

## Active Sprint Board (Story #'s come from the PB.md document story numbering)

*Priority starting from most important to least important:*

**Ishika** (dropped the class, user story not counted)

### User story 7

As a user, I want to see a forum with different tags for different topics so that I can find posts that I am interested in.

Tasks involved -

- a) Create different buttons representing the tag and making them functional - <1 day
- b) Getting recent posts and representing them in forum ~1-2 days
- c) creating a search bar ~ 1 day
- d) Making avatar and displaying profile when clicked on it ~1 day
- e) Making a back button to redirect to the home page

Learning different technologies involved ~ 5 days

### Madison: 5 points

**User Story 8:** As a user added to a forum (Sarah), I want to post questions, answers, and comments underneath posts so that I can communicate and collaborate with other students

- Page to post questions (In progress)
  - UI for page to post questions (complete) - 3 hours
  - Post title and content data to MongoDB - 5 hours (complete)
  - Add ability to select tags for the post and post tags to database- 5 hours
  - Check for valid input - 5 hours (in progress)
- Page to display question and all of its answers - 10 hours(TODO)
- Feature to add an answer to a post - 5 hours (TODO)
- Feature to comment underneath a post - 8 hours (TODO)
- Feature to reply to a comment - 8 hours (TODO)
- General comment section for the post including being able to add comments and reply to comments 10 hours (TODO)

### Catherine: 23 points

1. As a user(Sarah/Mark), I want to log into my account with email and password so that I can use the website.
  - Authenticating users - 3 hours (DONE)
  - Implement UI for signing in - <1 hour (DONE)
2. As an unregistered user(Sarah/Mark), I want to register a new account through username, email, and password so that I can join the website.
  - Creating new user in database - 3 hours (DONE)
  - Implement UI for signing up - <1 hour (DONE)
3. As a user(Sarah/Mark), I want to log out so that I can prevent others around me from accessing my account when I'm absent.

- Removing current user from database in active session - 3 hours (IN PROGRESS)
  - Implement UI for signing out - 1 hour (IN PROGRESS)
4. As a user(Sarah/Mark), I want to be able to reset my password through email so that I can log in if I forget my password
    - Sending email - 2 days (IN PROGRESS)
    - Implement UI for password reset - 4 hours (IN PROGRESS)
  5. As a registered user (Sarah/Mark), I want to view my profile so that I can edit my account details. (IN PROGRESS)
    - Allow users to edit account details - 1 day (IN PROGRESS)
    - Implement UI for viewing profile - 4 hours (IN PROGRESS)

### **Tara Jorjani - 13 points**

**User Story 13:** As a student learning math (Mark), I want to access the derivative calculator so that I can verify homework answers for calculus I

- Figuring out how to translate input format (such as the coexistence of constants, variables, exponents, operations, etc) to a format that can be read by the program (3 hours) (DONE)
- Logic in automating the derivative processes (polynomials, chain rule, constants) and implementing its calculations with JavaScript functions (6 hours) (DONE)
- Validating user input of equations involving the parentheses, values surrounding the +/- signs, and ensuring variables are in terms of x (4 hours) (DONE)
- Creating input tools (ex. trig functions, variables, keyboard, etc) for client to use to enter the derivative, and displaying the result in a neat format (10 hours) (IN PROGRESS)
- Creating a step-by-step solution to display the answers (12 hours) (IN PROGRESS)

### **Zane: 20 points**

**User Story 14:** As a student learning math (Mark), I want to access the linear algebra calculator so that I can verify homework answers for linear algebra courses.

Calculator designed for students learning Linear Algebra

- Calculator interface design (2 days)(DONE)
- UI/UX implementation (2 days)(DONE)
- Implement calculator functionalities( Linear Algebra solvers: matrices, linear transformations, eigenvalues etc.) (3 days) (IN PROGRESS)

### **Christine Zhao: 11 points**

- 16. As a user, I would like to schedule my day with a daily to-do list so that I can plan out activities/tasks in my day.

- Creating the UI (20hr day) (IN PROGRESS)
  - Sort tasks by a variety of filters (complete, deadline, title, timespent...) (2hr) (IN PROGRESS)
- 17. As a user, I would like to start and pause a stopwatch for the item on the to-do list that I am currently working on, so that I can track the amount of time spent on this activity.
  - Display to-do list items (5 hr) (DONE)
  - Creating the UI (20hrs) (IN PROGRESS)
- 18. As a user, I would like to view the stopwatch that is currently running so that I know how much time I spent on the current item
  - Logic for saving the time to the database (8 hours) (TODO)
  - Toggle the display of the timer (8 hours) (DONE)
- 19. As a user, I would like to mark an item on the to-do list as complete so that I could keep track of which items are completed.
  - Save to the database (3 hours) (DONE)

### **Tara and Madison: 5 points**

**User Story 23:** As a web developer for No Struggle, I want to learn the necessary technologies including MERN stack in order to figure out how to implement my assigned user stories.

- Tara
  - Learn how to use react (16 hours) (IN PROGRESS)
  - Learn how to use node and express (24 hours) (IN PROGRESS)
  - Learn how to use MongoDB (16 hours) (IN PROGRESS)
  - Learn useful JavaScript functions (16 hours) (COMPLETED)
- Madison
  - Learn how to use React (1 day) (COMPLETED)
  - Learn how to use NodeJs and Express (COMPLETED)
  - Learn how to use MongoDB (half a day) (COMPLETED)