

**Overview:** Madison

We are creating a web application that will store calendar events for users to share. Our goal is to help connect groups of people who have shared scheduling interests but no platform to do so. It's going to be a simple way to connect people and dates so that nothing gets missed.

We plan to take this application a step further and give the users other ways to access these events. We will do this by adding email functionality that allows users to get weekly or monthly updates on their upcoming events. We're also adding a print functionality so that users can print a formatted view of their events.

**Features:** Ryan

- User Login - Users will be able to register accounts to log in to the application. These users will be able to create and manage calendars and approve events being added to those calendars. However, non-users will still be able to view active calendars and submit events for review by the calendar owner, among other functions.
- Create Event Form - Since the goal of the application is to make an accessible framework for storing important personal dates, individuals who are not registered/signed-in users will still be able to create events to add to calendars. This info will be received by our app and stored in a MySQL database for data persistence.
- Search (by Month or other criteria) - An input form will allow users to search for recorded events by time period or potentially other criteria (keywords, etc.).
- List - Functionality to render a list format of events specific to a calendar based on items such as time period or potential other criteria (keywords, etc.).
- Email (weekly or month) - Email handling to send subscribed users updates on what events are coming up on a specific calendar. Time period for this is TBD — but likely monthly.
- Print - Create a print-friendly view that will allow individuals to easily print a formatted copy of events on a calendar over some specific view (time period, keyword, etc.).

**Technologies:** Logan

I wrote up what I see as our two main options for tech stacks for this project:

We will be using the following tech stack:

- MySQL
- Express.js
- Angular.js
- Node.js

In this model, MySQL is our primary database where we store information about users, calendars, and events. Express.js and Node.js are used to set up a CRUD server that allows users to create calendars, perform admin tasks regarding these calendars, and add events to calendars. Angular.js is the frontend client that will be used to display all forms and calendars.

\*\*\*\*\*

OR:

\*\*\*\*\*

We will be using the following tech stack:

- MySQL
- Spring Boot
- Thymeleaf Templates
- Bootstrap

In this model, MySQL is our primary database where we store information about users, calendars, and events. Spring Boot is used to set up a CRUD repository and allows users to create calendars, perform admin tasks regarding these calendars, and add events to calendars. Frontend development will be completed using Thymeleaf HTML templates and will be styled using Bootstrap.

**What you'll have to learn:** Vanessa

- Printing - We need to learn how to make a nice looking, printable page to send to a user's printer.
- Link Angular to Java.
- Email a user on specific days. - We also need to learn about how to automate emails to send on specific dates like birthdays and holidays.
- Link info to an outside source. - How to link the information to a calendar, like Google Calendar.

**Project Tracker:** <https://trello.com/b/52AyJa67/capstone-project>

Editing : Tianna