

# DevMatch

## Team 17 Sprint 2 Planning Document

*Brian Qi, Roberto Healy, Aditya Menon, Ling-jet Chee, Jeff Chen, Auden Huang*

### Sprint Overview

For this sprint, we hope to expand the features of our application. We want to develop a basic messaging system that'll allow the users to communicate with each other. We also want to set up some more UIs and their backend functionalities for some project management tools.

**Scrum Master:** Auden Huang

**Meeting Plan:** Tuesday/Thursday 6 PM

**Frontend:** Auden Huang, Ling-jet Chee, Roberto Healy

**Backend:** Aditya Menon, Brian Qi, Jeff Chen

**Risks and Challenges:** Some particularly challenging aspects of our project in this sprint will be being able to store and retrieve the data for the text editor including the files that the user makes with it from the database. In addition to that, catching up on the missing features from the last sprint while not falling too behind on our user stories will be challenging. Moreover, the user stories in this sprint besides those carried on from the previous sprint will be more challenging since we've finished making the basic framework and need to start moving into implementing the more advanced features for our application, which means those tasks will take more time to accomplish. Furthermore, we planned to complete all the user stories at the end of this sprint. With the experience we gained from the last sprint, we've found out we need to assign people and time for the integration of the backend with the frontend since that was what took the most time in our last sprint; hence, we allocated more time in the tasks that involve linking frontend and backend together.

# Current Sprint Detail

## User Story #1

As a project owner and user, I want to be able to log in and log out of my account.  
(login was implemented in sprint 1 without the backend function for displaying a warning when the login credential is incorrect)

#	Description	Estimated Time	Assigned To
1	Added a logout button on the navigation bars	1 Hr	Roberto Healy
2	Added backend functionality for the logout button	2 Hrs	Roberto Healy
3	Integrate backend credential checking with login UI which will display a warning when user types in an invalid login credential (missing from sprint 1 for log in)	2 Hrs	Roberto Healy
4	Create tests to make sure that the logout functionality is working correctly	1 Hr	Roberto Healy

### Acceptance Criteria:

- Given that the UI is implemented correctly, after the user logs in to their account and clicks on to their profile picture on the navigation bar, the user should see a logout option on the drop-down list.
- Given that the backend functionality for the logout button is implemented correctly, the user should be able to logout of their account by tapping the logout button
- Given that the backend functionality for the login is implemented correctly, when the user key in an invalid login credential, the login UI will display a warning

## User Story #2

As a user, I want to be able to go between different chats with potential teammates or project owners

#	Description	Estimated Time	Assigned To
1	Updated the DM UI to include a sidebar that allow the user to switch between the chat	1 Hr	Auden Huang
2	Updated the DM UI to include a search bar	1 Hr	Auden Huang
3	Implementing the backend functionality for direct message (Missing from sprint 1)	4 Hrs	Auden Huang
4	Implementing the backend functionality for display and switching chats	5 Hrs	Auden Huang
5	Implementing the backend functionality for the search bar	3 Hrs	Auden Huang
6	Do some testing to make sure the backend functionalities functioned correctly	3 Hrs	Roberto Healy

### Acceptance Criteria:

- Given that the UI is implemented correctly, when the user is at their DMs view, they can see a list of their chats on the side of their message window.
- Given that the backend functionalities are implemented correctly when the user key in a name in the search bar and press enter if a user with the same name exists, that user should show up in the user's search result.
- Given that the backend functionalities are implemented correctly when the user clicks on another chat on the sidebar, the message window should switch to displaying the selected chat

## User Story #3

As a user, I want to have a text editor that I can use to drop down notes

#	Description	Estimated Time	Assigned To
1	Create a UI for documents and linked it to the account space	2 Hrs	Auden Huang
2	Create a UI for text editor	5 Hrs	Auden Huang
3	Added backend functionalities for both the documents UI and text editor UI	8 Hrs	Auden Huang
4	Do some testing to make sure that the backend functionalities function correctly	4 Hrs	Roberto Healy

### Acceptance Criteria:

- Given that the UI for documents is implemented and linked correctly, when the user is in their profile, the user should see a document's tag on the sidebar.
- Given that the UI for documents is implemented and linked correctly, after the user clicks the documents tag on the sidebar, the user should be redirected to the documents UI and see a new document button.
- Given that the UI for documents is implemented correctly, after the user clicks the new document button, it'll redirect the user to the text editor UI.
- Given that the UI for the text editor is implemented correctly, the user can style their input (alignment, bold, italic, etc)
- Given that the backend functionalities for the document UI and text editor UI are implemented correctly, the user should be able to save their documents.
- Given that the backend functionalities for the document UI and text editor UI are implemented correctly, when the user is in the documents space, they should see all the documents they've created.

## User Story #4

As a user, I want to be able to deactivate my account

#	Description	Estimated Time	Assigned To
1	Update the safety question UI so that instead of just asking a question and a confirm button, the user will need to type in their name to verify they want to deactivate their account	1 Hrs	Roberto Healy
3	Create API that eliminates account and eliminates and updates projects the user is included in when removed	6 Hrs	Brian Qi
4	Integrated the backend with the UI	2 Hrs	Jeff Chen
5	Do some testing to make sure that the API functions correctly	2 Hrs	Brian Qi

### Acceptance Criteria:

- Given that the UI is updated correctly, when the user clicks on the deactivate button and the safety question shows up, the user should see a text field for them to fill in their name for confirmation instead of just clicking onto the confirm button.
- Given that the UI is updated and integrated with the backend correctly, when the user fills in the wrong name in the text field for the deactivation warning and clicks on the confirm button, the account shouldn't be deleted, and there should be a warning telling them that they filled in the wrong name.
- Given that the API is implemented and integrated with the UI correctly, after the user deactivated their account, their information should be removed and all relevant UI should be updated (this includes removing the user from all the UI for the projects the user joined)
- Given that the API is implemented and integrated with the UI correctly, after the user deactivated their account, if the user is the project owner of some projects, the project ownership will be transferred to one of the members.

## User Story #5

As a user, I want to be able to specify the type of project I'm posting. Either it is for my research, one of my modules, or just for fun.

#	Description	Estimated Time	Assigned To
1	Update the project API to allow a user to store the type of the project	1 Hr	Roberto Healy
2	Update the project creation UI to allow a user to specify the type for their project	1 Hr	Ling-jet Chee
3	Update the project space UI to display the type of the project	1 Hr	Ling-jet Chee
4	Update the project feed UI to display the type of the project	1 Hr	Ling-jet Chee
5	Do some testing to make sure that the API stores the correct data to the database	1 Hr	Jeff Chen

### Acceptance Criteria:

- Given that the project creation UI is updated correctly, when the user tries to create a project with the project creation form, the user should be able to specify the type of their project.
- Given that the project space UI and the API are updated correctly, after the user creates a project, the project overview page in the project space will display the project type.
- Given that the project feed UI and the API are updated correctly, after the user creates a project, the project preview for the project on the project feed will display the project type.

## User Story #6

As a project owner, I want to be able to set the project's milestones

#	Description	Estimated Time	Assigned To
1	Add an add milestone button in the project space	1 Hrs	Ling-jet Chee
2	Make a milestone creation UI	2 Hrs	Ling-jet Chee
3	Added user restriction to all the functionalities that are restricted to project owner in the project space (missing from sprint 1)	3 Hrs	Aditya Menon
4	Create a milestone API for storing milestones to the database	2 Hrs	Aditya Menon
5.	Integrate the API with the frontend	2 Hrs	Ling-jet Chee
6.	Do some testing to make sure that the API correctly stores milestones onto the database	2 Hrs	Aditya Menon

### Acceptance Criteria:

- Given that the UI is implemented correctly, when the project owner clicks on the add milestones button, the project owner should be redirected to a milestone creation form.
- Given that the UI is implemented correctly, when the user is in the milestone creation form, the user should see some text fields for the milestone info and a button for creating the milestone.
- Given that the user restriction is implemented correctly, when the user who is just a regular member of the project enters the project space, the user won't see the button for adding milestones

## User Story #7

As a user in a project, I want to be able to keep track of the project's milestones.

#	Description	Estimated Time	Assigned To
1	Create a tracking UI for tracking milestones and link it to the project space	3 Hrs	Ling-jet Chee
2	Update the milestone API for retrieving milestones	1 Hrs	Aditya Menon
3	Integrated milestone API with milestones display UI	2 Hrs	Ling-jet Chee
3	Do some testing to make sure that the API correctly retrieve the milestones	2 Hrs	Aditya Menon

### Acceptance Criteria:

- Given that the UI is implemented and connected to the project space correctly, when the user is in a project space, the user should see the milestones tab on the project space's sidebar.
- Given that the UI is implemented and connected to the project space correctly, when the user clicks on the milestones tab, they should be redirected to the milestones page.
- Given that the API is implemented and integrated to the UI correctly, when the user enters the milestone page in a project space, they should be able to see the milestones that the owner of the project created



## User Story #8

As a project owner, I want to be able to invite other users to join my project.

(This is the user story 6 from the last sprint, which was completely missing)

#	Description	Estimated Time	Assigned To
1	Create a users preview (explore) UI and linked it to the project space (this is different from the feed we have for the main page, this will be in the project space)	2 Hrs	Roberto Healy
2	UI uses the send message API with a predetermined link that invites people to view the project	3 Hrs	Roberto Healy
3	Integrate the message API and getUser API with the UI	2 Hrs	Roberto Healy
4	Do some testing to make sure message is sent correctly	2 Hrs	Roberto Healy

### Acceptance Criteria:

- Given that the UI is implemented and linked to the project space correctly, when the project owner is in the project space, they should see an explore tab.
- Given that the UI is implemented and linked to the project space correctly, after the project owner clicks the explore tab, the project owner should be redirected to the explore UI
- Given getUser API is integrated with the UI correctly, when the project owner is at the explore page, the project owner should see a list of users with an invite button.
- Given that the message API is implemented and integrated with the UI correctly, when the project owner clicks the invite button, the invitation to the project should be sent to the targeted user.

## User Story #9

As a project owner, I want to be able to change the project name that'll be displayed on the dashboard of all members

#	Description	Estimated Time	Assigned To
1	Updated the Project Overview UI so that the project name can be edited	1 Hr	Ling-jet Chee
2	Create an Update API for updating project information	3 Hrs	Brian Qi
3	Updated the Project Overview UI so that the members' and owner's name will be display instead of their ID (missing from sprint 1)	1 Hr	Roberto Healy
4	Integrated the API with the UI	2 Hrs	Ling-jet Chee
5	Do some testing to make sure that the API functions correctly	1 Hrs	Brian Qi

### Acceptance Criteria:

- Given that the UI is implemented correctly, when the project owner enters the edit mode of the project, there should be a text field for the project owner to assign a new name to the project.
- Given that the API is updated and integrated with the UI correctly, after the project owner changes the name of the project, the project name should automatically update on the project owner's project overview as well as their dashboard.
- Given that the API is updated and integrated with the UI correctly, after the project owner changes the name of the project, the project name should also be changed on all the member's dashboards after they refresh their page.

## User Story #10

As a project owner and user, I want to be able to create collaborative text documents to share with users within the same project

#	Description	Estimated Time	Assigned To
1	Create a UI for project documents and linked it to the project space	4 Hrs	Ling-jet Chee
3	Add backend functionalities for both the project documents UI	6 Hrs	Aditya Menon
4	Do some testing to make sure that the backend functionality functions correctly	3 Hrs	Jeff Chen

### Acceptance Criteria:

- Given that the UI is implemented and linked correctly, when the user is in a project space, the user should see a documents tag on the side bar.
- Given that the UI is implemented and linked correctly, after the user clicked onto the documents tag on the sidebar, the user should be redirected to the project documents UI and see a new document button.
- Given that the UI is implemented correctly, after the user clicks on the new document button in the project documents UI, a text editor will appear.
- Given that the backend functionalities for the project documents UI and text editor UI are implemented correctly, the user should be able to save their documents.
- Given that the backend functionalities for the project documents UI is implemented correctly, when the user is in the documents space, they should see all the documents that belong to the project.
- Given that the backend functionalities for the document UI and text editor UI are implemented correctly, after the user created a document through project documents UI, the document can be accessed by other users in the project.

## User Story #11

As a user, I want to be able to leave a project.

#	Description	Estimated Time	Assigned To
1	Update the project space UI to include a button for leaving	1 Hr	Ling-jet Chee
2	Update Project API for removing a user from a project	2 Hr	Brian Qi
4	Integrated the API with the UIs	1 Hr	Jeff Chen
5	Do some testing to make sure that the APIs function correctly	1 Hr	Brian Qi

### Acceptance Criteria:

- Given that the UI is updated correctly, when the user is just a member of the project, the user should see a leave button
- Given that the UI and the API are updated and integrated correctly, after the user who is the owner of the project clicks on the leave button in the project space, the project ownership will be transferred to one of the members, and the user will be removed from the project.
- Given that the UI and the API are updated and integrated correctly, after the user clicks on the leave button in their project's project space, the project will be updated, and every UI relating to the project will be updated as well.

## User Story #12

As a project owner, I want to be able to delete a project.

#	Description	Estimated Time	Assigned To
1	Update the project space UI to include a button for delete	1 Hr	Ling-jet Chee
2	Create a safety question UI for project deletion	1 Hr	Roberto Healy
3	Integrate the backend with the safety question UI	2 Hrs	Roberto Healy
3	Update the project management UI to have a button for delete	1 hr	Ling-jet Chee
1	Create an API that eliminates projects and updates users who are in the project when the project is removed.	6 Hrs	Brian Qi
4	Integrated the APIs with the UIs	2 Hrs	Jeff Chen
5	Do some testing to make sure that the APIs function correctly	2 Hrs	Brian Qi

### Acceptance Criteria:

- Given that the project space UI is updated correctly, when the user is the owner of the project, the user will see a delete button.
- Given that the project space UI is updated correctly, after the user clicks on to the delete button, the user should see a safety question, which contains a text field, a cancel button and a confirm button.
- Given that the project space UI is updated and the backend for the safety question is integrated correctly, if the user types in the wrong project name, the project won't be deleted and there will be a warning telling them they've input the wrong name.
- Given that the project space UI is updated correctly, when the user is a regular member of the project, the user should not see a delete button.
- Given that the project management UI is updated correctly, when the user is on the project management page, the user should see a delete button next to each of the displayed projects.
- Given that the project management UI is updated correctly, after the user clicked on the delete button in the project management page, the user should see a safety question that functions the same as the one in project space.
- Given that the APIs and the UIs are implemented correctly, when a project owner clicks on the delete button in their project's project space, the project will be deleted, and all the UI relating to the project will be updated.

## User Story #13

As a user in a project, I want to be able to create tasks that can be marked as completed (similar to Trello).

#	Description	Estimated Time	Assigned To
1	Create a task board UI and link with project space	4 hrs	Ling-jet Chee
2	Create an API to store and fetch tasks	2 Hrs	Aditya Menon
3	Integrate the API with the UI	4 Hrs	Jeff Chen
4	Do some testing to make sure that the APIs function correctly	2 Hrs	Aditya Menon

### Acceptance Criteria:

- Given that the link is implemented correctly, when the user is in a project space, the user should see a tab for the task list on the project's sidebar.
- Given that the link is implemented correctly, after the user clicked on the tab for the task list, the user should be redirected to the tasks page.
- Given that the UI is implemented correctly, when the user is on the tasks page, the user should be able to see a button for adding a task
- Given that the UI and the API are implemented and integrated correctly, after the user added a task, the task should be display on the task page
- Given that the UI and the API are implemented and integrated correctly, when the user is in the task page, the user should also see the tasks created by other members for this project.

## User Story #14

As a user, I want to be able to be in a chat room with all the members within the same project

#	Description	Estimated Time	Assigned To
1	Link the group chat UI with project space	1 Hr	Jeff Chen
2	Added the backend functionality for group chat UI	5 Hrs	Jeff Chen
3	Do some testing to make sure that the APIs function correctly	3 Hrs	Jeff Chen

### Acceptance Criteria:

- Given that the link is implemented correctly, when the user is in a project space, the user should see a tab for the group chat on the project's sidebar.
- Given that the link is implemented correctly, after the user clicked on the tab for group chat, the user should be redirected to the group chat page.
- Given that the backend functionalities are implemented correctly, after the user sends a text on the group chat it should be displayed in the chat room and stay there.

## User Story #15

As a project owner, I want to be able to create different channels for different tasks (similar to discord text channels).

#	Description	Estimated Time	Assigned To
1	Update the group chat UI so that there's a sidebar for showing all the channels and a button for adding channel	3 hrs	Ling-jet Chee
2	Add backend functionalities for the button the sidebar and the channel	6 Hrs	Brian Qi
3	Do some testing to make sure that the APIs function correctly	3 Hrs	Jeff Chen

### Acceptance Criteria:

- Given that the UI is updated correctly, the user who is the project owner should see a sidebar in the group chat space and a button for adding channel
- Given that the UI is updated correctly, the user who isn't the project owner should not see a button for adding channel
- Given that the UI and backend functionalities are implemented correctly, the user should see all the channels that have been created by their teammate for the project.
- Given that the UI and backend functionalities are implemented correctly, the user is able to create a channel after pressing the button for adding a channel



## User Story #16

As a user, I want to be able to update the information on my profile whenever I want.

#	Description	Estimated Time	Assigned To
1	Updated the Profile UI to display user description and allows edit	1 Hr	Ling-jet Chee
2	Updated the Profile UI to display the project name instead of project ID (missing from sprint 1)	1 Hr	Auden Huang
3	Create an Update API for updating user information (we are currently using AddUser API instead of an update API for updating user info)	4 Hrs	Jeff Chen
4	Create a path to Profile from all UIs	1 Hr	Brian Qi
5	Integrated the API with the UI	2 Hr	Jeff Chen
6	Do some testing to make sure that the API functions correctly	1 Hr	Roberto Healy

### Acceptance Criteria:

- Given that the paths are implemented correctly, the user can redirect to their profile no matter where they are.
- Given that the UI is updated correctly, when the user is at their profile page, they'll be able to see their own description and will be able to edit their profile.
- Given that the API is implemented and integrated correctly with the UI, after the user made changes to some of their information and clicked the submit button, their profile will automatically update (no need to manually refresh)

## User Story #17

As a user, I want to be able to look for a specific type of project: a project for a school module, a project for research, or a project for fun.

#	Description	Estimated Time	Assigned To
1	Added a filter bar in the main feed	2 hrs	Roberto Healy
2	Add backend functionality for the filter bar	5 Hrs	Aditya Menon
3	Add backend functionality for the search bar (missing from sprint 1)	4 Hrs	Aditya Menon
4	Do some testing to make sure that the APIs function correctly	2 Hrs	Aditya Menon

### Acceptance Criteria:

- Given that the UI is implemented correctly, when the UI is on the project feed, the user will see a filter bar.
- Given that the UI is implemented correctly, when the UI is on the project feed, the user will see a filter bar that should display some type of projects.
- Given that the UI and the backend functionalities are implemented correctly, after the user applied the filter bar, the project feed should change accordingly.

# Remaining Backlog User Stories

- ~~1. As a user, I want to create an account (so that I can use the application).~~
- ~~2. As a user, I want to add details such as skills and interests to my account.~~
- ~~3. As a user, I want to create a project (so that I can find other teammates).~~
- ~~4. As a project owner, I want to edit the project (so that I can add details such as what it is and what I am looking for).~~
- ~~5. As a project owner, get recommended people who would fit in for the project.~~
- ~~6. As a project owner and user, I want to be able to message other users.~~
- ~~7. As a project owner and user, I want to be able to invite other users to join my project.~~
- ~~8. As a user, I want to have projects recommended to me.~~
- ~~9. As a user, I want to be able to search for other users.~~
- ~~10. As a user, I want to be able to join projects.~~
- ~~11. As a user, I want to have a text editor that I can use to drop down notes.~~
12. As a user, I want to be able to connect to other users.
13. As a user, I want to be able to see the projects I'm in.
- ~~14. As a user, I want to be able to be in a chat room with all the members within the same project (so that I can discuss the project with my teammates as a group).~~
- ~~15. As a user, I want to be able to look for a specific type of project: a project for a school module, a project for research, or a project for fun.~~
- ~~16. As a user, I want to be able to specify the type of project I'm posting. Either it is for my research, one of my modules, or just for fun.~~
17. As a user, I want to be able to see the past project I've completed.
18. As a user, I want the completed project to be in a different section than my ongoing project on the dashboard (Like in two different drop-down lists, similar to those on Wikipedia).
- ~~19. As a user, I want to be able to adjust the order of the projects shown on my dashboard. (Like on Discord u can tap and drag on the server icon to change the order your servers display on the side bar).~~
20. As a project owner, I want to be able to review the resumes/ skill of the applicants, so I can reject or accept the application.
- ~~21. As a project owner, I want to be able to see who is in my project.~~
- ~~22. As a user, I want to be able to go between different chats with potential teammates or project owners~~
- ~~23. As a project owner and user, I want to be able to log in and log out of my account~~
- ~~24. As a user in a project, I want to be able to create tasks that can be marked as completed (like Trello)~~
25. As a project owner, I want to be able to remove users from my project if things don't work out
26. As a project owner, I want to be able to see what projects the user has worked on through this application
27. As a user and project owner, I want to be able to adjust my preferences for what kind of users/projects are recommended to me. (Preferences such as languages, frameworks, distance from me, time willing to spend, etc.)
- ~~28. As a user, I want to be able to set a profile picture~~
- ~~29. As a user, I want to be able to deactivate my account~~
30. As a user, I want to be able to submit ratings for other users I have worked with

- ~~31. As a project owner and user, I want to be able to create collaborative text documents to share with users within the same project~~
32. As a project owner, I want to be able to set a limit to the number of members I am looking for.
33. As a project owner, I want my project to be hidden from other users other than the ones in my team once it has gathered the number of members that I have specified
- ~~34. As a user, I want to be able to update the information on my profile whenever I want~~
35. As a user, I want to be able to decline projects that I am not interested in being a part of
36. As a user, I want to be able to sort/filter projects by most recently posted, most relevant to me, project owner rating, etc.
37. As a user, I want to be able to customize the UI (dark mode, light mode)
38. As a user, I want to be able to report other suspicious/malicious users
39. As a project owner, I want to be able to leave ratings on team members that I've worked with in the past
- ~~40. As a project owner, I want to be able to customize my project's dashboard (Project profile photo, project banner)~~
41. As a project owner, I want to be able to promote members in my project to have the capabilities of a project owner (transfer ownership, or have co-owners)
42. As a project owner, I want to be able to demote members and take away certain capabilities
- ~~43. As a user, I want to be able to go to the correct project space when I click on a project on the dashboard~~
44. As a project owner and user, I want to be able to see a list of users that I have worked with in the past
45. As a project owner and user, I want to be able to set up voice calls with my team (if time allows)
46. As a user in a project, I want to be able to set & remove team reminders.
- ~~47. As a user in a project, I want to be able to keep track of the project's milestones.~~
48. As a user in a project, I want to be able to mark off project milestones, and the owner of the project must approve it, so that it'll be mark as accomplished on the tracker)
49. As a user, I want to be able to pin & unpin messages in a chat room.
- ~~50. As a project owner, I want to be able to change the project name that'll be display on the dashboard of all members~~
- ~~51. As a project owner, I want to be able to create different channels for different tasks.~~
- ~~52. As a project owner, I want to be able to set the project's milestones~~
53. As a project owner, I want to be able to mark off the project's milestones, and approve other members' requests for marking off any of the milestones.
54. As a user, I want to be able to write on a blackboard/ whiteboard while in a call. (If time allows)
55. As a user, I want to be able to set a recurring call. (If time allows)
56. As a user, I want to be able to cancel a recurring call. (If time allows)
57. As a user in a project, I want to be able to share my screen while in a call with my teammates. (If time allows)