

## Sprint 4 Planning Report – GrinSync

### Capacity

Given that this sprint is during Spring Break, our team will have more time to do work this sprint than the last sprint. At the same time, we want people to have their well-deserved rest, so we will not go overboard with adding too much extra work compared to the last sprint.

### Availability

- Sam will be gone the first week of Spring Break but will be back on campus for the second week. She plans on working over Spring Break, so she thinks she can work around 8 hours in total this sprint.
- Bradley will be gone the first week of Spring Break but plans to work on the plane some. He plans to spend about 8 hours working this sprint.
- Brian will be gone for most of Spring Break. Still, he can do 8 hours of work.
- Nam will be gone for both weeks of Spring Break but plans to work on the project the first week of Spring Break. He can also work 8 hours this sprint.
- Kevin will be gone all of Spring Break, and he plans to work on this project for 3-4 hours.
- Livia has a midterm after spring break (gross!), so she will be studying and focusing mainly on that exam. As a result, she will be able to work one hour this sprint but plans on working more for the next sprint once her midterm is over.

Our time estimates from the last sprint were slightly off because we ran into complications that made us take more time on issues than predicted. In this sprint, we are introducing the use of hours for time estimates. 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 do the time estimate for that issue based on how much 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 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:

- Front-end Team:
  - Make sure we have the app's front-end as an MVP by the end of this sprint so we are prepared for the demo when we come back from Spring Break.
    - MVP: Create some functionality on the *Event Creation* and *Calendar* pages so we can display them in our in-class demo.
  - Confirm we are using useful commit messages and have a useful README file for building our program.
- Back-end Team: Mainly, set up things to support frontend development.
  - Set up an event registration API so that once we have created the *Create Event* page, we can save the event in the database.

- o Set up a user registration API so that once we have created the *Registration* page, we can save the user in the database.
  - o Set up a response API view that returns the events for a given day.
  - o Finish up token authentication and confirm that users can log-in and save the token so that they do not have to repetitively log-in in the future.
  - o Convert the website to HTTPS instead of HTTP.
- Complete Milestone 7 tasks.

### 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 7 among our group (see issue tracker for more details).
- Outside of Milestone 7 work:
  - o Begin working on the *Create Event* and *Calendar* pages
    - Create Event: Have all fields up (from our prototype). Get user input from fields and send it to the back-end.
    - Calendar: Get the monthly, weekly, and daily views of a basic calendar scheme up.
  - o Set up APIs for user registration and creating events so that once the pages are finished, they can store their info in the database.
  - o Convert the website to HTTPS instead of HTTP.

### Assignment

- Bradley: Begin working on user registration and designing a registration page in the app. Create a Google doc with useful Flutter commands and tips for anyone who gets stuck over Spring Break/in the future.
- Livia: Write `getEventDay` to get an event from a specific date.
- Sam: Begin working on the event creation page.
- Brian: Finish token auth, setup HTTPS on the server, add user and event creation POST handlers, setup media and static handling, and add tests for the new functionality.
- Kevin: Begin working on the UI of home page, calendar page (monthly view), and search page.
- Nam: Begin working on the calendar page (daily & weekly views). Research into creating a dynamic view for the calendars to enable zooming.

### Issue Tracker

- Results of Sprint 4: See the “Done in Sprint 4 (03/13-04/05)” section in the Trello Issue Tracker.