PROJECT MERRYMEETING EVENT ORGANIZERS

Statement of the problem

Existing System

MerryMeeting maintains details about all the venues that can be booked for an event in the Venues register. These details include the name of a venue, its address, the city and the state in which it is located, the area zip code, the number of attendees that can be accommodated at the venue, the rent applicable (per day), the name of the contact person concerned, and the contact number and e-mail address of the contact person.

Corporate clients approach the representatives of the Customer Care division of MerryMeeting to register an event. Event registration at MerryMeeting is accomplished by filling a registration form to capture the details of a company including any other event-specific information.

After a client provides the required details, a representative of the Customer Care division accepts the form. The representative checks the *Events* register to verify whether the preferred venue is available for the specified dates. The representative also calculates the total estimated cost for the event and communicates the availability status and the estimated cost to the client. After receiving a confirmation from the client, details about the event are entered in the *Events* register. The representative collects 50 percent of the total rent payable for the venue as an advance payment.

In addition to registering events, representatives of the Customer Care division are responsible for making arrangements for people attending events such as technical seminars and product launch. The event registration for the attendees is accomplished by filling the attendee registration form. The form is used to capture attendee information, such as the name, address, contact number, and e-mail address of an attendee, and event details. The registration can be free or involve some cost depending on the organizer's choice. An attendee receives a confirmation about the registration for an event from the representative of the Customer Care division.

Envisioned System

To enhance the current business environment and address customer needs in an effective way, the management of MerryMeeting has decided to automate the process of event and attendee registration.

The new system should accomplish the following functions:

- The system should maintain a list of users along with their passwords.
- It should provide a logon screen for the representatives of the Customer Care division. The logon screen should accept a user name and a password and validate the details against the Users table.
- It should provide a screen for accepting and modifying the venue details from a user. The details to be accepted include the name of a venue, its address, the city and the state in which it is located, the area zip code, the number of

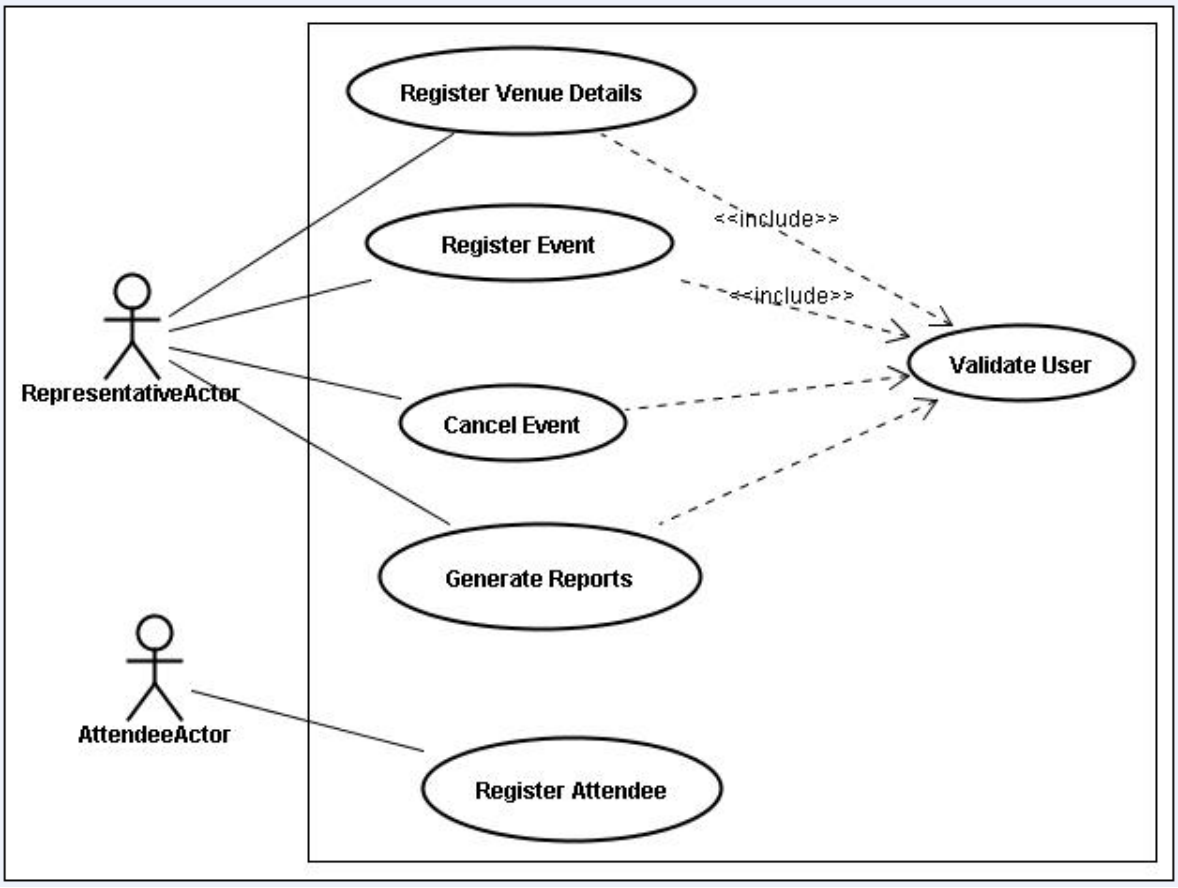
attendees that can be accommodated at the venue, the rent applicable, the name of the contact person concerned, and the contact number and e-mail address of the contact person. A user should not be allowed to modify the venue ID.

- It should provide a screen for accepting event details. A user should be allowed to select a venue. When a user specifies event dates, the system should verify whether the venue is available for the specified dates. The event should be registered and details about the event should be added to the database only if the venue is available for the specified dates. Based on the venue selected by the user and the event duration specified by the user, the total rent for the event should be displayed and the advance amount should be calculated as 50 percent of the total rent. A user may change the advance amount. The system should verify whether the amount entered by a user is greater than 50 percent of the total rent.
- The system should provide an option for canceling an event. A customer should be allowed to cancel an event five days before the date of the event.
- The new system should generate the Daily Event Registrations report and the Event Attendee list in the formats specified.
- An affiliate program needs to be created for displaying a list of upcoming events. This program should be developed in such a way that it can be easily integrated with other Web- and Windows-based applications.
- A Web-based interface needs to be created for accepting details about the attendees for an event. This interface should display a list of upcoming events by using the affiliate program created. When a user clicks the **Register** button for a particular event, the attendee registration form should be displayed. This form should accept details such as the name, address, contact number, and email address of an attendee, event details, and a person's reason for attending the event.

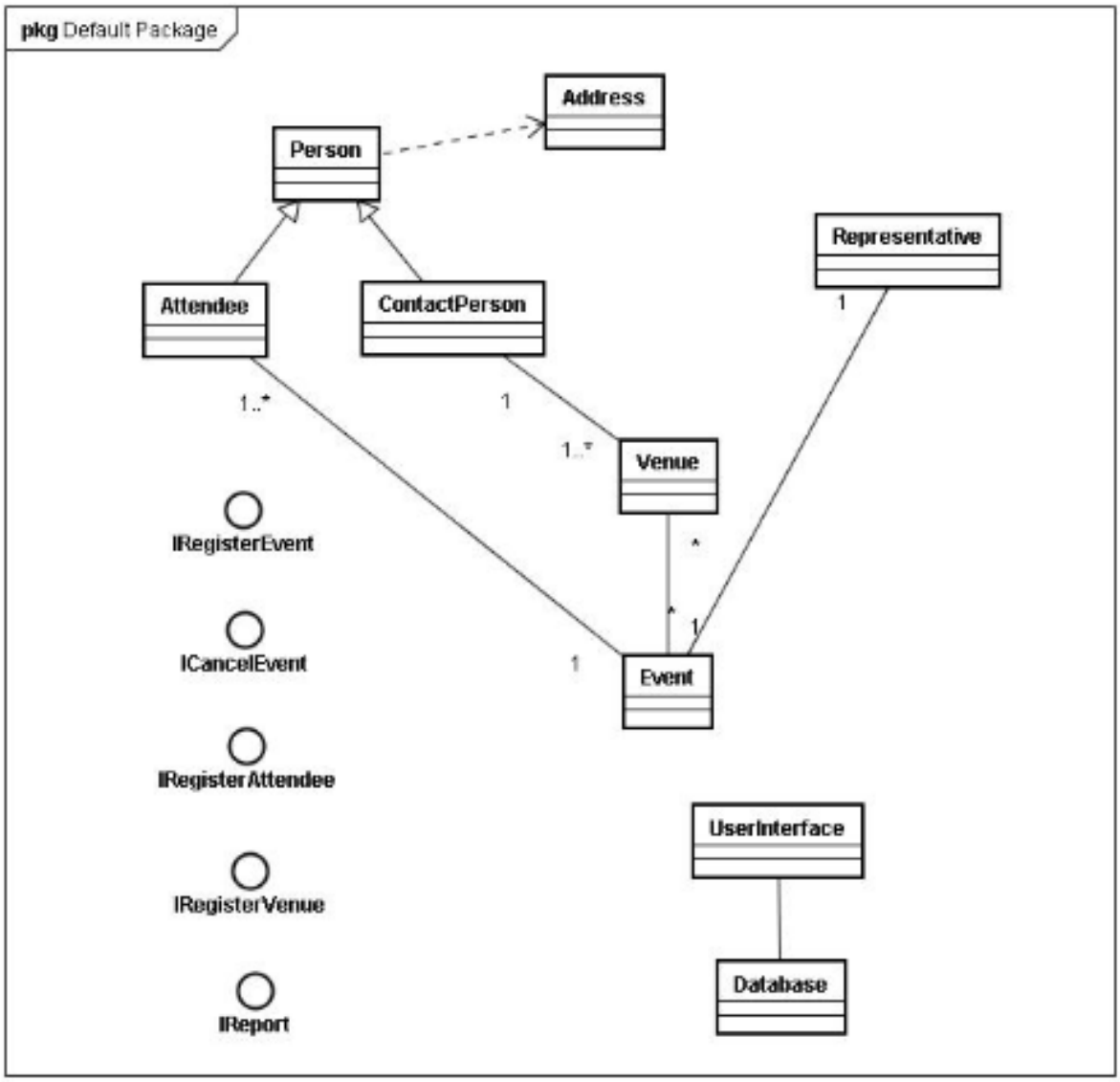
In addition to the above functions, the representatives of the Customer Care division need to send the details about the upcoming events to owners of venues so that appropriate arrangements can be made for events. To facilitate this, the system should provide a Windows-based interface for accepting the venue ID, the start date, and the end date. When a user clicks the Convert button, the details about the upcoming events for the specified venue should be retrieved from the database and converted into a platform-independent format.

Solution in UML

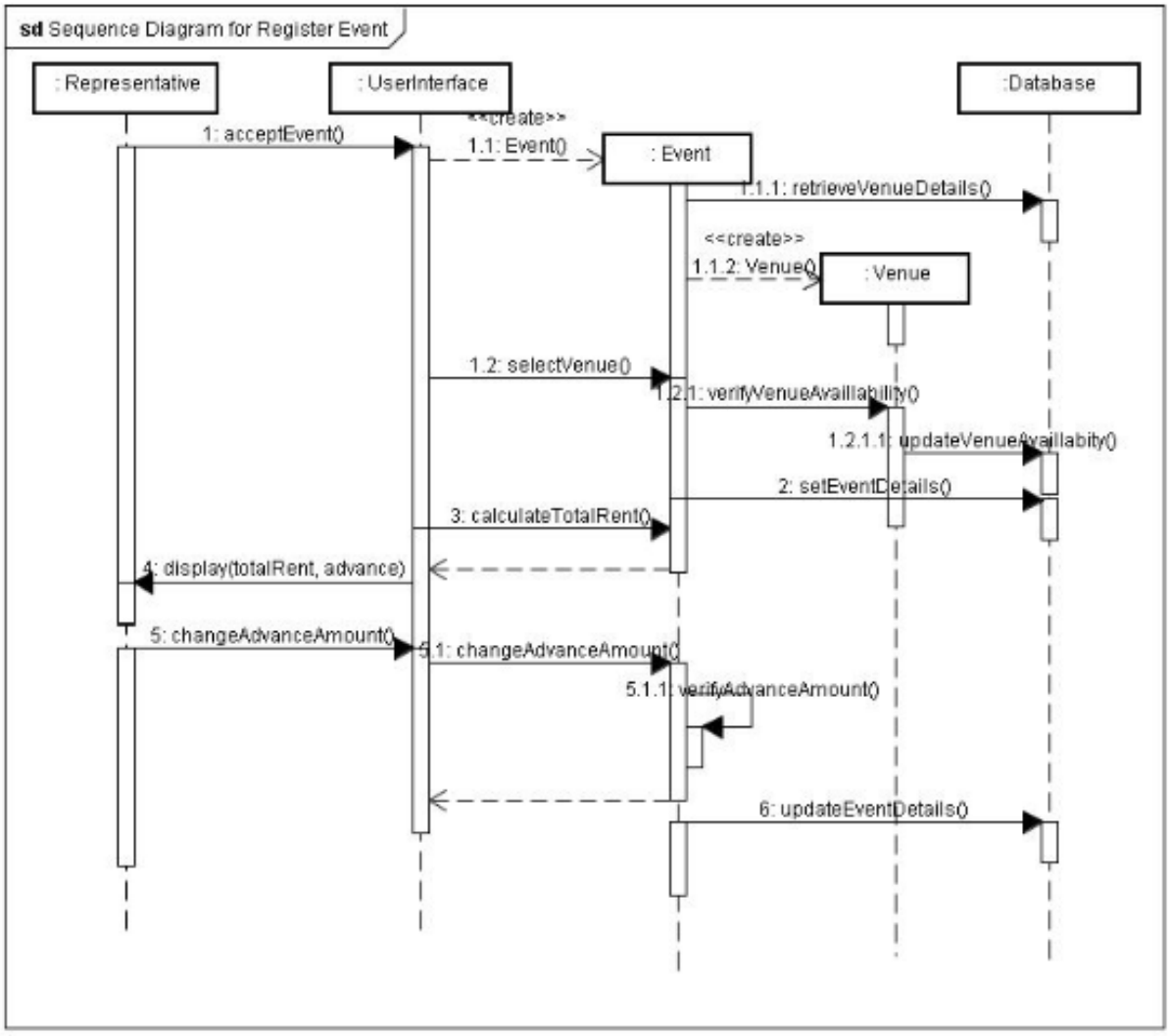
Use case diagram



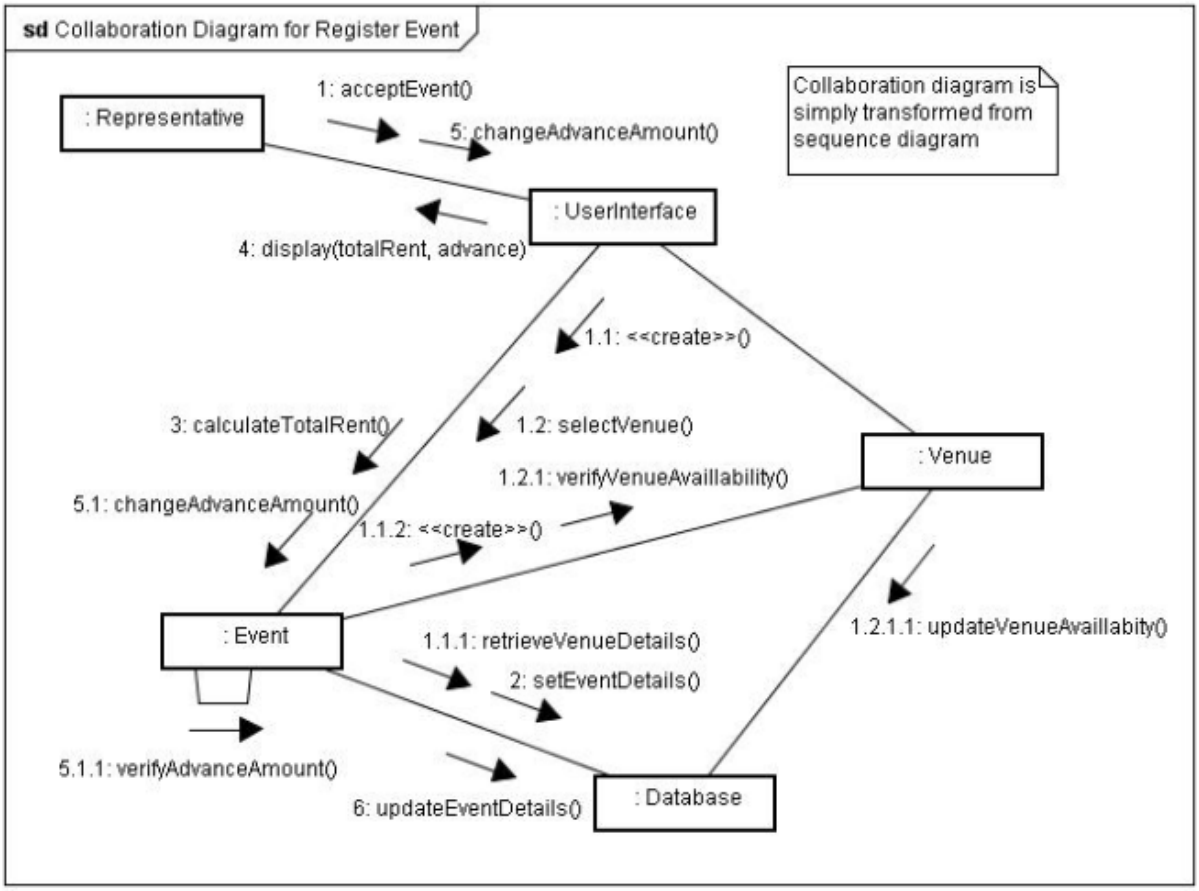
Class diagram



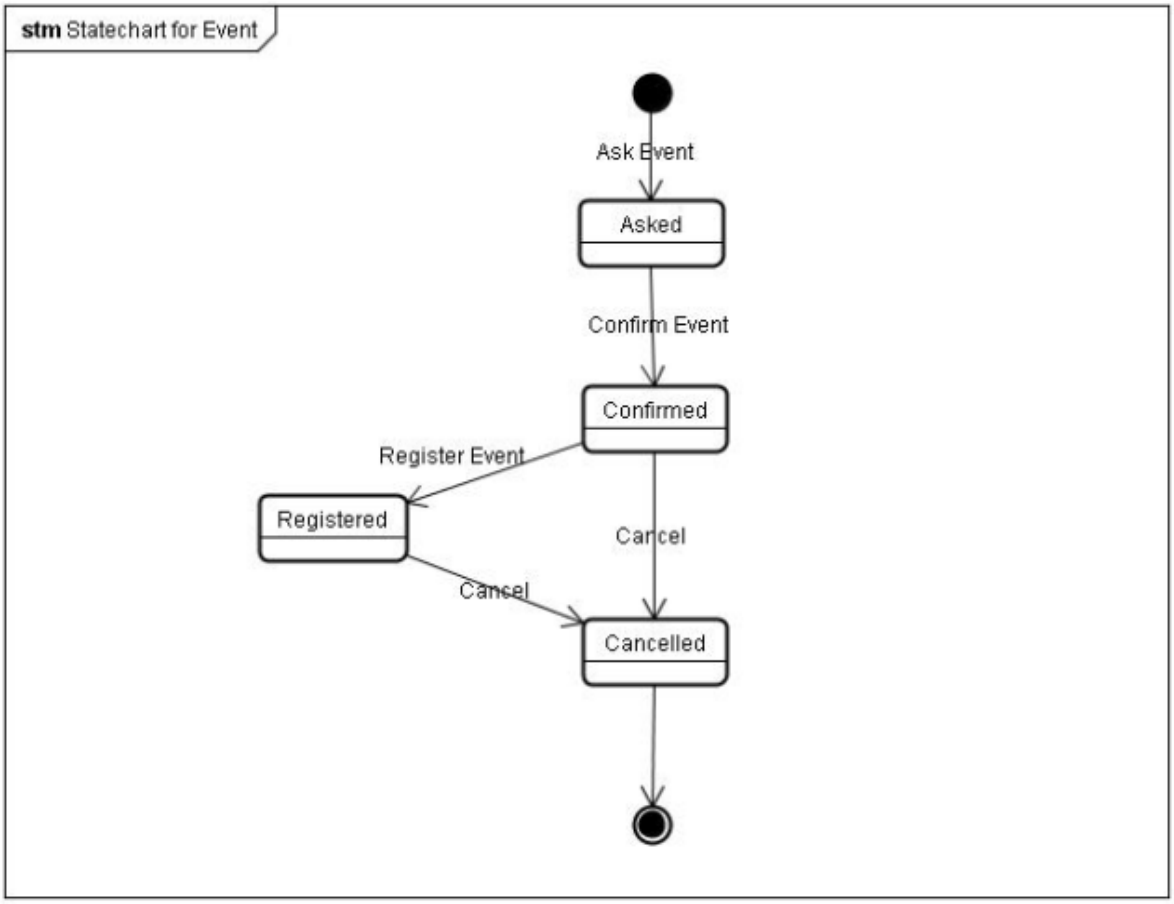
Sequence diagram



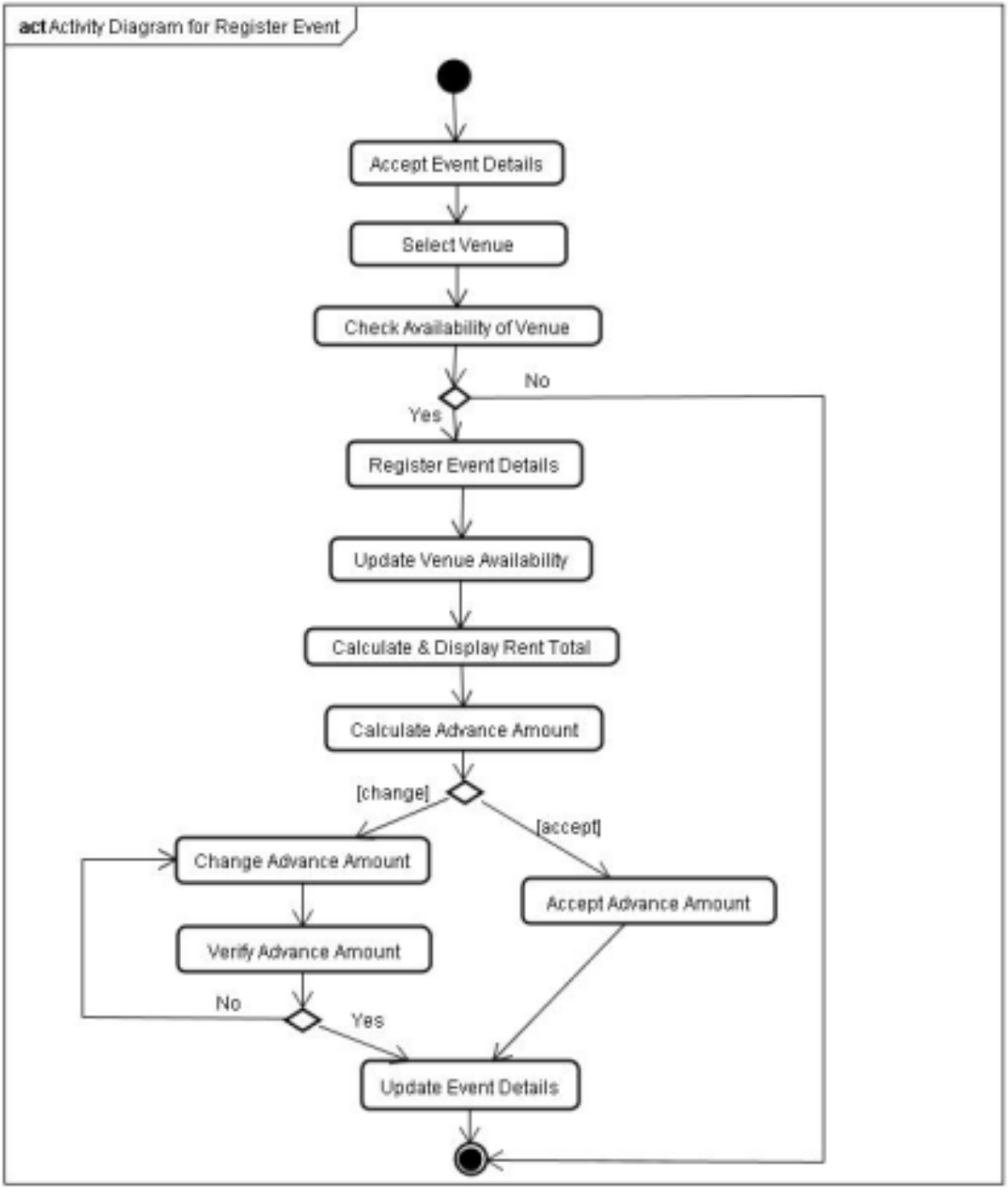
Collaboration diagram



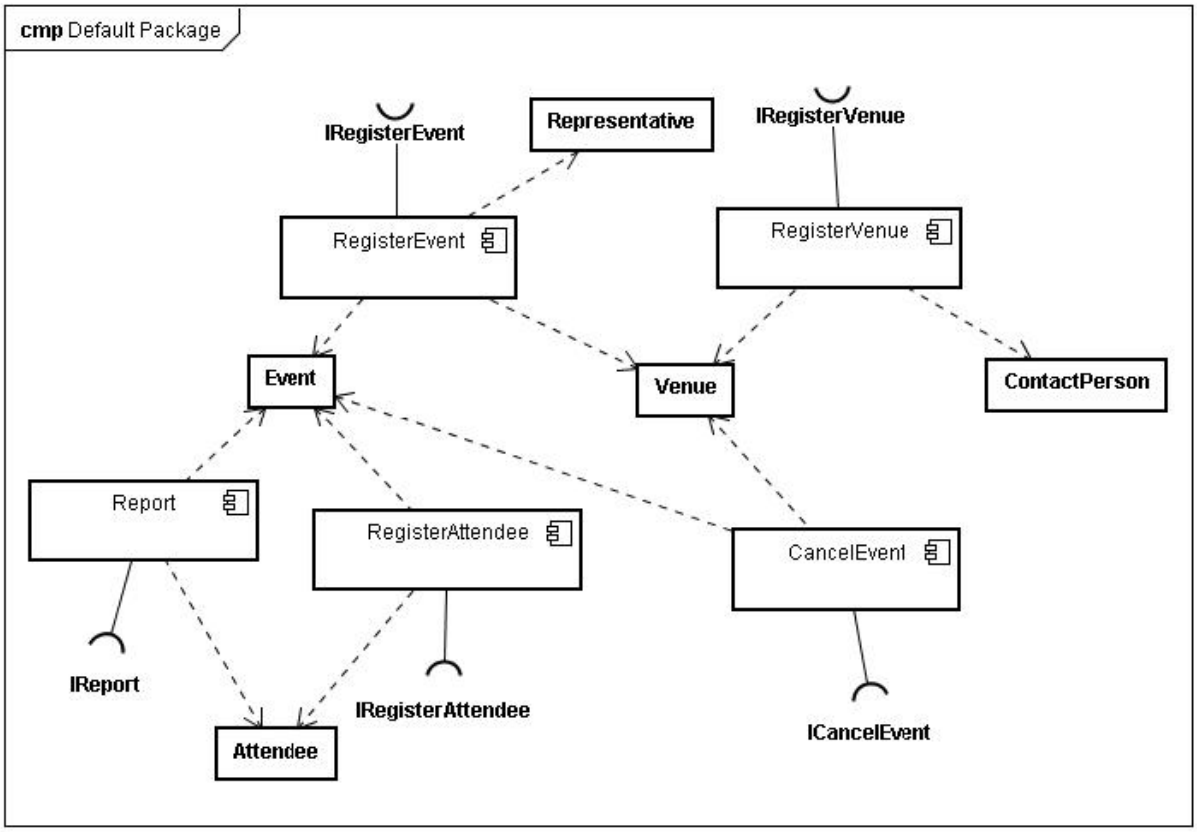
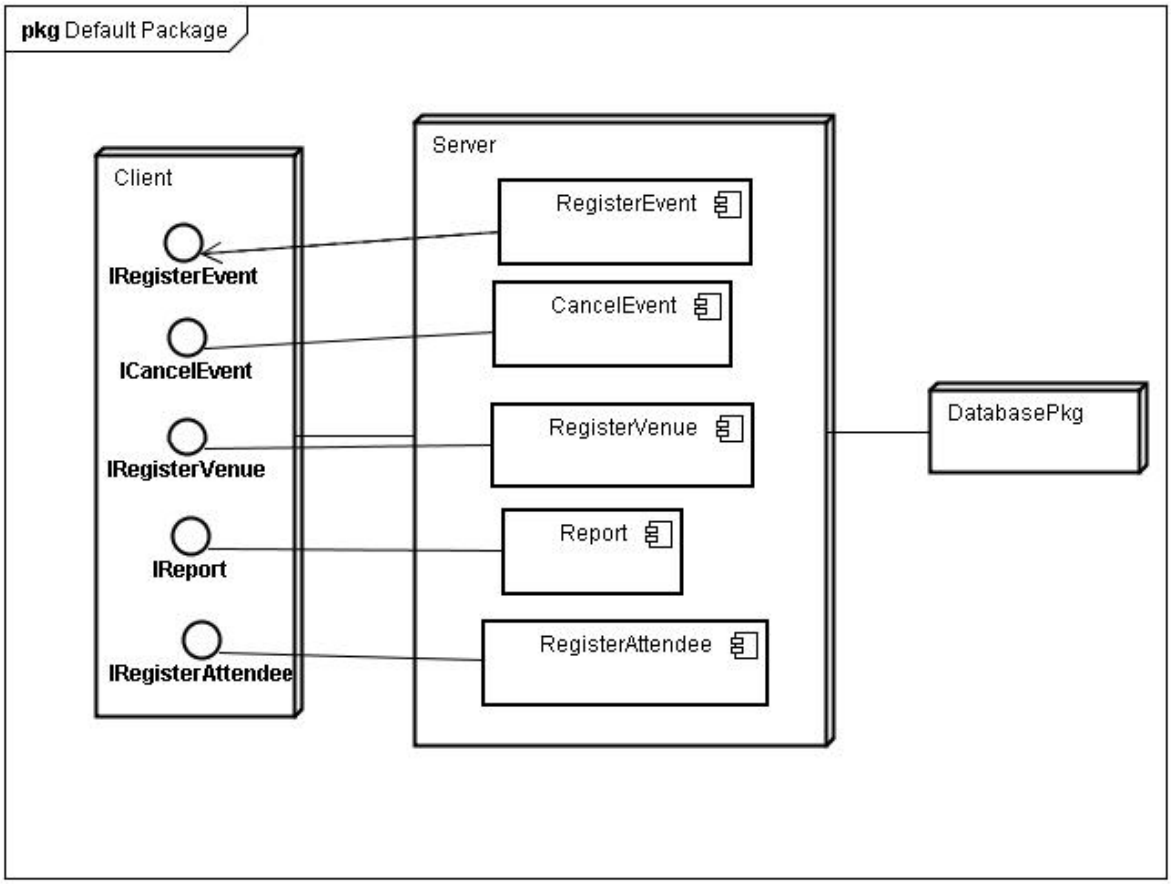
State diagram



Activity diagram



Component diagram



Deployment diagram