

# Sprint 9 Planning

February 16, 2023 - February 28, 2023

## CAPACITY

1. Josh: 14 Hours
2. Matthew: 12 Hours
3. Judy: 12 Hours
4. Githel: 16 Hours
5. Haley: 12 Hours
6. Allison: 18 Hour

**Total: 84 Hours**

## ASSIGNED WORK

### [Work Item] - Granular Task

Team Member	Assigned Work	Hours
Josh	[Account Settings] Frontend Implementation	6
Josh	[App Settings] Wireframing	3
Josh	[App Settings] LLD/Sequence Diagrams	3
Josh	[BRD] Revisions - App Specific Features	2
Matthew	[Bulletin Board] Frontend Design	8
Mathew	[Bulletin Board] Frontend Implementation	4
Judy	[Bulletin Board] Design	10
Judy	[Bulletin Board] Implementation	6

Judy	[Budget Bar] Implementation	6
Githel	[Logout] Front end Styling	2
Githel	[Updating Profile] Integration Tests	3
Githel	[Creating Groups] Frontend	6
Githel	[Creating Groups] Success LLD	2
Haley	[Updating Profile] Unit Tests	3
Haley	[Creating Groups] LLD	3
Haley	[Creating Groups] Frontend	2
Haley	[Wireframes] Bulletin Board, Group Settings, App Settings.	2
Allison	[App Settings] Backend/API	3
Allison	[Creating Groups] Backend, API	4
Allison	[Deleting Groups] Backend, API	4
Allison	[Budget Bar] Integration Tests	1
Allison	[Budget Bar] Unit Tests	2

## TASK BREAKDOWN

### Josh

Work item	Task	Estimation	Team Confirmation
[Account Settings] Frontend Implementation	API Endpoints	1.5	AA HN MC JL GS
	Model	1.5	AA HN MC JL GS
	View	1.5	AA HN MC JL

			GS
	Controller	1.5	AA HN MC JL GS
[App Settings] Figma Wireframing	Flow Diagrams	3	AA HN MC JL GS
[App Settings] Low Level Design	Review BRD Requirements Failure/Success	1	AA HN MC JL GS
	Map out lifelines, classes, and input/output	1	AA HN MC JL GS
	Code MermaidJS Diagram	1	AA HN MC JL GS
[BRD] Revisions	Content Improvements <ul style="list-style-type: none"> <li>- Added 'Group Management' Section</li> <li>- Failure Handling</li> </ul>	2	AA HN MC JL GS
<b>Total</b>		14	

Last sprint, [BRD] Revisions were not accounted for as a work item, as we had anticipated the BRD to be approved after our last submission, and as a result, [BRD] Revisions cut into my capacity for the last sprint and [Account Settings] Frontend Implementation has been rolled over to this sprint.

## Matthew

Work item	Task	Estimation	Team Confirmation
[Bulletin Board] Frontend Design	Research	2	AA JQ HN JL GS
	Design	5	AA JQ HN JL GS
	Debugging	1	AA JQ HN JL GS
[Bulletin Board] Frontend Implementation	Front End	4	AA JQ HN JL GS
<b>Total</b>		12	

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[Bulletin Board] Design is estimated for 8 hours because it also includes research. Upon initial research I realized the complexity of this feature and my lack of knowledge on how to properly complete this task. If my capacity is overestimated, [Bulletin Board] Implementation will be moved over to next sprint.

## Judy

Work item	Task	Estimation	Team Confirmation
[Budget Bar] Implementation	Frontend	3	AA JQ HN MC GS
	Backend	3	AA JQ HN MC GS
[Bulletin Board] Design Planning	Research	4	AA JQ HN MC GS
	Success Sequence Diagram	4	AA JQ HN MC GS
	Failure Sequence Diagrams	2	AA JQ HN MC GS
[Budget Bar] Implementation	Client	1	AA JQ HN MC GS
	Business Logic	3	AA JQ HN MC GS
	Data access object	1	AA JQ HN MC GS
	Logging	1	AA JQ HN MC GS
Total		22	

Designing and implementing the budget bar feature were estimated for 5 and 7 hours. However, I didn't account for my lack of experience in using new technologies. The estimated time of 12 hours was exceeded and Budget Bar Implementation will be continued in Sprint 9.

Bulletin board Implementation and Success LLD is estimated at 10 hours and 6 hours, respectively. If 16 hour capacity is overestimated, remaining bulletin board work will be pushed to the next sprint.

## Githel

Work item	Task	Estimation	Team Confirmation
[Logout] Frontend Styling	Implementation	1	AA HN MC JL JQ
	Testing	1	AA HN MC JL JQ
[Updating Profile] Integration Tests	Research possible test cases involving database access and feature itself	1	AA HN MC JL JQ
	Implement test function	1	AA HN MC JL JQ
	Debugging	1	AA HN MC JL JQ
[Creating Groups] Frontend	Implement frontend elements and styling	2	AA HN MC JL JQ
	Implement web API controllers for Add Group Member and Remove Group Member	2	AA HN MC JL JQ
	Implement Group Settings page with functionality	2	AA HN MC JL JQ
[Creating Groups] Success LLD	Research and apply cases	1	AA HN MC JL JQ
	Create activations and user flows in diagram	1	AA HN MC JL JQ
<b>Total</b>		16	

Creating Groups Implementation and Success LLD is estimated at 6 hours and 2 hours, respectively. If 16 hour capacity is overestimated, Creating Groups will be pushed to the next sprint.

## Haley

Work item	Task	Estimation	Team Confirmation
[Updating Profile]	Research possible test cases	1	AA MC JL JQ GS
	Implementation	1	AA MC JL JQ GS
	Debugging	1	AA MC JL JQ GS
[Creating Groups] Failure LLD	Research cases	2	AA MC JL JQ GS
	Create sequence diagram	1	AA MC JL JQ GS
[Creating Groups] Frontend	Implement frontend elements and styling	2	AA MC JL JQ GS
[Wireframes] Bulletin Board, App Settings, Group Settings	Design out screens with accurate flows	2	AA MC JL JQ GS
<b>Total</b>		10	

Creating Groups Implementation and Failure LLD is both estimated for 3 hours each. If 10 hour capacity is overestimated, Creating Groups frontend will be pushed to the next sprint.

## Allison

Work item	Task	Estimation	Team Confirmation
[App Settings] Backend/API	Update database layer with necessary columns <ul style="list-style-type: none"> <li>- Notifications in Users table ?</li> </ul> Create endpoint in manager layer <ul style="list-style-type: none"> <li>- Write methods that will be handled by manager               <ul style="list-style-type: none"> <li>- updateNotificationSettings()</li> </ul> </li> <li>- Create DAO function, write query</li> </ul> Return result, handle result in frontend	5	HN MC JL JQ GS

[Creating Groups] Backend, API	<p>Update database layer with necessary columns</p> <ul style="list-style-type: none"> <li>- Add UserGroups table to map groups to users</li> </ul> <p>Create endpoint in manager layer</p> <ul style="list-style-type: none"> <li>- Create WebAPI Model for group form</li> <li>- Create modal for group creation</li> <li>- Write methods that will be handled by manager               <ul style="list-style-type: none"> <li>- createGroup(group)</li> </ul> </li> <li>- Create DAO function, write queries</li> </ul> <p>Return result, handle result in frontend</p>	4	HN MC JL JQ GS
[Deleting Groups] Backend, API	<p>Create endpoint in manager layer</p> <ul style="list-style-type: none"> <li>- Write methods that will be handled by manager               <ul style="list-style-type: none"> <li>- deleteGroup(group)</li> </ul> </li> <li>- Create DAO function, write queries</li> </ul> <p>Return result, handle result in frontend</p>	4	HN MC JL JQ GS
[Budget Bar] Integration Tests	<p>Identify test cases</p> <ul style="list-style-type: none"> <li>- Review BRD requirements</li> <li>- Create test project</li> <li>- Write test methods to test backend requests</li> </ul>	1	HN MC JL JQ GS
[Budget Bar] Unit Tests	<p>Identify test cases</p> <ul style="list-style-type: none"> <li>- Review BRD requirements</li> <li>- Create test project</li> <li>- Write test methods to test frontend components/input validation</li> </ul>	2	HN MC JL JQ GS
<b>Total</b>		<b>18</b>	

Total hours estimated after breakdown is 16. Since the total capacity for this sprint is 18, I will use the remaining hours helping Josh with App Settings design/frontend styling. However, since

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Creating/Deleting groups is overdue in the Project Plan, implementation of these will be prioritized this sprint. Budget Bar testing will be pushed to the next sprint if capacity is reached/exceeded, as it is currently blocked until Judy finishes implementation.