

Lab 9

1: Team Number

Team Number 12-9

2: Team Name

JAM

3: Team Members

Mia Ray, Jessie Hsu, Jules Novoa, Julia Aronow, Makaela Fauber

4: Application Name

Bufs Bulletin

5: Application Description

Our application, Bufs Bulletin, will be a CU event-based scheduler for students. Our application will consist primarily of an interactive map where students can create, view, rate, comment on, and RSVP to events on campus. Students will be able to create different types of accounts (coordinator, attendee), which will be able to create and view events (respectively). Features on the map include the ability to click on and view an event, RSVP to an event, rate an event, comment on events, search for events, and see other participants at an event that they have rsvp'd to. In addition to the map, the application will have a 'user profile' page where users can send friend requests, update their user information, and logout.

Coordinator accounts should be linked to a specific group or club on campus, and each club should have a limited number of coordinators. This allows users to sort events by club, and prevents spam of coordinator accounts.

Users should be able to filter events by time, showing events in a specific time frame or period. Users should be able to hide the map, replacing it with a list of events. Coordinators (club leaders, etc) should be able to create events (including time, location, and description) and add them to the map. Participants cannot create or delete events, only RSVP to/comment/rate events, which causes events to appear on a custom map (my events) that users can toggle.

Time allowing, users should be able to send friend requests to other users, allowing them to view the 'my events' map for their friends' profiles.

Major Functionalities:

- An interactive map which can be scrolled, zoomed, and altered to add pins corresponding to events. (Mapbox?)
- Different types of users have different access to events

- Event Leaders can create/delete events and add to/remove from the map
- Event Participants can rate events, add notes, RSVP, and see all their events
- Event Participants are able to view other participants who have RSVP'd to the same events that they have.
- Specify specific time frames/locations to filter and organize events
 - Event participants are able to filter events to avoid schedule conflicts.
 - Participants are able to search for events by name/host/club
- Participants are able to view/toggle a specific map of just their events, where events that they haven't RSVP'd to are hidden.
 - Participants should be able to export their events to other apps (?)
- Participants are able to send friend requests to each other, which changes the filter to see their friends' events
 - Participants are able to send and approve friend requests
 - Participants are able to see the 'my events' map for their friends.

6: Audience

CU undergrad students, Club Leaders, Club Attendees, Students who would like to get more involved on campus.

7: Vision Statement

Buff's Bulletin is for CU students and organizers who need a better way to advertise events, or find events to attend on campus. This CU Boulder specific map uses the Mapbox API for a seamless experience. Unlike the campus map or Google maps, campus events can be shown all in one place. Instead of a bunch of hyperlinks to locations, users can simply pull up the map and see the events going on on a list and on a map.

8: Version Control

<https://github.com/miaraygithub/software-dev-group-12-9.git>

9: Development Methodology

We will use the agile methodology. Each week/sprint, we will **plan** the features/developments that we would like to complete in that given week, and as a team we will **design** these features together (during group meetings). Then, on our own each week, we will **develop** and **test** the features that we have been assigned, and make notes of any issues or problems that arise. In the next meeting, we will begin by going over our **deployment** and **review** the progress we have made so far, which should inform planning for the next week/sprint.

10: Communication Plan

We will communicate using the tool 'Discord'. All of us are on a single server, and we will use this as the primary method of discussing the project. In case of emergencies (needing to get in contact with someone urgently), we all have each other's phone numbers and can reach each other via those.

11: Meeting Plan

Team Meetings: We will meet with each other weekly on Tuesdays at 6:30 via Discord calls. This will allow us to share our screens and collaborate easily.

TA Meetings: We will meet with our TA Disha weekly on Wednesdays at 5PM via zoom (on Disha's Office Hours) to complete our SCRUM meetings.

12: Use Case Diagram

6 key features:

- Student and organizer driven event creation
- Visual map placement
- RSVP
- Sort by interest and times
- Export rsvp'd events
- Buff sign in
- Friend list function



https://lucid.app/lucidspark/77cac97d-432f-4a93-94cc-52fe1e10742f/edit?invitationId=inv_2dc3d80a-c5bc-4cb0-9c41-a09327909445

(Link for editing)

13: Wireframes:

