

MIT Event+

A student group event planner for MIT

1 Overview

1.1 Minimum Viable Product Description

In our minimum viable product, we aimed 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 integrated 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 implements additional features on the checklist of tasks needed to plan an event at MIT as well as improves upon existing features. We have create a smooth and user-friendly UI for each of the features included in our Minimum Viable Product. Additional features include:

1. Event planning checklist that streamlines the event planning process with an easy to use and customizable checklist, complete with auto-generated suggested checklist items.
2. Integration with Yelp or other food catering services to find and place orders.
3. Upload posters and draft/send emails for publicity.
4. 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

The user can see a large scale picture of how many events are happening on certain days and weeks as well as a day-to-day view. The day-to-day view provides a user friendly way for to fit new events into an already packed day of events.

Modularity

Each feature was easily added and can be edited without affecting the other implemented features.