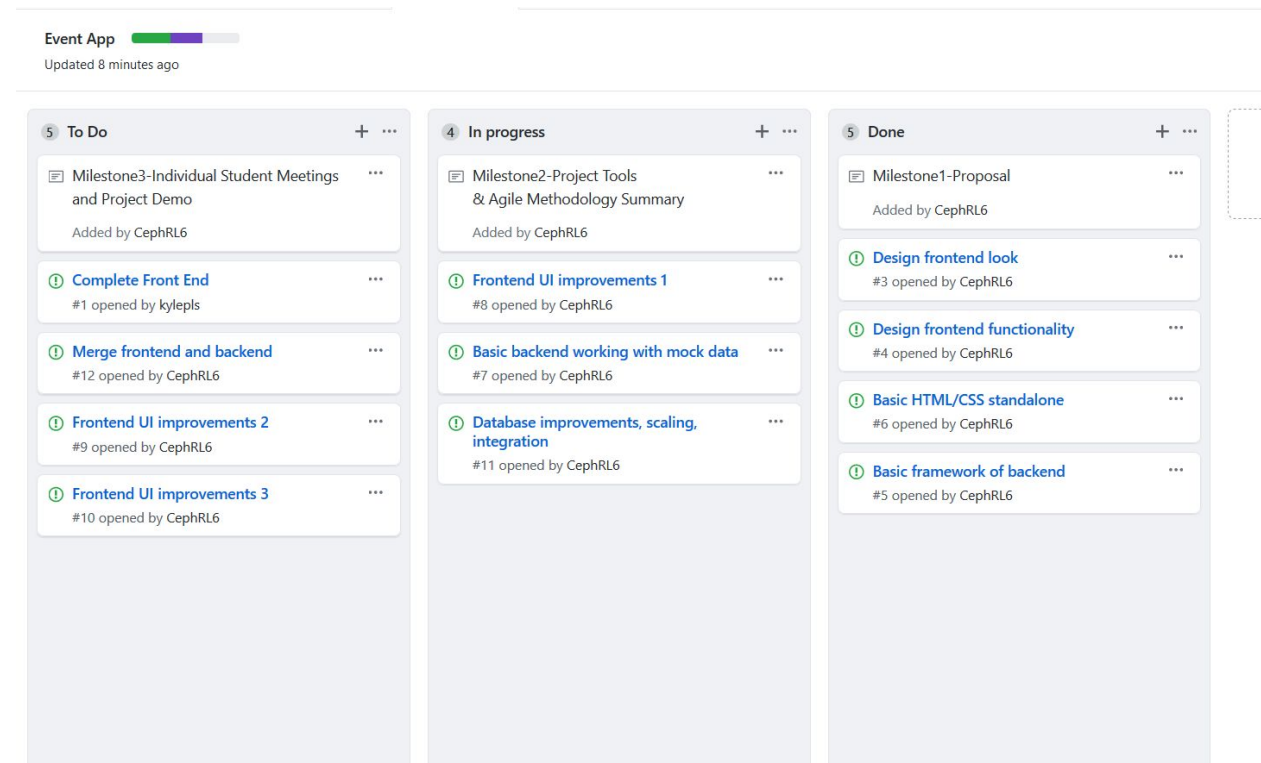Team Name: Event Aggregates
Team Members: Brandon Stone, David Skrenta, Kyle Mock, Tim Davis, Yanchao Li, Zachary North

Project Management Tool:

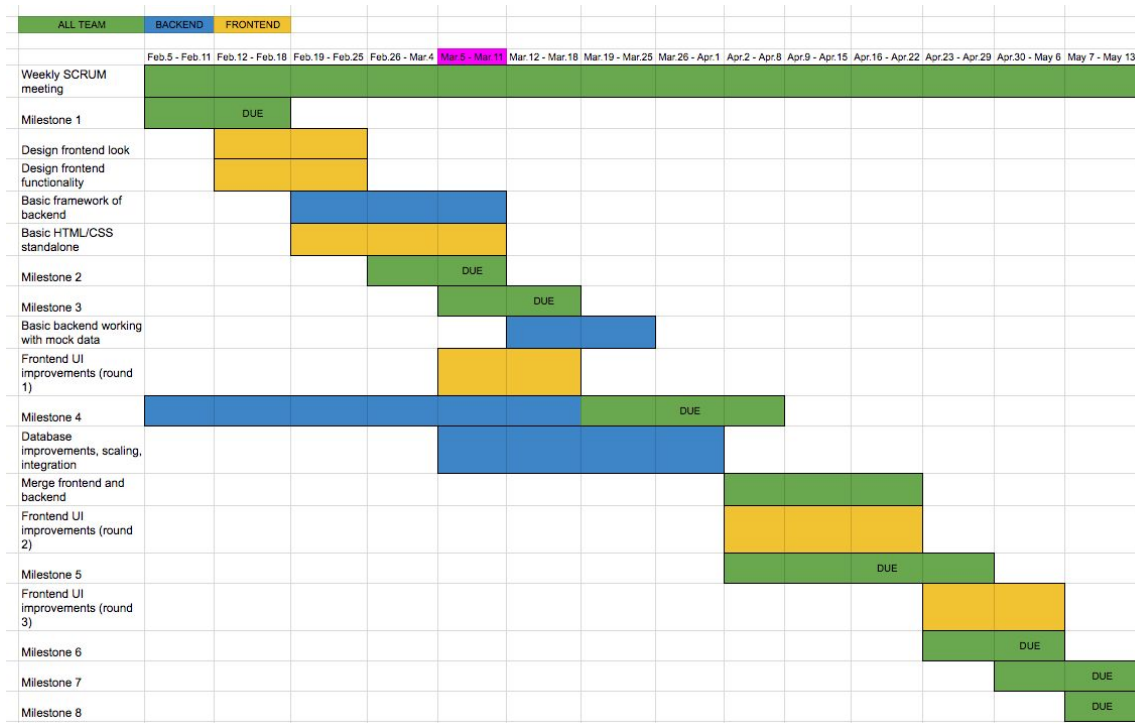Github Projects
https://github.com/kylepls/event-app/projects/2

Event App
Updated 8 minutes ago

5 To Do	4 In progress	5 Done
Milestone3-Individual Student Meetings and Project Demo Added by CephRL6	Milestone2-Project Tools & Agile Methodology Summary Added by CephRL6	Milestone1-Proposal Added by CephRL6
ⓘ Complete Front End #1 opened by kylepls	ⓘ Frontend UI improvements 1 #8 opened by CephRL6	ⓘ Design frontend look #3 opened by CephRL6
ⓘ Merge frontend and backend #12 opened by CephRL6	ⓘ Basic backend working with mock data #7 opened by CephRL6	ⓘ Design frontend functionality #4 opened by CephRL6
ⓘ Frontend UI improvements 2 #9 opened by CephRL6	ⓘ Database improvements, scaling, integration #11 opened by CephRL6	ⓘ Basic HTML/CSS standalone #6 opened by CephRL6
ⓘ Frontend UI improvements 3 #10 opened by CephRL6		ⓘ Basic framework of backend #5 opened by CephRL6

Timeline:

https://docs.google.com/spreadsheets/d/113VSI1tG4F5LXSiIzyII4p8hJG_a8_san8roatZ1sz0/edit?usp=sharing

Our timeline is a live, editable document used to track major and long-term updates. Major updates include any milestones, main features, and any subproject that requires all hands. The wider scope of the timeline is to divide work by groups without getting overwhelmed with increasingly granular detail as the overall project advances. This is separate from our project management tools in that the timeline is to be used strictly for larger features and does not track day to day work.

Task	Feb.5 - Feb.11	Feb.12 - Feb.18	Feb.19 - Feb.25	Feb.26 - Mar.4	Mar.5 - Mar.11	Mar.12 - Mar.18	Mar.19 - Mar.25	Mar.26 - Apr.1	Apr.2 - Apr.8	Apr.9 - Apr.15	Apr.16 - Apr.22	Apr.23 - Apr.29	Apr.30 - May 6	May 7 - May 13
ALL TEAM (green) / **BACKEND** (blue) / **FRONTEND** (yellow)														
Weekly SCRUM meeting	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM	ALL TEAM
Milestone 1	ALL TEAM	DUE												
Design frontend look		FRONTEND	FRONTEND											
Design frontend functionality		FRONTEND	FRONTEND											
Basic framework of backend			BACKEND	BACKEND	BACKEND									
Basic HTML/CSS standalone			FRONTEND	FRONTEND	FRONTEND									
Milestone 2				ALL TEAM	DUE									
Milestone 3					ALL TEAM	DUE								
Basic backend working with mock data						BACKEND	BACKEND							
Frontend UI improvements (round 1)						FRONTEND	FRONTEND							
Milestone 4	BACKEND	BACKEND	BACKEND	BACKEND	BACKEND	BACKEND	BACKEND	ALL TEAM DUE	ALL TEAM					
Database improvements, scaling, integration						BACKEND	BACKEND	BACKEND						
Merge frontend and backend									ALL TEAM	ALL TEAM	ALL TEAM			
Frontend UI improvements (round 2)									FRONTEND	FRONTEND	FRONTEND			
Milestone 5									ALL TEAM		DUE	ALL TEAM		
Frontend UI improvements (round 3)												FRONTEND	FRONTEND	
Milestone 6												ALL TEAM	DUE	
Milestone 7													ALL TEAM	DUE
Milestone 8														DUE

Project Requirements:

Functional Requirements:

Users should be able to search for events within a specified distance of themselves

Users should be able to submit their events for inclusion in our events database

Users should be able to further filter events based on a variety of other factors. Such factors include:

- Cost
- Time
- Type
- Availability of things such as food and drink

Users should be able to access and utilize our website from a variety of different devices

Non-functional Requirements:

Event submissions must be vetted by a verified user scheme before they are included in the database.

The app must be able to display an arbitrary number of events on a variety of different browsers.

The app must be able to quickly query the database in response to customizable user requests.

The app must be lightweight in terms of resource usage in order to allow for rapid changes in the type of information that users are requesting.

The app must incorporate a user system for event hosts to facilitate effective moderation of event submissions.

The storage of user information must be secure to prevent leaks of real world password usage information.

The database system must be able to handle queries related to an event's distance from an input location.

Agile Methodology:

This week we discussed the progress that both teams have made, the limiting factors that we are facing, and how, as a group, we want to approach moving forward. Firstly, the front-end team has created a base template for how the web page is going to look. We wanted to keep it minimalistic and simple yet professional and eye-grabbing. With that in mind, we have decided what information we want displayed on what page, trying to reduce the amount of clutter and description on the front page, leaving enough so the user can get a brief description of what each event displayed will entail and leaving the main description under the events actual page. Some hurdles that we have come across are the actual implementation of the back-end into the front end. We need to know how the information on each event will be stored so we can display it appropriately and efficiently. Along with that, we need to know what language the team will use to connect the front-end to the back-end, so we can start planning search queries accordingly. Lastly, we are still trying to tie bits and pieces together for the final touches on the front-end, but that will most likely come later.

For the back-end team, they have made great progress so far. The database started of being a large chunk of code that worked well but was hard to read through and had a little too much going on in it. They have since been able to cut down the code to roughly 250 lines making it easier to follow along to and work with. This was a huge step for the team, making the remaining work that we do much simpler and quicker. A few hurdles that they have run across are communication between team members. This is easily fixable and has not caused any significant problems yet and is not a main concern of the team. Secondly, the team is working on integrating the database into the back-end. This is the next step the team needs to take for us to move forward with the front-end and back-end. Lastly, the back-end team has been thinking of implementing a new programming language that everyone knows a little better. It will lead to less confusion down the line.

Throughout the meeting, we discussed a few general things that we think have been going well and a few that could be improved on. Firstly, diving the main team into two teams, one for the front-end and the other for the back-end, has proven to be extremely helpful. Trying to have every single person on the exact same page and making decisions on each aspect of our app would have been inefficient and time consuming. Now, we leave the major decision making to the entire group, but each specific implementation of something or minor decision with regards to each of the groups respective "specializations" is left to the sub-groups. Secondly, the back-end team is doing a great job staying ahead of schedule so any hurdle they come across can be given ample time to come to the best solution. One thing that the team needs to work on is communication within and between groups. We need to try harder to make sure everyone is up to speed on a weekly basis. We need to finalize a decision on what language we will use to connect the front-end and the back-end. This has been causing problems with how we want to implement search queries from the front-end.