

Team 39 Sprint 3 Planning Document



Team Members

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Sprint Overview

During this sprint, we will finish implementing the functionality of our project to fulfill all remaining user stories. We may also have to revise our previous work to stop unintended behavior or improve coordination between the frontend and backend. The work done during this sprint must result in a complete product, so we will need to make sure everything is as polished and bug-free as possible.

Scrum Master: Karim Mammadli

Meeting Plan: Tuesdays/Thursdays @ 9:00pm

Risks and Challenges:

One potential challenge is that we will need to make sure that our project will not only fulfill our user stories, but also work smoothly and look good. As a result, we will need to perform many user tests to verify that everything can function properly when the time comes to present our project. Another potential challenge is that we will need to write and link many new frontend and backend components to fulfill our remaining user stories, which will likely take a lot of time to code and a lot of testing to ensure proper implementation.

Current Sprint Detail

User Story #1

As an individual user, I would like to be able to easily view all of my completed tasks in a list along with my total points accumulated and number of tasks completed.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Create UI to display a user's completed tasks in a list | 2 Hrs | Nick, Ryan, & Prahaz |
| 2 | Create an algorithm to retrieve all the tasks completed by the user | 2 Hrs | Nick, Nabi, & Karim |
| 3 | Debug and test algorithm for getting all the tasks completed by the user | 2 Hrs | Nick, Nabi, & Karim |
| 4 | Create UI to display total points accumulated and number of tasks completed | 2 Hrs | Nick, Ryan, & Prahaz |
| 5 | Create an algorithm to retrieve total points accumulated and number of tasks completed | 2 Hrs | Nick, Nabi, & Karim |
| 6 | Debug and test algorithm for getting the total points accumulated and number of tasks completed | 2 Hrs | Nick, Nabi, & Karim |

Acceptance Criteria:

1. Given that the UI for the completed task list is completed, users will see the tasks they completed on their homepage.
2. Given that the UI for total points accumulated is completed, users will see the total points they have earned in the room on their homepage.
3. Given that the UI for number of tasks completed is completed, users will see the total number of tasks they have completed on their homepage

User Story #2

As a team member, I would like to be able to start and participate in a voting system to kick a team member from a room, remove a task from the Completed tasks list and add it back to the Team tasks list, and remove a User from a Pending task.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Add a button to homepage UI to access the voting section of a Room | 1 Hrs | Nick, Ryan, & Prahas |
| 2 | Create a UI for creating a vote | 3 Hrs | Nick, Ryan, & Prahas |
| 3 | Create a UI for participating in a vote | 3 Hrs | Nick, Ryan, & Prahas |
| 4 | Create necessary backend routes and schema for voting on removing a team member from a room | 2 Hrs | Nick, Nabi, & Karim |
| 5 | Create necessary backend routes and schema for voting on undoing marking a task as complete | 2 Hrs | Nick, Nabi, & Karim |
| 6 | Create necessary backend routes and schema for voting on removing a team member from a Pending task | 2 Hrs | Nick, Nabi, & Karim |
| 7 | Testing & Debugging | 2 Hrs | Everyone |

Acceptance Criteria:

1. Given that the UI for the voting system is complete, users will be able to use it to kick a team member from a room.
2. Given that the UI for the voting system is complete, users will be able to use it to remove a task from the completed tasks list and add it back to the Team tasks list.
3. Given that the UI for the voting system is complete, users will be able to use it to remove a User from a Pending task.

User Story #3

As an individual user, I would like to be able to view accurate room information on my homepage, profile, header, footer, and the leaderboard.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Create an algorithm to retrieve all the accurate information on the user's profile page | 2 Hrs | Nick, Nabi, & Karim |
| 2 | Debug the algorithm for retrieving all the accurate information on the user's profile page | 2 Hrs | Nick, Nabi, & Karim |
| 3 | Create an algorithm to retrieve all the accurate information for the footer | 2 Hrs | Nick, Nabi, & Karim |
| 4 | Debug the algorithm for retrieving all the accurate information for the footer | 2 Hrs | Nick, Nabi, & Karim |
| 5 | Create pages and hyperlink them to clicks on the footer | 3 Hrs | Nick, Ryan, & Prahas |
| 6 | Update leaderboard frontend so that each element is a button that leads to a corresponding profile page | 3 Hrs | Nick, Ryan, & Prahas |
| 7 | Make it so that Users cannot modify a profile that belongs to another User (since we will likely reuse our existing profile page) | 3 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the UI for the homepage is completed, the header of the homepage will change to display the name of the room the user is currently in.
2. Given that the UI for the profile page is completed, the user will be able to return to the room they accessed their profile from.
3. Given that the UI for the footer is complete, the user will be able to view information about the application and the developers.
4. Given that the UI for the leaderboard is complete, clicking on an element of the leaderboard will lead to a profile page with a username & level that matches the leaderboard element.

User Story #4

As a team member, I would like to be able to have an About Me section that is specific to each room.

| # | Description | Estimated Time | Owner |
|---|---|----------------|---------------------|
| 1 | Create an algorithm to retrieve the About Me information the user inputs | 2 Hrs | Nick, Nabi, & Karim |
| 2 | Debug the algorithm for retrieving the About Me information the user inputs | 2 Hrs | Nick, Nabi, & Karim |
| 3 | Create/update necessary backend routes and schema to include About Me section | 4 Hrs | Nick, Nabi, & Karim |
| 4 | Testing & Debugging About Me backend | 2 Hrs | Nick, Nabi, & Karim |

Acceptance Criteria:

1. Given that the About Me section is implemented properly, the user will be able to view an About Me blurb that changes with each room.
2. Given that the About Me section is implemented properly, the user will be able to write an About Me blurb that changes with each room.
3. Given that the backend is implemented properly, the backend will respond to an HTTP request for a User's About Me section for a specified room with the appropriate About Me that the User created.

User Story #5

As an individual user, I would like to be able to edit my personal information and change my password.

| # | Description | Estimated Time | Owner |
|----|--|----------------|---------------------|
| 1 | Create an algorithm to retrieve all the personal information to be displayed on the profile | 2 Hrs | Nick, Nabi, & Karim |
| 2 | Debug the algorithm for retrieving all the personal information to be displayed on the profile | 2 Hrs | Nick, Nabi, & Karim |
| 3 | Create an algorithm to update a user's personal information | 2 Hrs | Nick, Nabi, & Karim |
| 4 | Debug the algorithm for retrieving all the personal information to be displayed on the profile | 2 Hrs | Nick, Nabi, & Karim |
| 5 | Create an algorithm to update a user's password | 2 Hrs | Nick, Nabi, & Karim |
| 6 | Debug the algorithm for updating a user's password | 2 Hrs | Nick, Nabi, & Karim |
| 7 | Create necessary backend routes and schema to store the profile picture, banner photo, and profile color | 2 Hrs | Nick, Nabi, & Karim |
| 8 | Debug the backend routes to store the profile picture, banner photo, and profile color | 2 Hrs | Nick, Nabi, & Karim |
| 9 | Create necessary backend routes to retrieve the profile picture, banner photo, and profile color | 2 Hrs | Nick, Nabi, & Karim |
| 10 | Debug the backend routes to retrieve the profile picture, banner photo, and profile color | 2 Hrs | Nick, Nabi, & Karim |

Acceptance Criteria:

1. Given that the backend schemas and routes exist to retrieve all the personal information of a user, a user will be able to view this information on their profile.
2. Given that the backend schemas and routes exist to update a password, a user will be able to update their password.

3. Given that the backend schemas and routes exist to store and retrieve the profile picture, a user will be able to choose a custom profile picture.
4. Given that the backend schemas and routes exist to store and retrieve the banner photo, a user will be able to choose a custom banner photo.
5. Given that the backend schemas and routes exist to store and retrieve the profile color, a user will be able to choose a profile color from a list of available colors.

User Story #6

As a team member, I would like to be able to create posts and comment on other users' posts.

| # | Description | Estimated Time | Owner |
|----|--|----------------|----------------------|
| 1 | Create UI to display posts | 2 Hrs | Nick, Ryan, & Prahas |
| 2 | Create algorithm to retrieve posts | 3 Hrs | Nick, Ryan, & Prahas |
| 3 | Debug the algorithm for retrieving posts | 2 Hrs | Nick, Ryan, & Prahas |
| 4 | Create UI to create a new post | 2 Hrs | Nick, Ryan, & Prahas |
| 5 | Create algorithm to store new posts | 3 Hrs | Nick, Nabi, & Karim |
| 6 | Debug the algorithm for creating new posts | 2 Hrs | Nick, Nabi, & Karim |
| 7 | Create UI to display comments for a particular post | 2 Hrs | Nick, Ryan, & Prahas |
| 8 | Create algorithm to retrieve comments for a particular post | 3 Hrs | Nick, Ryan, & Prahas |
| 9 | Debug the algorithm for retrieving the comments of a particular post | 2 Hrs | Nick, Ryan, & Prahas |
| 10 | Create UI to write comments for a particular post | 2 Hrs | Nick, Ryan, & Prahas |
| 11 | Create algorithm to create a new comment for a particular post | 3 Hrs | Nick, Ryan, & Prahas |
| 12 | Debug the algorithm for creating a new comment for a particular post | 2 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the UI for posts and comments are complete, the user will be able to view the posts and comments of the other users in the room.
2. Given that the UI for posts and comments are complete, the user will be able to create posts on the main page of the room they are in.
3. Given that the UI for posts and comments are complete, the user will be able to type comments on their own and on other users' posts.

User Story #7

As an individual user, I would like to be able to view a landing page where I can choose to login if I have an account, register for a new account, or demo the application if I do not have an account.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Create UI for the landing page | 2 Hrs | Nick, Ryan, & Prahas |
| 2 | Create algorithm for the demo account | 2 Hrs | Nick, Ryan, & Prahas |
| 3 | Debug algorithm for the demo account | 2 Hrs | Nick, Ryan, & Prahas |
| 4 | Set up redirects on the landing page | 1 Hrs | Nick, Ryan, & Prahas |
| 5 | Testing and debugging redirects on the landing page | 1 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the UI for the landing page is working, there will be a landing page with the options of signing in, registering, or demoing the application.
2. Given that the login button functions, clicking the login button will redirect the user to the login page
3. Given that the register button functions, clicking the register button will redirect the user to the register page
4. Given that the demo button functions, clicking the demo button will redirect the user to the demo

User Story #8

As an individual user, I would like to be able to retrieve the file uploaded with tasks that are marked as Completed.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Add a button to the UI of Completed tasks that sends a request for each task's associated file | 1 Hrs | Nick, Ryan, & Prahas |
| 2 | Update frontend check to instead prompt a User when they try to submit a Task as Complete without a file attached | 2 Hrs | Nick, Ryan, & Prahas |
| 3 | Testing & Debugging the frontend check | 1 Hrs | Nick, Ryan, & Prahas |
| 4 | Only show button to get file on Completed task information UI if there is a corresponding file in the database | 3 Hrs | Nick, Ryan, & Prahas |
| 5 | Testing & Debugging button visibility | 2 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the backend contains a file that the User is requesting, the backend will send the correct file when a User requests the file associated with a Completed task.
2. Given that the completed task information UI is implemented, the completed task information UI will have a button that requests its associated file when clicked.
3. Given that the backend is implemented correctly, it will respond to requests to get a file for a Task that does not have a corresponding file with a message explaining that.

User Story #9

As an individual user, I would like the application to be secure from invalid field inputs and unauthorized requests.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Add validity checks on all field inputs | 2 Hrs | Nick, Ryan, & Prahas |
| 2 | Testing & Debugging validity checks | 2 Hrs | Nick, Ryan, & Prahas |
| 3 | Add warnings that inform the User if an input is invalid | 2 Hrs | Nick, Ryan, & Prahas |
| 4 | Implement session cookies in the backend when a user signs in | 3 Hrs | Nick, Nabi, & Karim |
| 5 | Testing & Debugging session cookie backend | 2 Hrs | Nick, Nabi, & Karim |
| 6 | Update frontend to use session cookies instead of User_ids | 1 Hrs | Nick, Ryan, & Prahas |
| 7 | Testing & Debugging frontend requests that are updated to use session cookies | 2 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the application is secure, the application will not accept inputs that do not match the input type of the field.
2. Given that the application is secure, the application will notify a User when an input is deemed unacceptable.
3. Given that the application _____, the application uses session cookies rather than User_ids in HTTP requests & responses when specifying the User the request is for.

User Story #10

As an individual user, I would like to be able to see the UI dynamically change instead of having to reload the page.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Change all UI elements that are subject to updates to use React hooks | 3 Hrs | Nick, Ryan, & Prahas |
| 2 | Ensure requests to backend are set up and result in automatic changes on the UI | 2 Hrs | Nick, Nabi, & Karim |
| 3 | Testing & Debugging | 2 Hrs | Nick, Nabi, & Karim |

Acceptance Criteria:

1. Given that the UI for the sidebar is implemented properly, the sidebar should change dynamically if a room is added or removed.
2. Given that the UI for the progress bar is implemented correctly, the progress bar should change dynamically if a task is marked as complete.
3. Given that the UI for the leaderboard is implemented correctly, the leaderboard should change dynamically and the updated rankings should be displayed if a user completes a task.

User Story #11

As an individual user, I would like to be shown information through custom notifications rather than browser alerts.

| # | Description | Estimated Time | Owner |
|---|---|----------------|----------------------|
| 1 | Create a Notification component | 2 Hrs | Nick, Ryan, & Prahas |
| 2 | Update application to create Notifications rather than browser alerts | 1 Hrs | Nick, Ryan, & Prahas |
| 3 | Make general Notifications automatically disappear after a set amount of time | 1 Hrs | Nick, Ryan, & Prahas |
| 4 | Testing & Debugging of the notification system | 2 Hrs | Nick, Ryan, & Prahas |
| 5 | Enable displaying multiple Notifications, shown in chronological order | 3 Hrs | Nick, Ryan, & Prahas |
| 6 | Testing & Debugging of the notification system in chronological order | 2 Hrs | Nick, Ryan, & Prahas |

Acceptance Criteria:

1. Given that the Notification component is implemented correctly, it will be possible to show multiple Notifications at once.
2. Given that the Notification component is implemented correctly, general information notifications will be shown with a blue background and urgent notifications/warnings will be shown with a red background.
3. Given that the Notification component is implemented correctly, general information notifications will automatically disappear after 10 seconds, or disappear when clicked on.
4. Given that the Notification component is implemented correctly, urgent notifications/warnings will only disappear when clicked on.

Functional Requirements:

- As an individual user, I would like to be able to:
 - ~~1. register for an Enjoyagoals account.~~
 - ~~2. login and manage my Enjoyagoals account, and reset my password.~~
 - ~~3. nregister using my google account if I do not have an Enjoyagoals account.~~
 - ~~4. easily set a custom profile picture and customize my profile page's theme and banner.~~
 - ~~5. display my contribution to the room I am currently in, email account and phone number on my Enjoyagoals account alongside other personal information for others to see.~~
 - ~~6. view all of the tasks I need to finish in a comprehensive list after logging in~~
 - ~~7. easily check the details of each individual task (description, date created, deadline, point value).~~
 - ~~8. I would like to be able to easily view all of my completed tasks in a list along with my total points accumulated and number of tasks completed.~~
 - ~~9. join, switch between, or withdraw from different project rooms at any time after signing in.~~
 - ~~10. (if time allows) purchase exclusive profile pictures or emotes with points that I have earned from tasks to modify my user experience.~~
 - ~~11. view a calendar with the project and task deadlines listed clearly.~~
 - ~~12. view my level based on the number of tasks I have completed.~~
 - ~~13. easily join a team.~~
 - ~~14. view a progress bar visually showing progress made towards the end goal.~~
 - ~~15. I would like to be able to easily view all of my completed tasks in a list along with my total points accumulated and number of tasks completed.~~
 - ~~16. I would like to be able to start and participate in a voting system to kick a team member from a room, remove a task from the Completed tasks list and add it back to the Team tasks list, and remove a User from a Pending task.~~
 - ~~17. I would like to be able to view accurate room information on my homepage, profile, header, footer, and the leaderboard~~
 - ~~18. I would like to be able to have an About Me section that is specific to each room.~~
 - ~~19. I would like to be able to edit my personal information and change my password.~~
 - ~~20. I would like to be able to create posts and comment on other users' posts.~~
 - ~~21. I would like to be able to view a landing page where I can choose to login if I have an account, register for a new account, or demo the application if I do not have an account.~~
 - ~~22. I would like to be able to retrieve the file uploaded with tasks that are marked as Completed.~~
 - ~~23. I would like the application to be secure from invalid field inputs and unauthorized requests.~~
 - ~~24. I would like to be able to see the UI dynamically change instead of having to reload the page.~~
 - ~~25. I would like to be shown information through custom notifications rather than browser alerts.~~

- **As a team member, I would like to be able to:**

1. ~~view tasks to be completed, their point values, and their status.~~
2. ~~indicate that I am currently working on a task and then add notes if I feel like I need to share information with my team.~~
3. upload files from my computer to my Enjoyagoals group(s) when I have completed a task.
4. indicate that I have completed a task.
5. view the number of the tasks that have been completed.
6. view the tasks that are being completed by other team members.
7. view the details of each completed task, such as the date & time marked as complete, who completed the task, the point value, etc.
8. communicate with other team members through a messaging system.
9. start and participate in a voting system in case the team needs to kick a member.
10. view the leaderboard that shows the other team members' levels & rankings.