

Sprint 7 Review Report – GrinSync (MVP DELIVERED WOO! - anything missing from last sprint, we did this sprint)

Customer-visible progress:

Student Organizations:

- Students can link to existing student organizations in GrinSync by sending a confirmation to the org's email.
- Students can create events under a student organization that they are linked to such that the event host name is not their own name but rather the student org name now.
- Any student linked with a student org can edit any event hosted by that student org.
- On the Profile page, students can view the student organizations that they are linked to as leaders. Clicking on an organization will lead them to an organization details page (this is just a filler page for now, but we plan on adding all org details here).

Tags and Filters:

- Logged-in users can also set tags they're interested in on the Tag Preferences page from the Profile page. The tag preferences will be used as default filters to show upcoming events on the Home page.
- The Upcoming Events page will only show events with tags that match the current filter; users can also modify the tags (i.e., use a filter) on the Home Upcoming Events page to look at other events with different tags. A logged-in student user can choose to see only 'student-only' events.

Calendar:

- There's a dropdown menu that allows users to filter the events in the calendar (the current default view displays saved events). The filters are: saved events (when applied, they will only see their own saved events in the calendar), events I created (when applied, they will only see events they created in the calendar), and user preferences (when applied, they will only see events that have the same tags as their user preferences).

Misc:

- In the Search page, the search results are now returned on the same page below the search bar, as opposed to going to a new page.

Event Details:

- Students can now see "Student-Only Event" in the event details of any event that is student only.
- In the Event Details page, there are now Save Event and Share Event buttons. The Save Event button does the saving/hearting of the event. The Share Event button allows users to share events to their friends on other messaging apps

Customer-invisible progress:

- We've restructured how the backend handles tags and student organizations, so it's easiest for the frontend to deal with filtering and student orgs.

- The tag overhaul was pretty significant, but now all of the functions that provide 'get events' to the frontend have the option to set tags that they will filter by (frontend can 'get event' for one tag, and the backend will return the events with only that tag).
- We've added significantly more testing to the backend, and it has actually been pretty useful in determining whether something is broken.
- We've made a lot more information accessible from the backend, including all the tags and orgs we have stored in the database, and interested tags and associated orgs for individual users.
 - The backend generates a list of event tags based on the events that are scraped from the Grinnell College official calendar, and the frontend now uses this list when displaying all possible event tags (e.g., in the Create Event page).
- On the backend, we implemented the functionality for people to claim auto-populated events as their own. We imagine on the frontend, they will do this by clicking on a link from a verification email sent to the associated contact-info email. Once they've claimed these events, they can go in and edit the events in case the info isn't accurate, but for now, we just have the backend set up for the frontend to implement it.
- We caught up on our documentation for our main backend code.
- We created a Bug Journal to our GrinSync repository and journaled about two bugs: 1) [Hive Box already closed error](#) and 2) [FormatException unexpected character error](#) (we followed Leah's guidelines in her presentation and Milestone 10 regarding encountering the error, solving it, and documenting it).
- We created a Bug Reports section in our issue tracker and reported a [Null error](#) occurring on app start-up.
- We removed the app bar in 'main.dart' and now each page implements their own app bars to have more control over it.
- We caught up on our documentation and widget tests for our main frontend page code.
- We now have token encryption on the frontend to protect user data for when they are logged in.
- We created a GrinSync moderator account that the GrinSync developing team all has access to. This account is a master account that can edit/delete any event and see all events.
- All events from Grinnell College calendar are scraped and put into the GrinSync calendar now.