

Features

Mandatory Extensions:

1. Multiple types of events.
 - a. Implemented the following Event types:
 - i. Talk (from Phase 1)
 1. Requires one speaker
 - ii. Panel (a panel discussion)
 1. Requires a least two speakers
 - iii. Networking (a networking session)
 1. Requires no speakers
2. Any Event can be canceled by any Organizer.
 - a. Implemented as a command found within the Organizer user menu
3. At least one more type of user
 - a. Implemented VipAttendee which extends Attendee.
 - b. Events can be created with a VIP-only restriction. Only VipAttendee users are able to signup for VIP-restricted events
 - c. VipAttendees otherwise have the same functionality as Attendees
4. Organizers can create any other type of user accounts in the program.
 - a. Implemented "register new account" command found within the Organizer user menu
 - b. The registration menu and "register new account" command share a helper View
5. Each event has a maximum number of people who can attend it.
 - a. Implemented capacity field for Events, set upon Event creation
 - b. Event's can only be created with a given location if that Location's capacity field is greater than or equal to the Event's capacity field
 - i. Attendees and VipAttendees can only signup for an Event while the Event's number of signups is less than the capacity of that Event's Location.

Optional & Choose Your Own Extensions:

1. Download Event schedule as HTML
 - a. Implemented as a command found within all Account user menus
 - b. HTML file formats the current Event schedule as a table. Each row represents a different event and each column represents a different Event field.
2. Additional constraints to Event creation
 - a. Implemented additional fields for Events including VIP-restriction, signup capacity, number of tables, number of chairs, and various technology requirements
 - b. Implemented fields for Locations matching the new Event fields
 - c. Event creation menu now requires Organizers to input specifications for the new Event fields and will display a suggested list of Locations that meet the Event's requirements
3. Support user Requests
 - a. Implemented Request Entity that store a string field represent the request, and boolean fields for marking Requests as "pending" and "resolved"
 - b. Organizer menu now includes commands to view list of all pending Requests, view list of all resolved Requests, and to mark a pending Request as resolved
 - c. Attendee and VipAttendee menus now include command to send a new Request
4. Contacts
 - a. Implemented contacts feature allowing users of all Account types to add other users as contacts
 - b. Each Account menu has commands to add a contact, remove a contact, and view a list of the current user's contacts
 - c. Implemented restrictions to messaging based on contact lists

- i. If an Attendee or VipAttendee (sender) wants to start a new Conversation with another Attendee or VipAttendee (recipient), the sender must first add the recipient as a contact. The recipient of that message can reply to the sender without having to add the sender added as a contact.
- ii. An Attendee can message an Organizer or Speaker without having to add them as a contact
- iii. Organizers and Speakers can message any user without having to add them as a contact
- d. Contact lists are asymmetrical i.e. user A may add user B as a contact without user B having to simultaneously add user A as a contact

5. Conversations

- a. Implemented Conversation feature to manage messages sent between users
- b. Conversations represent an ordered collection of all messages exchanged between two users
 - i. Every message will belong to a conversation
- c. All Account menus have command to access a specific number of messages from conversations shared with specified user