

Campus Event Map Application

Project Features List

Group 4 - Team Murphy's Law

Project Features:

Campus Event Map

Conveniently see all events that are occurring on the CU Boulder Campus with a map view with pins above event location. The view of events will change based on the current date.

Event Details

Clicking on an event will display its location, time, and event organizer. Will also give user option to follow the event by adding it to their "Favorites", RSVP, and have easy access to event details and updates.

Side Navigation Bar

A panel that can be accessed by pressing a button in the corner of the application. The panel will have navigation buttons to different pages of the application.

Event List Page

See a list of all events based on date, location, and department. These will include events with the engineering center, music department, Program Council, Arts and Theatre Department etc

Event Search Function

Be able to search and print out a list of events by either event name, organization name, location, or department

Event Application Process

The app will provide the application process to properly and orderly create events for any user on the service. They can customize their event, including description, when and where it occurs, how long it lasts, and how many times it will occur. When the event is approved, the creator is able to set exclusivity, send messages to participants, and cancel the event if they desire.

Notifications

The app will provide notifications which: tell the user upcoming events, notify the user when events to which they've RSVP'd that have been canceled, and alert the user of any event from a favorited org or department.

Campus Event Map - Requirement Specification

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Feature - Campus Map

Functional Requirements:

- Image of campus map will be displayed with pins representing the location of events on campus.
 - Users can select events on map which will bring up event details

Non-Functional Requirements:

- Javascript and jquery to run Event queries
- Google Map API

Feature - Event Details

Functional Requirements:

- Events listed with location, time, and event organizer visible
- Users can select an event and a new display will appear with full details (event name, date, time, description, location, and event organizer).

Non-Functional Requirements:

- Mysql database

Feature - Side Navigation Bar

Functional Requirements:

- User can see an icon in the top left corner that will open the side navigation bar.
- Navigation bar allows user to view and select between several views, including search, event map, event list, and event application.

Non-Functional Requirements:

- The view is only visible when the icon in the top left corner is selected, otherwise the object is hidden.
- Pressing a selection will navigate to the selected page.
- Once selection is made navigation bar is hidden.
- The navigation bar icon must be visible on all pages.

Feature-event list

Functional Requirements:

- This functionality will be used to see the events on a page as list.
- This requirement will satisfy users in a way that they can see the events happening with more details and scroll down to see more content.

Non-Functional

- This should show users the events happening.
- There is going to be an expandable list view for a better looking.
- The page has to be scrollable for showing more events on the page
- When a specific event is expanded it should display more details about the event like location, time etc.

Event Search Function - Will

Functional requirements

- Be able to search, filter, and display a list of events by either event name, organization name, location, tags, or department.
- Display results using the event list page, only some events are filtered and remaining events on page are prioritized.

Non-Functional requirements

- Access the event table of the database and parse every item using mysql, so only events that include certain keywords is returned. Then order the list of events by giving them an individual ranking.

Feature - Event Application Process

Functional Requirements:

- Form allowing user to apply for the creation of an event (MUST APPLY EACH TIME FOR AN EVENT, this application is not to give the user any privileges):
 - User must explain the event and verify that it actually exists
 - User can customize the following:
 - Title
 - Description (optional)
 - Date and time it begins
 - Duration
- After the application is approved, the user will gain access to the following options:
 - Set exclusivity (must be a member of the club, be a part of the dept (i.e. be a comp sci major), etc.)
 - Send messages to its participants in the form of notifications
 - The option to cancel the event (automatically sends a notification to participants)

Non-Functional Requirements:

- There will be two databases: one for pending events and the other for scheduled and approved events. Both will dynamically be changed as events get approved and occur.
- For both databases, there will be an entry with the following attributes:
 - Title (string)
 - Description (string)
 - Date (date)
 - TimeStart (time)
 - TimeEnd (time)
 - Exclusivity and to whom (boolean)
 - Canceled (boolean)

Feature - Application Notifications

Functional Requirements:

- User will be alerted with a push notification when the status of an event changes.
- User can set whether they would like notifications or not.
- Notifications will display short statements indicating status of event.

Non-Functional Requirements:

- Notification must only occur if they are enabled within the application.
- Notification must have accurate time and location of the event that is being updated.
- Notification must only occur once per status update
- Should send notification immediately after status update occurs.

Campus Event Plan - Project Plan

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Feature	Sequence	When (Sprint)	Who	Done?
Campus Event Map	First	11/1	Ege	No
Event Details (all back end)	First	11/1	Justin and Jack	No
Side Nav. Bar	First	11/7	Blake	No
Event List Page	First	11/7	Ben	No
Event Search Function	Later	11/22	Justin	No
Event Application Process	Later	11/22	Jack	No
Notifications	Later	11/22	Will	No