

MIT Event+

A student group event planner for MIT

1 Overview

1.1 Minimum Viable Product Description

In our minimum viable product, we aim to produce a basic system where student groups can:

1. create group accounts that can create and manage events
2. view a calendar of all events, and create/edit events via calendar.

We integrate this service with the ASA Group Database for authentication. Accounts can only be created if the email address exists in the ASA database as an officer mailing list. Additionally, the officer mailing list must confirm the account via email.

1.2 Final Product Description

The final product will implement additional features on the checklist of tasks needed to plan an event at MIT as well as improve upon existing features. We plan to create a smooth and user-friendly UI for each of the features included in our Minimum Viable Product. Possible additional features include:

1. Integration of MIT room reservation services.
2. Integration with Yelp or other food catering services to find and place orders.
3. AV equipment reservation.
4. Create and print posters, and draft emails for publicity.
1. MIT Events Calendar
 - a. any interest club/group event on MIT Events Calendar will show up in MIT Event+ as well

1.3 Key Design Challenges

1. How to authenticate MIT student group?
2. How to display all the events in an understandable manner?
3. Modularity: ensure extensibility of features to integrate with more services

2 Detail

2.1 Data Representation

Differences from Object Model

Omitting calendar object originally present in object model since only have one master calendar. Functionality of displaying events, detecting event collision, etc. will be abstracted to event and timeblock.

Integration with Other Services

Each integration feature will be represented as a separate object that belongs to each event (i.e. yelp catering will be managed by a FoodManager object, for example, etc.)

2.2 Key Design Decisions

Authentication

Use MIT ASA group emails to authenticate groups.

Event Display

Sort all of the events by number of estimated attendees, and display top 4 in the calendar view. This will tell the user the large events that are happening on a certain day.

Modularity

It should be simple to add in new features without affecting the other implemented features.