Sprint 13 Planning

April 20, 2023 - May 4, 2023

CAPACITY

1. Josh: 18
2. Matthew: 20
3. Judy: 15
4. Githel: 20
5. Haley: 20
6. Allison: 18

Total: 111

ASSIGNED WORK

[Work Item] - Granular Task

Team Member	Assigned Work	Hours
Josh	[User Feedback] Frontend	6
Josh	[User Feedback] Testing	4
Josh	[Analytics Dashboard] Backend Implementation	6
Matthew	[Nudging] Backend Implementation	19
Matthew	[Account Recovery] Frontend	1
Judy	[Bulletin Board] Implement business rules	5
Judy	[Bulletin Board] frontend and backend testing	5
Githel	[Chore List] Frontend Implementation	4
Githel	[Chore List] Testing	4

Githel	[Analytics Dashboard] Frontend Implementation	6
Haley	[Reminders] Backend implementation	9
Haley	[Reminders] Testing	5
Haley	[Analytics Dashboard]- Frontend	5
Haley	[Analytics Dashboard]- Wireframe	1
Allison	[Circular Progress Bar] - Testing	5
Allison	Deploying code to AWS	3
Allison	[Archiving] - Setup resources in AWS Account	2
Allison	[Calendar] - Editing events	2
Allison	[Calendar] - Deleting events	2
Allison	[Calendar] - Testing	4

TASK BREAKDOWN

Josh

Work item	Task	Estimation	Team Confirmation
[User Feedback] Frontend Implementation	API Endpoints	2	AA HN
	Model Implementation	1	

Work item	Task	Estimation	Team Confirmation
	View Implementation	2	
[User Feedback] Testing	Backend Unit Testing	1	
	Frontend End-to-End Testing (NightwatchJS)	1	
[Analytics Dashboard] Backend Implementation	DAO - API Calls	2	AA
	Design New Table in Database	1	
	Implement Backend Model - Feedback Form Object	1	
	Implement Service Class - Handling Feedback Submission	2	
[Analytics Dashboard] Testing	Implement Backend Unit Testing	1	AA HN
	Implement Frontend End-to-End Testing (NightwatchJS)	1	
Total		16	

Decision Piece: My capacity for this sprint is estimated at 18 hours, 10% less than my last sprint's capacity to account for finals. My task breakdown estimation is set at 16 hours, so with my remaining capacity I plan to help with any backlogged tasks or any other implementation for the remaining features in this last sprint, such as Account Recovery and Archiving, or deploying our code to AWS.

Matthew

Work item	Task	Estimation	Team Confirmation
[Nudging] Backend Implementation	- Frontend testing to ensure backend compatibility	1	AA HN
	- Backend implementation	7	
	- Models, Services, DAO - Controller	7	

	- Unit Test implementation	2	
	- Logging Implementation	2	
[Account Recovery] Frontend Implementation	UI component implementation	1	AA HN
	Total	20	

Decision Piece: My capacity for this spring is 20 hours to mainly dedicated to implementing the Nudging feature for code review. Account recovery frontend implementation should not take long since it is quite simple so it is only at one hour.

Judy

Work item	Task	Estimation	Team Confirmation
[Bulletin Board] Implementation	API Implementation - Add text - Update text - Delete text	5	HN JQ GS AA MC
	Backend Implementation - Controller - Manager - Service - DAO	5	HN JQ GS AA MC
	Files functionality - Add files (S3) - Delete files (S3)	5	HN JQ GS AA MC
[Bulletin Board] Testing	Backend Tests - Unit - Integration	2	HN JQ GS AA MC
	Frontend Tests (e2e)	2	HN JQ GS AA MC
	Total	19	

Decision Piece: I wasn't able to complete Bulletin Board Implementation and testing in the last sprint so I will roll it over to this sprint.

Githel

Work item	Task	Estimation	Team Confirmation
[Chore List] Frontend Implementation	Implement adding, editing, deleting chore frontend with new UserChore database table design - Modal components	1	AA
	Implement weekly fetch depending on current date with new UserChore database table design - ToDoWeek component	2	AA
	Write frontend Web API endpoints - /AddChore - /EditChore - /DeleteChore - /FetchWeeklyToDo	1	AA
[Chore List] Testing	Implement Backend Unit Testing	1	AA
	Implement Backend Integration Testing	1	AA
	Implement Frontend End-to-End Testing (NightwatchJS)	2	AA
[Analytics Dashboard] Frontend Implementation	Implement Web API AnalyticsController.cs - Implement DTO KPIForm.cs - Endpoints per KPI	1	AA
	Implement frontend authorization verification - Fetch isAdmin for AuthContext.js from Web API	1	AA

	Implement Analytics page - D3 Chart components - Time frame and KPI selection components	4	AA
	Total	14	

Decision Piece: Since [Chore List] is my Code Review Feature I am continuing its frontend implementation after redesigning the backend and database tables for this feature. Furthermore, I am creating backend and frontend tests for my feature.

Haley

Work item	Task	Estimation	Team Confirmation
[Reminders] Backend implementation	Implement logging for success and failure email sending	3	AA
	Implement manager layers to connect to Notification Service - Budget Bar connection	2	AA
	Implement manager layers to connect to Notification Service - Choreslist connection	2	AA
	Implement manager layers to connect to Notification Service - Bulletin Board connection	2	AA
	Implement manager layers to connect to Notification Service - Calendar connection	2	AA
[Reminders] Testing	Research use cases to test for reminders	1	AA

	Implement integration testing	3	AA
[Dashboard Analytics] Frontend	Create html structure	2	AA
	Stylize with CSS	2	AA
[Dashboard Analytics] Wireframe	Refer to BRD for requirements Map out flows Gather feedback from team Implement suggestions	1	AA
Total		20	

Decision Piece: I have allocated more time for the end of the semester to this class specifically, despite finals. And because [Reminders] is my feature I am code reviewing for, my capacity increase reflects that reasoning.

Allison

Work item	Task	Estimation	Team Confirmation
[Calendar] Editing events	Update add event modal to include editing functionality	1	
	Add controller, manager, service methods for updating event fields	2	
	Add DAO method for updating event	1	
[Calendar] Deleting events	Create frontend method for "Delete Event" button in edit event view	1	
	Add controller, manager, service methods for deleting event	2	

	Add DAO method for deleting event from MariaDB	1	
[Calendar] Integration Tests	Create MSTest project, write test methods that address all BRD requirements	1	
[Calendar] Frontend Tests	Create file for E2E tests in e2e/ Write nightwatch commands for browser from registration, logging in, creating group, navigating and interacting with calendar feature Assert that all components of the feature render properly	2	
[Calendar] Unit Tests	Create file in test project, write tests for input validation and initial requirements	1	
[Archiving]	Create Glacier vault, IAM policies, write Lambda function to offload old Logs from MariaDB EC2 to S3	4	
Total		16	

Decision Piece: Since [Calendar] is a major feature that is not purely backend/server related, this feature will take priority over [Archiving]. However, writing tests for this feature are not as urgent as deploying our app to AWS, so that task must be completed first, and tests for [Calendar] will be offloaded to Githel if the web hosting task is underestimated.