

Sprint 7 Planning Report – GrinSync

Capacity

Our team has less time to work this sprint compared to the last sprint. However, we must deliver our MVP for this sprint, so we predict that we will have a lot more work to do than in previous sprints. We will likely have to work more than we are initially willing to commit to, which is what happened last sprint (and we might lose some sleep in the process).

Availability

- Sam is pretty busy this sprint (again). She has two softball doubleheaders on Saturday and Sunday and a test to study for on Tuesday. She can do 3 Sam hours of work this sprint (much less than previous sprints).
- Bradley is a little busy but will have time this weekend; he just has to turn in his math homework. He can do 6 Bradley hours.
- Brian is chilling. He's got stuff to, but whatever. He'll finish the tag filtering for the backend and then help with student organization integration. He can do 6 Brian hours.
- Nam has a bunch of other work to do for his other classes, so he has less time to do work. He can do 4 Nam hours.
- Kevin has some prior commitments this sprint and has less time to do work compared to last sprint. He can do 5 Kevin hours.
- Livia: Livia has another graph theory exam that she has to study for. She can probably do 3 Livia hours on Sunday. She'll use this time work on student org integration and documentation.

Our time estimates were very off in the last sprint. We severely underestimated how much time each task would take and how much time the demo preparation would take. We also underestimated how much work (how many issues) we had to do. A lot of sleep was sacrificed last sprint to make up for these mistakes. For this sprint, we predict that the amount of work we will have to do will be more than ever. This will probably mean that some sacrifices will be made so that we can deliver our MVP (Leah said that this quarter we will just have to work harder, so sleep sacrifices might be made!).

Time Unit Explanation

Each person will report how many hours they can work this sprint (this is what is reported above). Then, when we assign tasks, we will estimate the time for that issue based on how long a specific person will take to complete it.

Example: Issue - implement functioning navigation bar

Sam can work 5 hours this sprint. For Sam, this issue will take all 5 hours of her time.

Kevin can work 7 hours this sprint. For Kevin, this issue will take only 3 hours of his time.

So, if the issue is assigned to Sam, we say the issue will take 5 Sam hours. If the issue is assigned to Kevin, we say the issue will take 3 Kevin hours.

Goals

The outcomes we plan on completing this sprint are:

MAIN OUTCOME: Deliver our MVP.

Another important outcome: Make sure that our tests and documentation is up to date for both the frontend and the backend.

- Frontend Team: Mainly, getting things finalized with our MVP so we can release our app.
 - TOKEN ENCRYPTION: Enhance user security!
 - HOME PAGE: Implement filtering on the Home page based on event tag.
 - CREATE EVENT PAGE: Allow users to create events as the user's student organization. Update event tags.
 - EDIT EVENT PAGE: Update event tags.
 - CALENDAR PAGE: Implement filtering on Calendar page based on event tag.
 - PROFILE PAGE: Implement linking a user to a student organization for student users only. Implement a page for users to set preferences (for the event tags).
 - EVENT DETAILS: Finalize the details of this page.
 - IN SUMMARY: Implement filtering, user preferences, and student organization functionalities on the frontend!
- Backend Team: Mainly, implementing whatever functionality the frontend needs on the backend.
 - We'll be overhauling how we implement filtering on the backend. Instead of just being a string, we'll change the framework to connect each event with tags. This will then allow the Home page and Calendar page to be easily modified to filter events.
 - Beyond that, we want each user to be able to set preferences, so we'll implement both a default set of selected tags - for users' default preferences and people who aren't logged in - and personalization, so that users can select their own interests
 - We will also implement student organization functionality on the backend so that users can connect to and post as their student organization(s). This will entail them verifying their relationship with a student org via email verification and then allow them to select the org as the event host instead of themselves.
 - Finally, we will implement functionality that allows users to claim auto-populated events as theirs and edit them. We'll use the "contact_info" field from the scraped events and email verification to ensure that they can only edit events that are theirs
- Complete Milestone 10 writing tasks (bug logging).

Task Breakdown

You can find more details about the issues on our issue tracker:

<https://trello.com/invite/b/uRb8HI8c/ATTIfecbcca3acd9de1f86887aded46ef03f7BBBFDEA/grinsync>

A summary of the task breakdown:

- We divided the work of Milestone 10 among our group (see issue tracker for more details).
- Outside of Milestone 10 work:

- For many of our issues, we need to create global variables on the frontend for all possible event tags (sent from backend) and the user preferences; we imagine these will be lists containing the tags, and we do this so that we can stay consistent across different pages of the app.
- TOKEN ENCRYPTION: Everytime a user logs in, a token is returned by the backend. This token allows users to stay logged in on the app and access all of the app's features. We need to encrypt this token so that users don't get hacked.
- HOME PAGE: Create a filter button that will show all event tags possible. The default Home page view will have the user preferences pre-selected in the filter. Users will be able to select or unselect event tags and submit them to apply the filter to upcoming events on the Home page.
- CREATE EVENT PAGE: Create a dropdown menu for users that are linked to student organizations. In the dropdown menu, list out all of the student organizations that are linked to the user and also provide an option for the user to be the event host. Update the event tags to display the global variable.
- EDIT EVENT PAGE: Update the event tags to display the global variable.
- CALENDAR PAGE: Similar to the Home page except the default view is having no filters applied at all. All events show up on this page and the filter can make it so that only certain events show.
- PROFILE PAGE: Add a button to direct to a page for linking a user to a student organization for student users only. They will enter the email, and it must be confirmed through that email that this user should have access to the student org. Add a button to direct to a page for users to set preferences (for the event tags).
- EVENT DETAILS PAGE: Provide text on events to indicate if an event is student only. Add page routing in the Event Details for repeating events so that users can see the next repeating event.
- FILTERING ON BACKEND: Allow users to have event tag preferences and save them to each user in the backend. Create a default list of preferences for new/not logged in users. Take as input a set of filters and return only events with those tags.
 - See Outcomes above for more details.
- STUDENT ORG ON BACKEND: Implement email verification for the student org email. Return which organizations a user is verified with.
 - See Outcomes above for more details.

Assignment

- Bradley: Get token encryption working. I will also add tests and documentation to the Login, Registration, Forgot Password, Guest Profile, Search, and Search Results pages. Create a page where users can input a student organization email so that their account is linked with their student organization.
- Livia: Add documentation to the backend (document functions mainly). Implement student organization functionality on the backend (see Trello for more details).
- Sam: Add tests and documentation to the Edit Event, Event Creation, Guest Event Creation, and User Event Creation pages. Update the event tags on the Event Creation

and Event Edit pages to display the global variable that Kevin makes. Add option for users to create an event as their student organization as the host.

- Brian: Add tests on the backend that simulate requests and check that the outputs are correct. Implement filtering on the backend and help Livia implement student organization functionality on the backend (see Trello for more details).
- Kevin: Add tests and documentation to the Events I Created, Events I Follow, Profile, Home, and User Profile pages. Create global variables for all event tags possible and for a user's preferred tags. Implement a page for users to select their preferred tags. Implement filtering on the Home page.
- Nam: Add tests and documentation to the Calendar page. Add page routing for repeating events on the Event Details page. Edit the Event Details page to indicate student only events. Implement filtering on the Calendar page.

Issue Tracker

- Results of Sprint 7: See the "Done in Sprint 6 (4/24-4/30)" section in the Trello Issue Tracker.