

Sprint 4 Review Report – GrinSync

Major Decision: We decided that for this sprint, we wanted user registration and login, event creation, and event display in the calendar to function at an MVP level.

Git Tags for Demo Code:

GrinSyncBackend: demo-1

GrinSyncFrontend: Demo1

Customer-visible progress:

- EVENT CREATION PAGE: A minimum viable product for the Event Creation page. *Users can see the Event Creation page with fields to enter information.*
 - Users can enter event information on...
 - Title
 - Location
 - Start Date/Time
 - End Date/Time
 - Description
 - Tags (selection)
 - Users can create the event and send it to the Backend so that it can be stored in the database.
 - Users will get an “Invalid Input” error when:
 - They are missing any required event information.
 - The End Date/Time is before the Start Date/Time.
 - STEPS TO ACTIVATE:
 - Click on the Plus icon in the bottom bar labeled “Create”.
 - Enter the Event information as you please.
 - You can click into each text field to do this.
 - You can click the Create Event button to create an event that will show up in the calendar.
- SEARCH PAGE: A UI for the Search page (that doesn’t talk to the Backend yet, so it doesn’t search events, but it has the widgets we want on that page). *Users can see the search bar on the Search page.*
 - STEPS TO ACTIVATE:
 - Click on the Magnifying Glass icon in the bottom bar labeled “Search”.
 - Click on the search bar.
 - You can type whatever you want, but nothing will happen as of right now. This page just has placeholder widgets.
- HOME PAGE: The Home page shows the upcoming events (events that are happening soon). It pulls events that are stored in the database that occur from the current time and onwards. *Users can see a list of upcoming events on the Home page.* Users can also click on individual events to get more event details.

- STEPS TO ACTIVATE:
 - Click on the House icon in the bottom bar labeled “Home”.
 - A display of upcoming events will be shown.
 - You can click on an event and see that event’s details.
 - You may click the back arrow at the top of the screen to get out of the event.
 - You can pull down to refresh the page for newly created events.
- CALENDAR PAGE: A UI for the Calendar page that talks to the Backend and displays events from the database. The calendar page has multiple time views for users to choose from, a date picker, and a today icon directing users to the current date. *Users can see a typical calendar view, with daily, weekly, and monthly options.*
 - STEPS TO ACTIVATE:
 - Click on the Calendar icon labeled “Agenda” .
 - The default Day view of the calendar will show.
 - Click on the three vertical dots in the right-hand corner.
 - You can select between Day, Week, Month, and Schedule views of the calendar, and the proper view will display on the page after the user selects an option.
 - Click on a day when you’re in the Week view.
 - You will be directed to the Day view without having to click on the three vertical dots.
 - Click on any date when you’re in the Month view.
 - You will see an agenda of all the events on that date in a window below the calendar.
- USER REGISTRATION: The User Registration page is functioning on a basic level. You can enter an email and password to create an account and subsequently use those login credentials to log into your account. We do not yet have email confirmation set up yet. *Users can see a User Registration page with fields prompting them to:*
 - Enter their account email.
 - Create a password.
 - Confirm the password.
 - They can later use the email as the username to log in.
 - STEPS TO ACTIVATE:
 - When you first open the GrinSync app, click the “Profile” button in the bottom navigation bar.
 - Click “Register”.
 - The registration page will show.
 - Fill out the fields as needed.
 - Click the register button to register as a user.
 - You can then go back to the “Profile” button, click “Log in” instead, and log in with the credentials you just created.

Customer-invisible progress:

- The Frontend team created a Flutter Help Guide, a living document with helpful tips and commands for Flutter (the Frontend team can refer to this document if we get stuck on something Flutter-related).
- The Backend team set up the server to communicate using an HTTPS protocol (which is more secure than the default HTTP one).
- The Backend team set up event creation and user registration API so that the frontend can send user input to the backend.
- The Backend team set up getEventDay API for the calendar page and an upcoming events API call for the upcoming events Home page so that the frontend can get event information to display.
- The Backend team set up API calls so the frontend team can get information about specific events and users in preparation for profile viewing (not yet up on the frontend).
- We added documentation to our README on how to build and test the system.