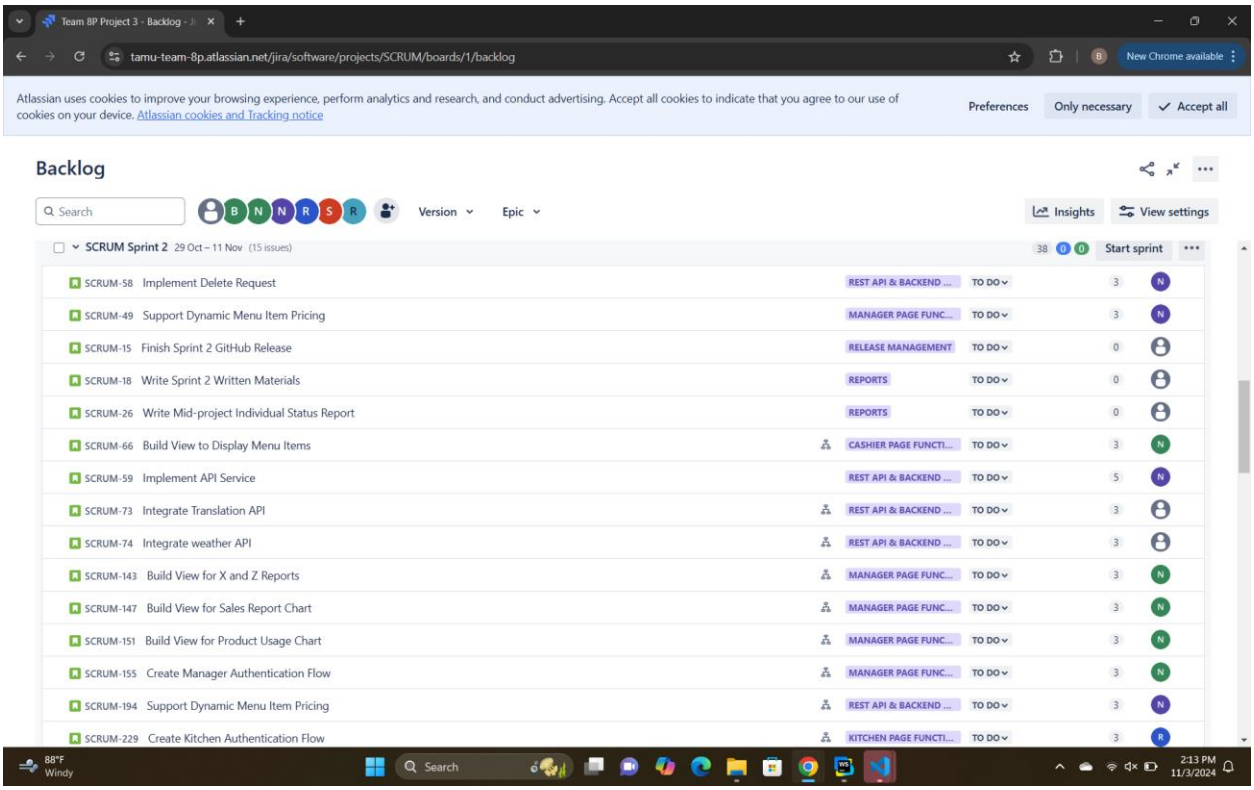
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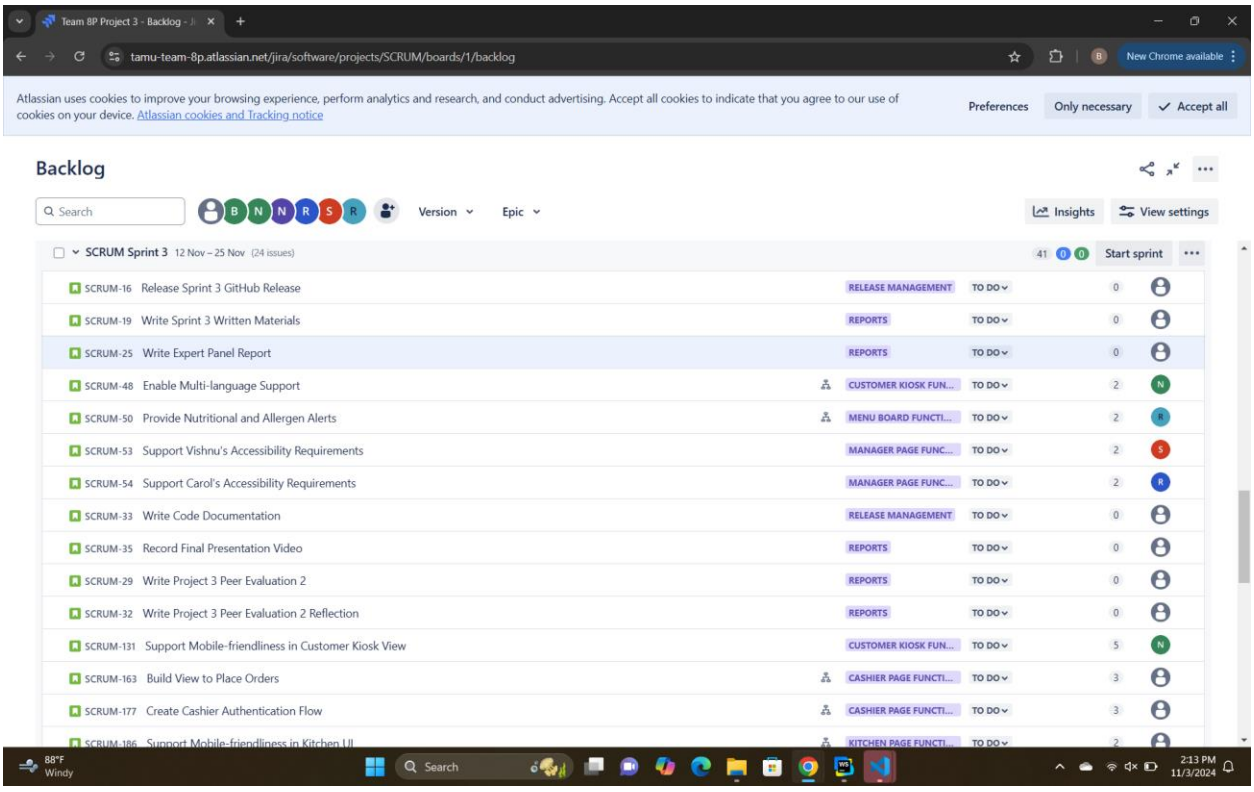
SCRUM Sprint 2 29 Oct – 11 Nov (15 issues)
Start sprint
SCRUM-58 Implement Delete Request
SCRUM-49 Support Dynamic Menu Item Pricing
SCRUM-15 Finish Sprint 2 GitHub Release
SCRUM-18 Write Sprint 2 Written Materials
SCRUM-26 Write Mid-project Individual Status Report
SCRUM-66 Build View to Display Menu Items
SCRUM-59 Implement API Service
SCRUM-73 Integrate Translation API
SCRUM-74 Integrate weather API
SCRUM-143 Build View for X and Z Reports
SCRUM-147 Build View for Sales Report Chart
SCRUM-151 Build View for Product Usage Chart
SCRUM-155 Create Manager Authentication Flow
SCRUM-194 Support Dynamic Menu Item Pricing
SCRUM-229 Create Kitchen Authentication Flow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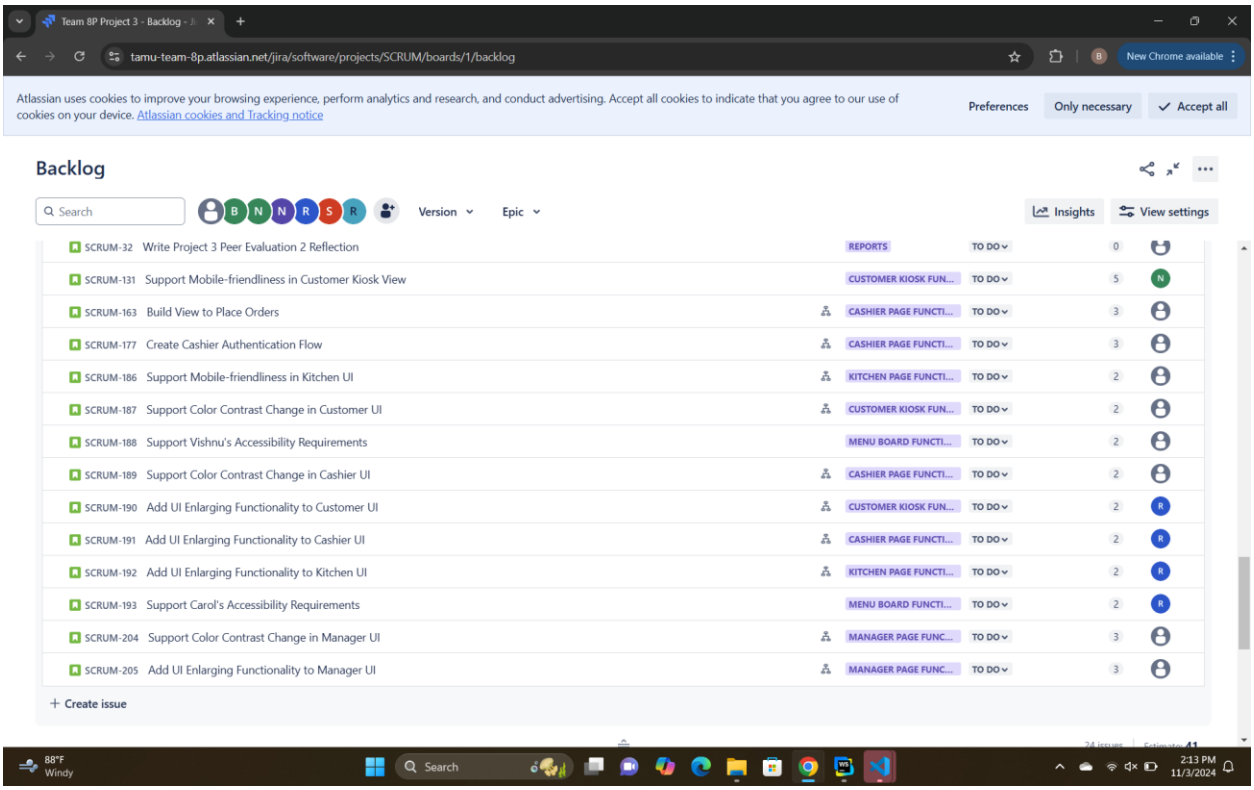
SCRUM Sprint 3 12 Nov – 25 Nov (24 issues)
Start sprint
SCRUM-16 Release Sprint 3 GitHub Release
SCRUM-19 Write Sprint 3 Written Materials
SCRUM-25 Write Expert Panel Report
SCRUM-48 Enable Multi-language Support
SCRUM-50 Provide Nutritional and Allergen Alerts
SCRUM-53 Support Vishnu's Accessibility Requirements
SCRUM-54 Support Carol's Accessibility Requirements
SCRUM-33 Write Code Documentation
SCRUM-35 Record Final Presentation Video
SCRUM-29 Write Project 3 Peer Evaluation 2
SCRUM-32 Write Project 3 Peer Evaluation 2 Reflection
SCRUM-131 Support Mobile-friendliness in Customer Kiosk View
SCRUM-163 Build View to Place Orders
SCRUM-177 Create Cashier Authentication Flow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SCRUM-32 Write Project 3 Peer Evaluation 2 Reflection REPORTS TO DO
SCRUM-131 Support Mobile-friendliness in Customer Kiosk View CUSTOMER KIOSK FUN... TO DO
SCRUM-163 Build View to Place Orders CASHIER PAGE FUNCTI... TO DO
SCRUM-177 Create Cashier Authentication Flow CASHIER PAGE FUNCTI... TO DO
SCRUM-186 Support Mobile-friendliness in Kitchen UI KITCHEN PAGE FUNCTI... TO DO
SCRUM-187 Support Color Contrast Change in Customer UI CUSTOMER KIOSK FUN... TO DO
SCRUM-188 Support Vishnu's Accessibility Requirements MENU BOARD FUNCTI... TO DO
SCRUM-189 Support Color Contrast Change in Cashier UI CASHIER PAGE FUNCTI... TO DO
SCRUM-190 Add UI Enlarging Functionality to Customer UI CUSTOMER KIOSK FUN... TO DO
SCRUM-191 Add UI Enlarging Functionality to Cashier UI CASHIER PAGE FUNCTI... TO DO
SCRUM-192 Add UI Enlarging Functionality to Kitchen UI KITCHEN PAGE FUNCTI... TO DO
SCRUM-193 Support Carol's Accessibility Requirements MENU BOARD FUNCTI... TO DO
SCRUM-204 Support Color Contrast Change in Manager UI MANAGER PAGE FUNC... TO DO
SCRUM-205 Add UI Enlarging Functionality to Manager UI MANAGER PAGE FUNC... TO DO
Create issue
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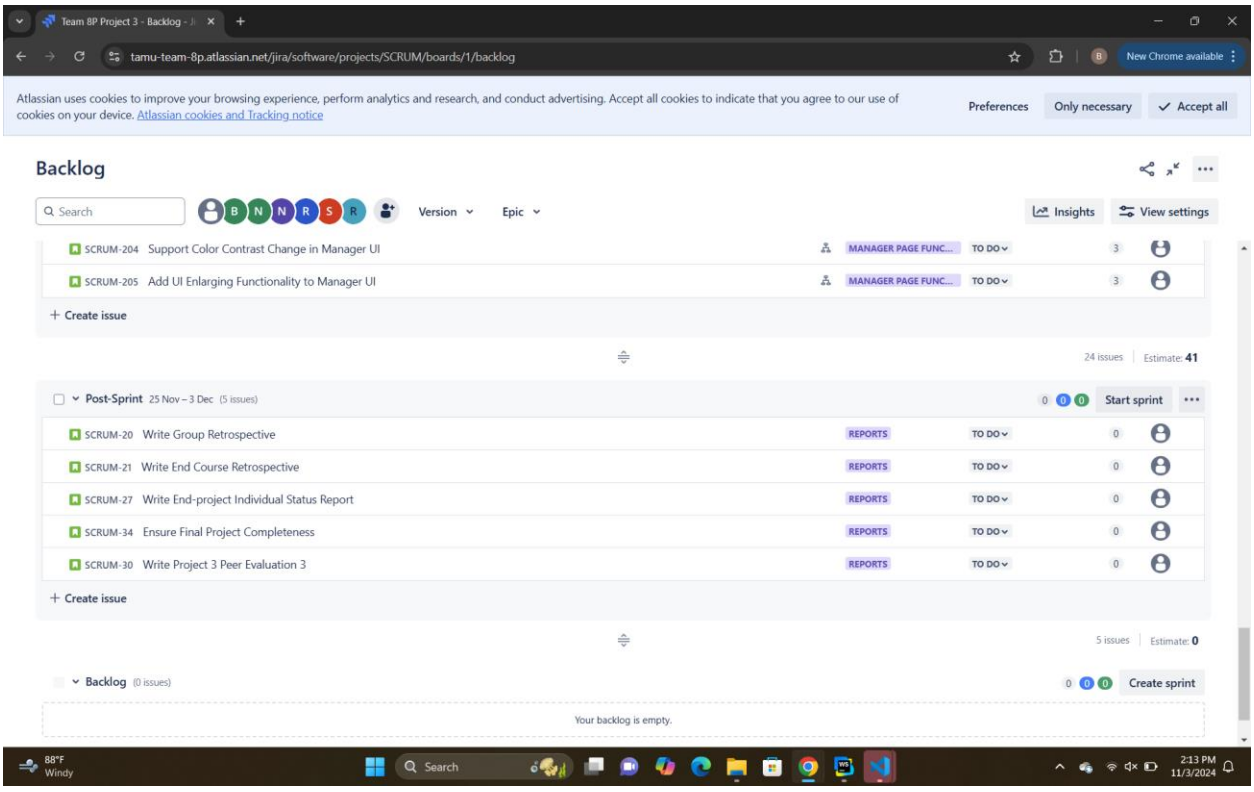
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SCRUM-204 Support Color Contrast Change in Manager UI MANAGER PAGE FUNC... TO DO
SCRUM-205 Add UI Enlarging Functionality to Manager UI MANAGER PAGE FUNC... TO DO
Create issue
24 issues Estimate: 41
Post-Sprint 25 Nov – 3 Dec (5 issues)
Start sprint
SCRUM-20 Write Group Retrospective REPORTS TO DO
SCRUM-21 Write End Course Retrospective REPORTS TO DO
SCRUM-27 Write End-project Individual Status Report REPORTS TO DO
SCRUM-34 Ensure Final Project Completeness REPORTS TO DO
SCRUM-30 Write Project 3 Peer Evaluation 3 REPORTS TO DO
Create issue
5 issues Estimate: 0
Backlog (0 issues)
Create sprint
Your backlog is empty.
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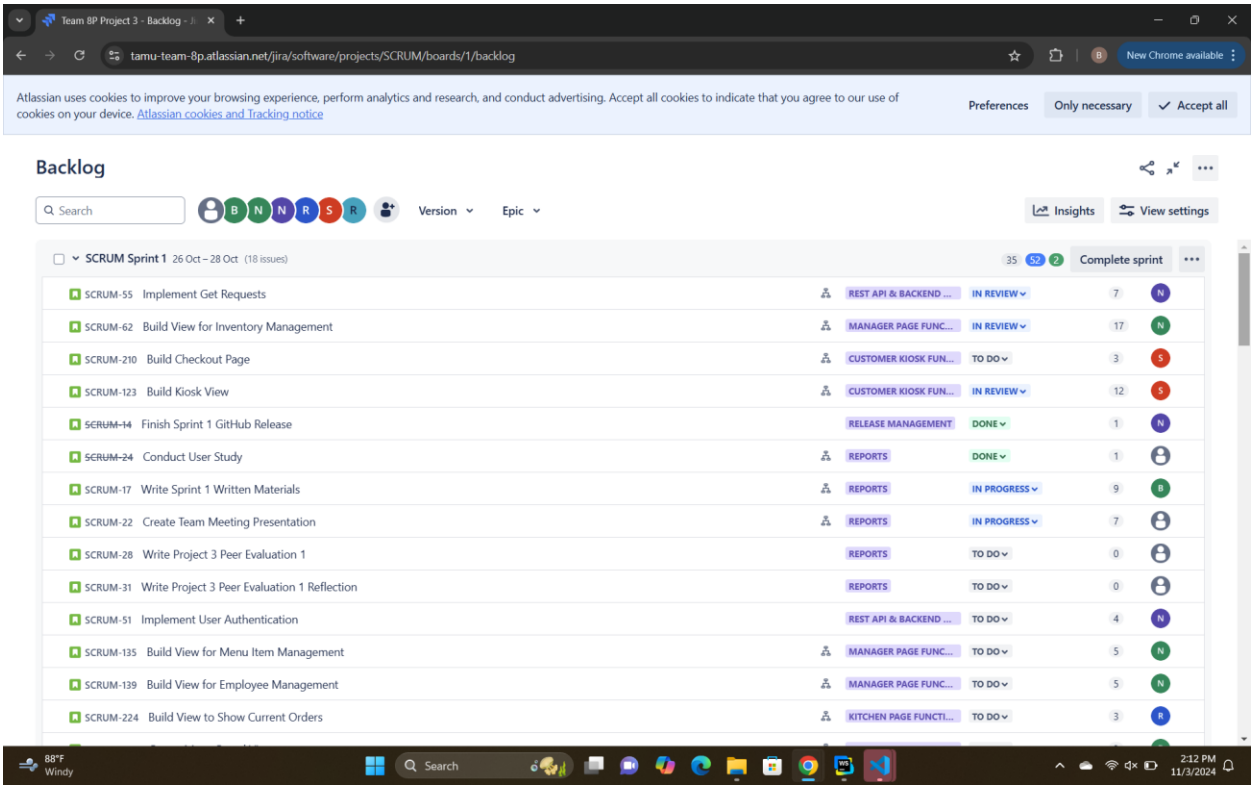
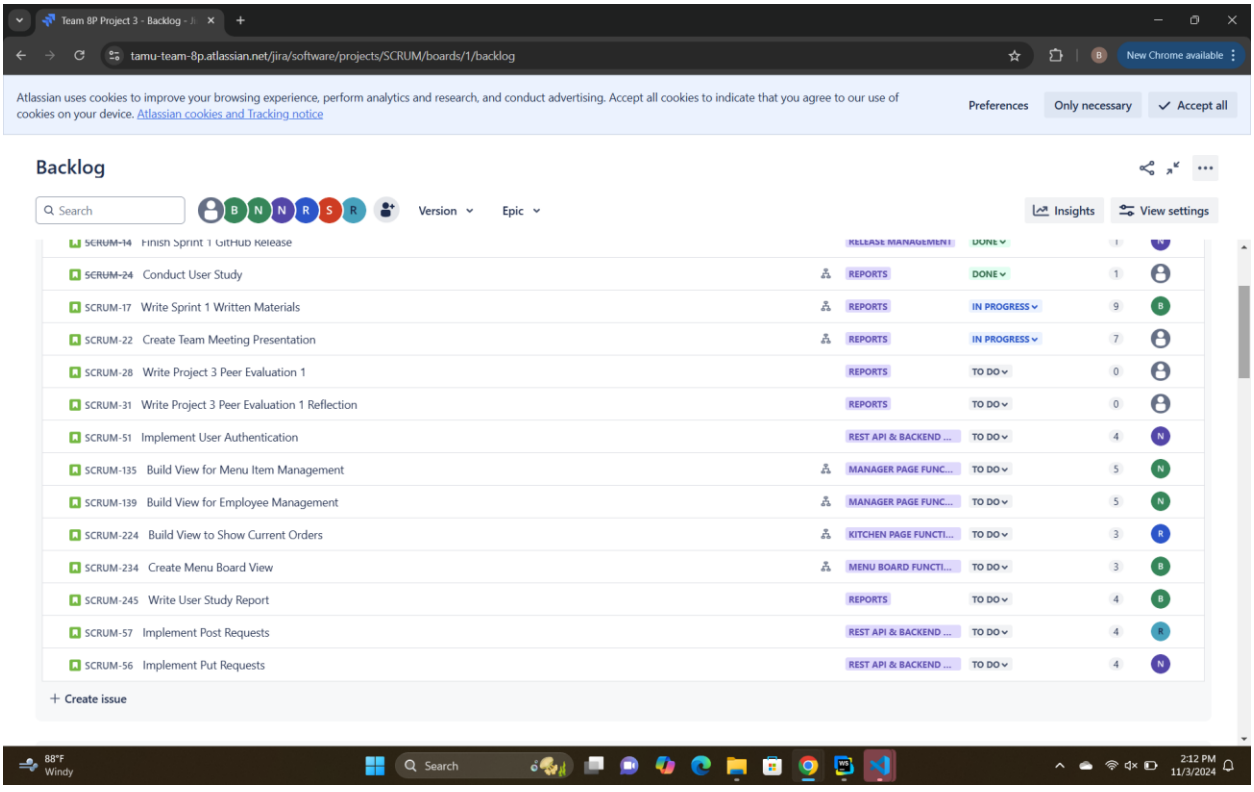
Sprint Backlog

Your sprint backlog is a subset of the product backlog. It includes the list of tasks that were scheduled for the sprint. For each task, it provides:

- user story point value (from the product backlog),
- who assigned to,
- actual time spent, and

- status {not started, in progress, completed}.





It should also contain a **summary table** that shows the total number of completed user story points for each team member. The summary table should have a column for each sprint completed to date. These will be a factor in your individual contribution assessment.

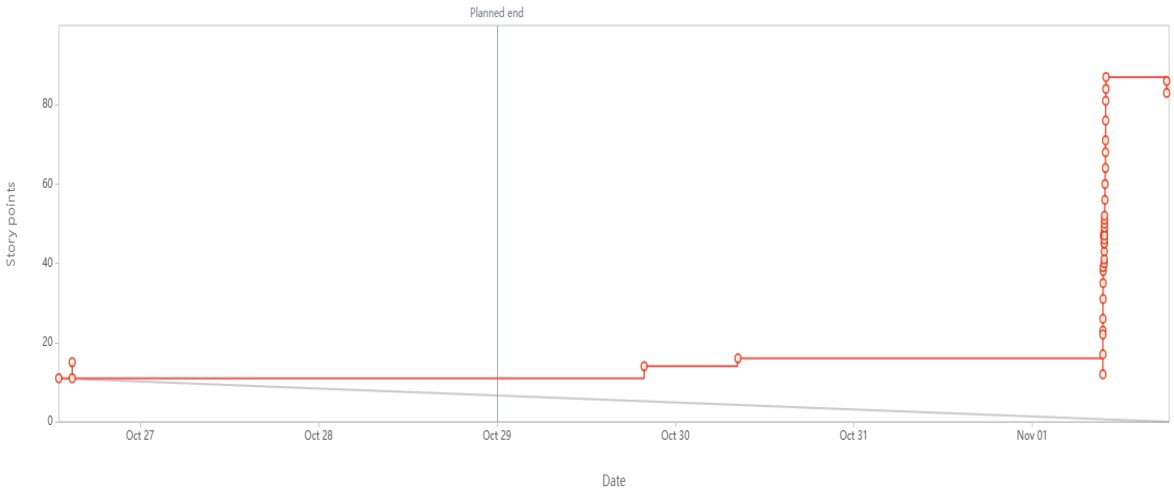
	Sprint 1
Soham Nagawanshi	2
Kevin Zhang	1
Ryan Kha	1
Russell Rivard	1
Shreyan Satheesh	1
Bradley James	1

Burn-down Charts

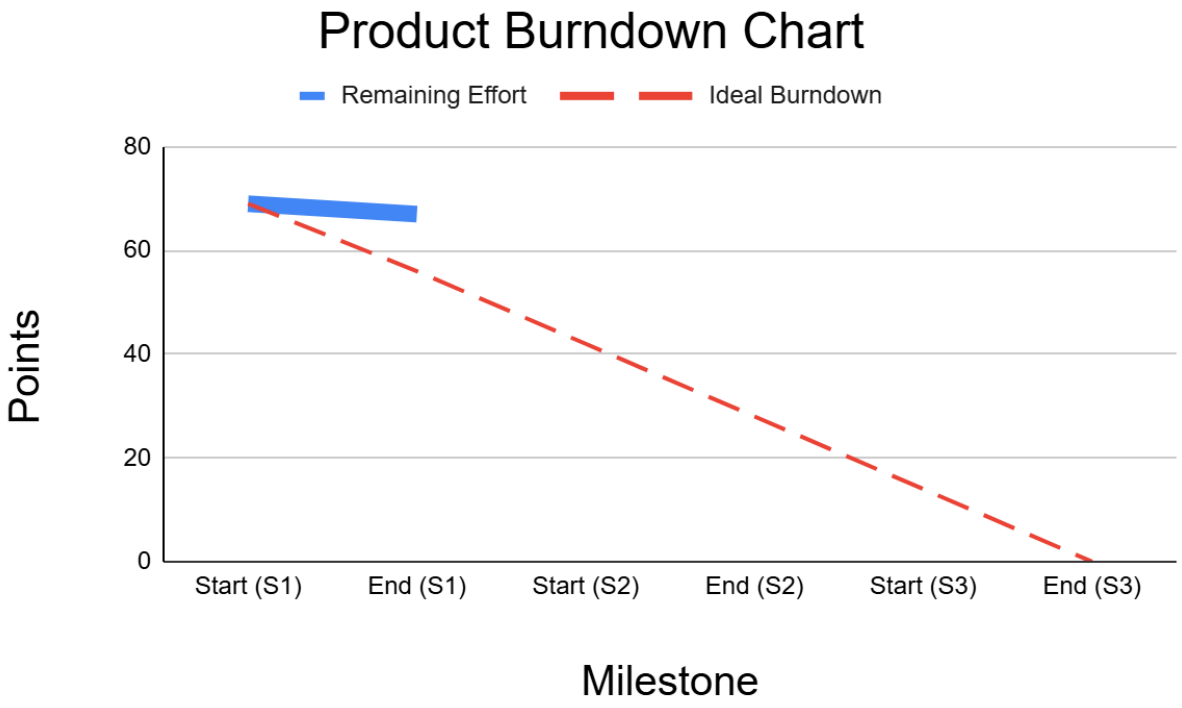
Include two burn-down charts, one for the sprint and one for the product.

- The initial sprint burn-down chart is created from the sprint backlog. It should be updated after each SCRUM meeting based on team member status and feedback. Thus it should contain at least 5 data points (the start of the sprint, 3 SCRUM meetings, and the end of the sprint).
- The product burn-down chart should be updated once during the sprint and again at the end of the sprint. Thus, by the end of the project's 3 sprints, there should be at least 7 data points on the product burn-down chart (the start of each sprint, the middle of each sprint, and the end of each sprint).
-

Sprint burn-down chart



Product burn-down chart



Next Sprint's SCRUM Meeting Schedule

Meeting 1: 11/6/2024

Meeting 2: 11/8/2024

Meeting 3: 11/11/2024

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for 8p

Prepared by: Soham Nagawanshi
Meeting Date: 10/24/2024

Meeting Attendees

1. Soham Nagawanshi
2. Ryan Kha
3. Shreyan Satheesh
4. Kevin Zhang

5. Russell Rivard
6. Bradley James

Meeting Agenda Items

- Progress Report (Scrum)
- Assign Tasks

Status Update Since Last Meeting

Accomplishments:

- LoFi Prototypes for Manager, Cashier UI, and Customer UI are complete

Soham has worked on implementing Get Requests to
Shreyan has finished creating LoFi prototypes
Kevin has finished administrative items
Ryan is working on implementing user stories
Russel can dedicate more time next week
Bradley is revising menu display
Russell has been busy but can work on his tasks soon

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
Implement Get Requests	Soham	No
Administrative Items	Kevin	No
Translate items from previous project to this project	Kevin	No
Implement user stories unanticipated with backlog, along with scheduling and planning section of design and managing template	Ryan	No
Create Kitchen Display interface	Russell	No
Create Menu Boards interface	Bradley	No
Create LoFi prototypes	Shreyan	Yes

Before The Next Meeting

Plans:

- Create UML Diagram
- Finish LoFi prototypes
- Implement Get Requests

Task Assignments:

Task Description	**Assigned to**
Create UML Diagram	Kevin
Finish LoFi prototypes	Shreyan, Bradley, Russel
Implement Get Requests	Ryan, Soham
Complete Administrative Items	Kevin
Translate items from previous project to this project	Kevin
Implement user stories unanticipated with backlog, along with scheduling and planning section of design and managing template	Ryan
Create Kitchen Display interface	Russell
Create Menu Boards interface	Bradley

Minutes from Previous Meeting

N/A (1st meeting)

SCRUM Meeting 2 for 8p

Prepared by: Soham Nagawanshi
Meeting Date: 10/26/2024

Meeting Attendees

7. Soham Nagawanshi
8. Ryan Kha
9. Shreyan Satheesh
10. Kevin Zhang
11. Russell Rivard
12. Bradley James

Meeting Agenda Items

- Status Update
- Discuss the timeline before next meeting

Status Update Since Last Meeting

Accomplishments:

- Russell finished LoFi prototype for Kitchen display
- Soham has worked on implementing Get Requests to
- ∉ Shreyan has finished creating LoFi prototypes
- ∉ Kevin has finished administrative items
- ∉ Ryan is working on implementing user stories
- ∉ Russel can dedicate more time next week
- ∉ Bradley finished LoFi prototype for Menu Boards display, currently revising
- ∉ Russel has been busy but can work on his tasks soon

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
LoFi Prototype (Kitchen display)	Russell	Yes
LoFi Prototypes (Cashier, Customer, Manager)	Shreyan	Yes
Administrative Items	Kevin	Yes

Before The Next Meeting

Plans:

- Implement Get requests

- Finish Management and Design template
- Become familiar with React (for frontend developers)
- Finish remaining LoFi prototypes

Task Assignments:

Task Description	**Assigned to**
Complete Management and Design Template	All
Implement Get Requests	Soham, Ryan
Become familiar with React	Kevin, Shreyan, Bradley, Russell
Finish revising LoFi prototype for Menu Boards	Bradley

Minutes from Previous Meeting

We went around discussing our progress since our initial meeting where we assigned specific roles. Shreyan finished his implementation with the UIs for the manager, cashier, and customer. Ryan was working on the user stories to ensure that we met all the requirements. Bradley made an initial design for the menu display, but after insightful feedback, he decided to revise it to better fit the theme across all frontend designs. Although Russell has been busy, he ensured that he would be able to finish the design for the kitchen display interface. Soham said he is still working on the Rest API, but will most likely get it working by tonight. He is also working on the Executive Summary and Appendices, as well as creating the Burndown chart. Ryan is learning more about Spring Boot and plans to work on the Manager Report and becoming more familiar with Spring Boot, and will split the appendices with Soham. Kevin has finished the administrative items to ensure we all use the same version of npm and WebStorm. He has also completed the stories on Jira, but will be restructuring them, and will work on finishing the React tutorial along with the UML diagram. We then discussed what was our highest priority and what needed to be completed by our next meeting. Russell and Bradley were going to finish the design for the kitchen and menu displays. After they complete their tasks, they will join Shreyan and Kevin in learning more about React.

SCRUM Meeting 3 for 8p

Prepared by: Soham Nagawanshi
Meeting Date: 10/29/2024

Meeting Attendees

13. Soham Nagawanshi
14. Ryan Kha
15. Shreyan Satheesh
16. Kevin Zhang
17. Russell Rivard
18. Bradley James

Meeting Agenda Items

- Status update
- Items to complete by next meeting

Status Update Since Last Meeting

Accomplishments:

- Russell finished kitchen display LoFi prototype
- Kevin and Shreyan have created our Initial MVP
- Ryan has finished implementing the rest of the Get requests
- Kevin has reviewed React, and has finished preliminary MVP for manager UI
- Soham has submitted the Get pull and Get requests and got approval
- Bradley has finished LoFi prototype for Menu Boards

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
LoFi Prototype (Menu Boards display)	Bradley	Yes
LoFi Prototype (Kitchen display)	Russell	Yes
Get Requests	Ryan and Soham	Yes
Initial MVP	Kevin and Shreyan	Yes

Before The Next Meeting

Plans:

- Finish implementing Customer and Manager interfaces
- Create and finish Menu Boards and Kitchen Display interfaces
- Create items on backend to support functions and requests
- Learn React

Task Assignments:

Task Description	**Assigned to**
Finish requests	Ryan and Soham
Create Menu Boards interface	Bradley
Crete Kitchen Display interface	Russell
Write unit tests	Soham
Finish components for Manager UI	Kevin
Finish components for Cashier UI	Shreyan
Learn React	All

Minutes from Previous Meeting

We began by discussing our progress since our previous meeting. As Russell finished working on the kitchen GUI, he will begin his work on the frontend with his newfound knowledge with React. His only roadblock is concerning the connection with the backend and communication with the database. Shreyan has been working on the customer UI and created the landing page for it, and will work to complete it by tonight. His roadblocks include consistent formatting and organization with the rest of the team. Ryan has finished implementing the rest of the Get requests. He will be getting ahead by working on items for Sprint 2. His main roadblock is learning everything needed for the upcoming sprint. Kevin has reviewed React, and has finished the preliminary MVP for manager UI. He plans on finishing the rest of the components for the manager UI, as well as setting up the basic scaffolding with how to connect the manager UI with the backend. His main roadblock is syncing with Shreyan and having a consistent style and format. Soham has submitted the Get pull and get requests and got approval. He is writing tests for these items, as well as implementing put, update, and delete for Ryan to continue his work. His primary focus is setting up an HTTP client in React to allow the frontend developers to call a function to perform tasks on the backend. His main roadblock is he will not be able to learn React until later next week due to a busy schedule, as well as becoming

acquainted with Spring Boot. Bradley has finished the initial lessons on the React tutorial, and began his implementation of the menu boards using React. He hopes to get it done by the end of the sprint, but has a very busy week ahead of him. The primary focus for the group is to implement the manager and customer interfaces as much as possible, with the backend developers to create items to support functions and requests from the frontend.