CZ2006 Lab Deliverable 1 - Ace It Group

Use case Id convention:
 GUxx: General User
 EOxx: Event Organizer
 EPxx: Event Participant
 POxx: Property Owner

Use Case 1.0 General Users

Use Case ID:	GU01
Use Case Name:	User account registration

Actor:	EventSG user
Description:	User registers an account on EventSG application if he/she does not have one
Preconditions:	
Postconditions:	User owns an EventSG account
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to create an account 2. The system requests the input of username, email and password 3. User inputs the requested information 4. The system checks the validity of input information 5. The system requests morel information such as birthday, phone number, occupation, organization, and interested event categories 6. User inputs the requested information 7. The system checks the validity of input information 8. The system generates an user account based on the input information and save it into database
Alternative Flows:	AF-S4: If the input username, email or password is invalid 1. The system displays "Invalid information." for 2 seconds 2. The system returns to step 3

	AF-S7: If the input information is invalid
	    3. The system displays "Invalid information." for 2 seconds
	    4. The system returns to step 5

Exceptions:	EX1: If the user has already created an account with the provided email address 1. The system displays "You have already created an account with this email address, please log in." for 2 seconds.
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	GU02
Use Case Name:	User account information modification

Actor:	EventSG user
Description:	User modifies his/her account information
Preconditions:	User has an EventSG account and has logged in
Postconditions:	The updated information will be stored in the system
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to edit account information 2. The system displays the user's original information and allows users to edit specific lines 3. User modifies his/her information 4. The system checks the validity of updated information 5. The system saves the updated information into database
Alternative Flows:	AF-S4: If the updated information is invalid

	1. The system displays "Invalid information, modification failed." for 2 seconds 2. The system returns to step 2
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case 2.0 Event Organizer

Use Case ID:	EO01
Use Case Name:	Create an Event

Actor:	EventSG user
Description:	An EventSG user can create an event on EventSG
Preconditions:	The user has an EventSG account
Postconditions:	The user successfully creates an event and posts it on the EventSG platform
Priority:	
Frequency of Use:	low
Flow of Events:	1. User clicks to the "Create an event" button in the control panel 2. User enters the event title 3. User enters the event date by selecting from the drop-down menu 4. User enters the event time by selecting from the drop-down menu 5. User enters the registration deadline by selecting from the drop-down menu

	6. User enters the organization's information, including the organizer's name and contact details 7. User may choose to enter the maximum number of registration allowed 8. User may choose to enter a description of the event 9. User enters the event location 10. User publish the event
Alternative Flows:	AF-S2 if the input is empty or exceeds maximum length allowed for the title section 1. The input is cleared 2. The system displays the message "The title must be text of at least one character and less than 128 characters" 3. The user starts from step 2 again. AF-S6 if the input is empty or exceeds maximum length allowed for the title section 4. The input is cleared 5. The system displays the message "The title must be text of at least one character and less than 128 characters" 6. The user starts from step 6 again.
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO02
Use Case Name:	Update an Event

Actor:	EventSG Users
Description:	After creating and publishing an event, the event organizer can choose to update event information
Preconditions:	1. The user has created and published an event 2. There is still 48 hours before the event begins

Postconditions:	1. Event organizers successfully update the event information 2. Users who have registered the event will receive a notification about the update
Priority:	Ok
Frequency of Use:	low
Flow of Events:	1. User goes to "My Profile" page, clicks on the "Events Created" tab, chooses the published event he wants to edit and then clicks on "Edit" button 2. User may modify the event details 3. User can then publish the event 4. The system includes the use case Send Notification to send notifications about the update to users who have registered for the event 5. The system includes the use case Close Registration so that event organizers can close the registration for an event before the deadline
Alternative Flows:	
Exceptions:	EX-S1 When there is less than 48 hours before the event starts 1. The system displays the message "You cannot modify the event any more because there is less than 48 hours before the event starts" EX-S1 When the user has modified the same event for 3 times, he may no longer modify this event 1. The system displays the message "You cannot modify this event any more because you have already modify it for 3 times. Users are not allowed to modify the same event for more than 3 times"
Includes:	1. Send Notification 2. Close Registration
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO02.1
Use Case Name:	Send Notification

Actor:	EventSG Users
Description:	When an event organizer updates the information of an upcoming event, the system would send notifications to all the users who have registered for the event
Preconditions:	1. The event organizer successfully updates the information of an event 2. There are users who have registered for the event
Postconditions:	1. Notifications are sent to all users who have registered the event
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO02.2
Use Case Name:	Close Registration

Actor:	EventSG Users

Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03
Use Case Name:	Rent vacant venues

Actor:	EventSG Users
Description:	EventSG users who are organizing events can rent event venues through EventSG platform
Preconditions:	1. The user wishes to organize an event
Postconditions:	1. The user successfully rents a venue 2. The venue rented is removed from the available venue listing
Priority:	
Frequency of Use:	
Flow of Events:	1. The system includes the use case Browse Vacant Venues so that the user can search and sort the vacant venue listing to find an appropriate venue

	2. The system includes the use case Key in Rental Details for users to provide all the necessary information to rent a venue 3. The user communicates with the property owner with the contact details provided on the platform 4. When the user and the property owner reach a consensus, the venue selected would be marked as rented. 5. The rented venue would be removed from the vacant venue listing by the system
Alternative Flows:	
Exceptions:	EX-S3 When there is no consensus reached, 1. All the previous input would be cleared 2. The user would go back to step 1 to look for other venues or exit
Includes:	1. Browse Vacant Venues 2. Key in Rental Details
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03.1
Use Case Name:	Key in Rental Details

Actor:	EventSG Users
Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	

Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03.2
Use Case Name:	Browse Vacant Venues

Actor:	EventSG Users
Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03.2.1
Use Case Name:	Filter vacant venues

Actor:	EventSG Users
Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03.2.2
Use Case Name:	Sort Vacant Venues

Actor:	EventSG Users
Description:	
Preconditions:	

Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO03.2.3
Use Case Name:	Search Vacant Venues

Actor:	EventSG Users
Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	

Assumptions:	
Notes and Issues:	

Use Case ID:	EO04
Use Case Name:	Rate Event Venues

Actor:	EventSG users who have rented a venue and hosted an event in the venue
Description:	Users who have rented a venue and hosted an event in the venue can provide ratings and reviews for the venue he rented
Preconditions:	1. The user has rented a venue and hosted an event in the venue 2. The user would like to provide rating and reviews for the venue
Postconditions:	1. The rating provided by the user is used for calculating the overall rating for the venue 2. The reviews provided by the user is displayed under the venue information
Priority:	
Frequency of Use:	
Flow of Events:	1. The system includes the use case Give Rating so that the user can provide ratings for the venue 2. The system includes the use case Write Reviews so that the user can provide reviews for the venue 3. When a new rating is provided by the user, the system would recalculate the overall rating for the venue 4. The system would update the overall rating for the venue for display 5. The system would display the review provided by the user under the venue information
Alternative Flows:	
Exceptions:	
Includes:	1. Give Rating 2. Write Reviews
Special Requirements:	
Assumptions:	

Notes and Issues:	

Use Case ID:	EO04.1
Use Case Name:	Give Rating

Actor:	EventSG Users
Description:	
Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO04.2
Use Case Name:	Write Reviews

Actor:	EventSG Users
Description:	

Preconditions:	
Postconditions:	
Priority:	Ok
Frequency of Use:	low
Flow of Events:	
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EO05
Use Case Name:	Check Event Related Data

Actor:	EventSG users, the system
Description:	Users who have published an event
Preconditions:	1. The user must have published an event
Postconditions:	
Priority:	
Frequency of Use:	
Flow of Events:	1. The event organizer can see the details of a person who has registered the event 2. The event organizer can see the number of people that have registered for the event 3. The event organizer can see the attendance rate of the event
Alternative Flows:	
Exceptions:	

Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case 3.0 Event Participants

Use Case ID:	EP01
Use Case Name:	View Events

Actor:	EventSG user
Description:	Users view events under certain constraints.
Preconditions:	
Postconditions:	
Priority:	
Frequency of Use:	Very high
Flow of Events:	1. If the user requests to search for an upcoming events, user inputs some keywords in the search bar 2. The system provides a list of events matching those keywords 3. User requests to filter the results by distance, categories or organisers 4. The system provides results under those constraints

Alternative Flows:	AF-S1: If the user wants to view all the events he registered
	   1. User requests to view registered events
	   2. The system provides the list of events user registered
	AF-S1: If the user wants view all the events organized by a certain organizer
	   1. User requests to view the events organized by an organizer
	   2. The system provides all events organized by that organizer
	AF-S1: If the user wants to view recommended events
	   1. User requests to view recommended events
	   2. The system provides a list of recommended events

Exceptions:	EX1: If the system cannot find any results under certain constraints 1. The system displays "No events found."
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EP02
Use Case Name:	Save Events

Actor:	EventSG user
Description:	User save event
Preconditions:	The event has not been saved by the user.
Postconditions:	The event is added to the user's saved list.
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to save the event 2. The system adds the event to user's saved list 3. The system displays "Saving succeed" 4. The system displays "Saved" sign on that event
Alternative Flows:	AF-S2 If the event has already been saved 2. The system displays "Event saved already"
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	

Notes and Issues:	

Use Case ID:	EP03
Use Case Name:	Remove Events from Saved List

Actor:	EventSG user
Description:	User removes events from his saved events list
Preconditions:	The event has been by the user.
Postconditions:	The event is removed from the user's saved list.
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to remove a saved event 2. The system displays "Are you sure to remove that event?" and "yes", "no" buttons 3. User chooses "yes" 4. The system removes the events from user's saved events list 5. The system displays "Removed!" 6. The system removes "Saved" sign on that event
Alternative Flows:	AF-S3 If the user chooses "No" 3. The system goes back to the previous state
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EP04
Use Case Name:	Register for an Event

Actor:	EventSG user
Description:	User registers for an event
Preconditions:	The event has not been registered by the user.
Postconditions:	The event is registered by the user.
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to register for the event 2. The system requests user's personal information 3. User inputs his personal information 4. The system adds the event to user's registered list 5. The system displays "Registration succeed" 6. The system displays "Registered" sign on that event
Alternative Flows:	AF-S2 If the event has already been saved 2. The system displays "Event registered already"
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EP05
Use Case Name:	Cancel Registration

Actor:	EventSG user
Description:	User cancel the registration of an event
Preconditions:	The event has been registered by the user.
Postconditions:	The registration is canceled.
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to cancel the registration of an event 2. The system displays "Are you sure to cancel the registration?" and "yes", "no" buttons 3. User chooses "yes" 4. The system removes the events from user's registered events list 5. The system displays "Registration cancelled" 6. The system removes "Registered" sign on that event
Alternative Flows:	AF-S3 If the user chooses "no" 3. The system goes back to the previous state
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EP06
Use Case Name:	Take Attendance at an Event

Actor:	EventSG user
Description:	User takes attendance at an event
Preconditions:	User has registered for that event and the event starts at that moment.
Postconditions:	
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to take attendance 2. The system checks whether the user has registered and the event has started If it is true, the system allows user's request 3. The system saves the attendance record 4. The system displays "Your attendance is taken successfully!"
Alternative Flows:	AF-S3 If the event hasn't started 　3. The system displays "You are not allowed to take attendance now. Event hasn't started" AF-S3 If the event is ended 　3. The system displays "You are not allowed to take attendance now. Event ended"
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	EP07

Use Case Name:	Rate and Write Review for an Event

Actor:	EventSG user
Description:	User gives rate and write review for an event
Preconditions:	User has registered and taken attendance at the event.
Postconditions:	
Priority:	
Frequency of Use:	
Flow of Events:	1. User requests to rate and write review for an event that he 2. The system checks whether the user has registered and taken attendance at that event If it is true, the system allows user's request 3. User gives the rate and type in the review 4. The system saves the rating and review record 5. The system displays "Succeed"
Alternative Flows:	AF-S3 If the condition is not satisfied 3. The system displays "You haven't participated in this event"
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case 4.0 Property Owners

Use Case ID:	PO01
Use Case Name:	Upload available properties

Actor:	Property Owners
Description:	Property owner lists his/her available property for renting
Preconditions:	
Postconditions:	Property owner will have a new listed property on EventSG and the property information is saved into database
Priority:	
Frequency of Use:	
Flow of Events:	1. Property owner requests to upload an available property for renting 2. The system requests input information from the property owner, such as location, capacity, available period and rental fee 3. Property owners input requested information 4. The system checks validity of input information 5. The system saves property information
Alternative Flows:	AF-S4: If the input information is invalid 1. The system displays "Invalid information." for 2 seconds 2. The system returns to step 3
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	PO02
Use Case Name:	Remove a listed property

Actor:	Property Owners
Description:	Property owner removes a property from his/her listed properties

Preconditions:	Property owner must have at least one property listed and he/she has logged in
Postconditions:	
Priority:	
Frequency of Use:	
Flow of Events:	1. Property owner requests to remove one of his/her listed properties 2. The system check if the property is currently booked 3. If the status of the property is "available", the system removes the property from the owner's property list
Alternative Flows:	AF-S3: If the status of the property is "booked" 1. The system displays "You cannot remove it now because it is currently booked."
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	PO03
Use Case Name:	Modify property information

Actor:	Property Owners
Description:	Property owner can edit details of his/her listed properties
Preconditions:	Property owner must have at least one property listed and he/she has logged in
Postconditions:	The information about the property is updated and saved into database
Priority:	
Frequency of Use:	
Flow of Events:	1. Property owner requests to edit information of a property

	2. The system displays the property's original information and allows users to edit specific lines 3. User modifies property information 4. The system checks the validity of updated information 5. The system saves the updated information into database

Alternative Flows:	AF-S4: If the updated information is invalid
	    1. The system displays "Invalid information." for 2 seconds
	    2. Return to step 3
	
	AF-S5: If the property is currently booked
	    1. The system sends a notification to the user who booked it

Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	