

FESTIVAL EVENT REGISTRATION SYSTEM

Project Title

Festival Event Registration System

Objective

Making a web application which helps in organizing and managing events more efficiently and smoothly.

Undertaken by

Navya Biju Jose
844996

Supervised by

Naveen Kumar

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ABSTRACT

Our main aim of this project is to make and provide an ideal software solution to register events, to unregister events, update user information, to protect user data and to save the valuable time of the user. Registration System as a kind of management information system cannot only record the information for user registration quickly and efficiently, but also do statistics on the users' basic information, registration information, and payment information and give results of the analysis. Registration phase is an unavoidable part in every event around us.

The main purpose of festival event registration system is to provide a platform for the users to register and view the information about the events which are about to take place. Firstly the user, need to register to the website. After the registration process is completed each one of them gets a password and login ids. With these two they can access their account and for any query they can contact the administrator by sending a mail. The system allows only registered users to login and new users are allowed to register on the website.

They can first register into the website and see through the information such as details about the events like the venue, theme of the event, participants, etc. The registered candidate's information are recorded and stored in database. The user can login to see his/her profile and update the information, delete any unwanted data, arrange the information accordingly so that the user can go through a user friendly and know all the whereabouts of their events in the festival.

INTRODUCTION

Event management is one of the most rapidly growing majors in the country since events started to play a vital role in our society. Individuals often find they lack the expertise and time to plan themselves. In the present world planning and executing the events requires a lot of patience and hustle bustle. Each decision is to be made carefully after considering the factors.

This project performs the task of developing a web application that enables the users to register the data very easily. This project brings the entire manual process of event management web based which is built using Java, Jsp, html5, JavaScript, css3 as front end and MySQL, HQL, hibernate, springMVC as a backend. The main purpose of this project is to simplify the process of handling each event by providing a web interface for admin and user. The admin part consists of multiple modules where admin or the authorized person needs to register the event by adding the type of event. User interface consist of viewing and getting registered for the event of their choice, pay the event activity fees if applicable and can view all the registered events.

Festival Event Registration System (FERS) is a web based application that supports online. Development of FERS is an attempt to address the problems of managing registration forms. The main goal of this software is to give working solution to store, manage and consolidate the registration data.

LITERATURE SURVEY

We have studied several papers based on event management system. First paper named as “Smart Event Management System” which is published by Assistant Prof. Khalil Pinjari and Khan Nur. This paper introduced a system which will be computerized and has been developed using advanced language. It was a web application. Now a day’s, the events such as festivals, wedding etc. have become a core part of life which has resulted in event planning and Management Company to rise. With the customers and events increasing at larger rate, it is difficult to manage using traditional system using spreadsheets, traditional database and more. In order to overcome the drawbacks of traditional Event Managing System, a new Smart Event Management System has been introduced which uses the modern technology of .Net Framework for managing various tasks and planning for employees, customer, location, transport and more.

Second paper which we have studied is named as “Event Management System”. The main idea of this paper is used to maintain the College Event information and organize the event and to send the Student Registration time through sums with verification code to the student using mobile application based on Android App. The tools constitute Android SDK development, Java.

REQUIREMENT SPECIFICATION

Software Requirement Specification:

This Software Requirements Specification (SRS) document is intended to give a complete overview of Festival Event Registration System Project (working title), including the user interface and Event organization. The SRS document details all features upon which FERS have currently decided with reference to the manner and importance of their implementation.

Product Perspective:

This product and application is newer which provides the user a new utility in their role as a visitor. The people should register in the page so that they can log in to the page. The users who will use this application, they will get the details of the upcoming technical events by just logging to the application and checking out the events and getting registered to the events.

Product Features:

Functionality:

The invention satisfies the foregoing needs and avoids the drawbacks and limitations and frustrations of the prior art, and provides a better, more timely and effective process of communication to schedule and coordinate events by utilizing Internet-based application.

This product contains three major Users. First the admin will allow the user for accessing this application by giving the permission rights and access control. Second the Event organizers who will login and list the events in the database. And third The End User i.e. visitor, they can see the list of the events and get register to the required events.

Users and Characteristic:

Admin: The Admin will have all the access to this product. The Admin will provide the access permission to the users which are students and Colleges. The admin can also delete or discard the unwanted events reported as spam. They also manage the database like deleting the past events.

Event: The list of all the available events will be provide and the place where the event i held will be given. When the visitor wants to register to the required events he will provide with the available seats in the events.

Visitor: The visitor are the end-user entity, they will be having the access rights to see the event format. And register their new account providing their basic details.

Other Non-Functional Requirements:

Performance Requirements:

The system needs to be reliable. If unable to process the request then appropriate error message. Webpages are loaded within few seconds.

Safety Requirements:

The details need to be maintained properly. Users must be authenticated. The database must be kept backed up.

Security Requirements:

After entering the password and user id the user can access the profile.

The details of user must be safe and secure. Sharing the details.

Hardware & Software Requirements:

- Programming language: Java
- Front-End: Html5, CSS3, JavaScript, JSP, Junit
- Databases: MySQL Server
- OS: Windows XP
- Browser: Internet Explorer, Chrome
- Web Server: Apache Tomcat 8
- Tools: Eclipse, STS
- Framework: Hibernate with spring MVC, HQL

ARCHITECTURE DESIGN

Project Modules:

The FERS is used to register events and its management. This system contains 5 modules.

Registration: Visitors can register online for taking part in events of the festival.

Login: The user who has already registered can login by giving user name and password as parameters.

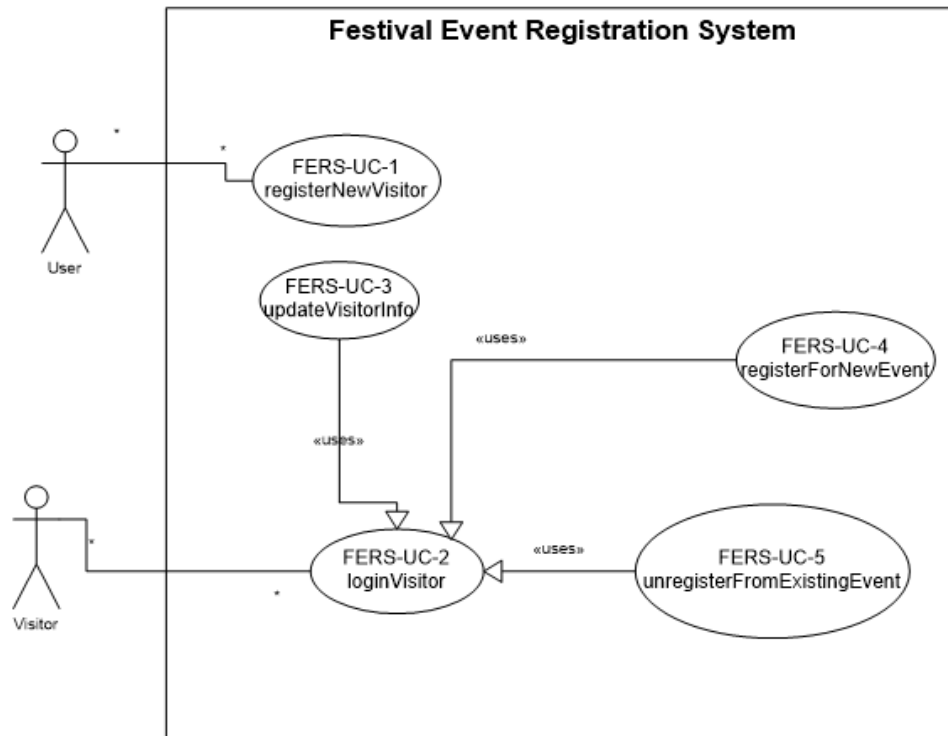
Update: The user can update their information. Correspondingly the details are updated in database.

Change password also present in this module. For changing the password we are giving the username, new password as parameters.

Event Registration: Participants can register into events from event catalog.

Event Deregistration: Participants can unregister from events in the event catalog. The events that user already registered but want to unregister it then he can click on *cancel tickets* link and can unregister the events.

Use Case Diagram

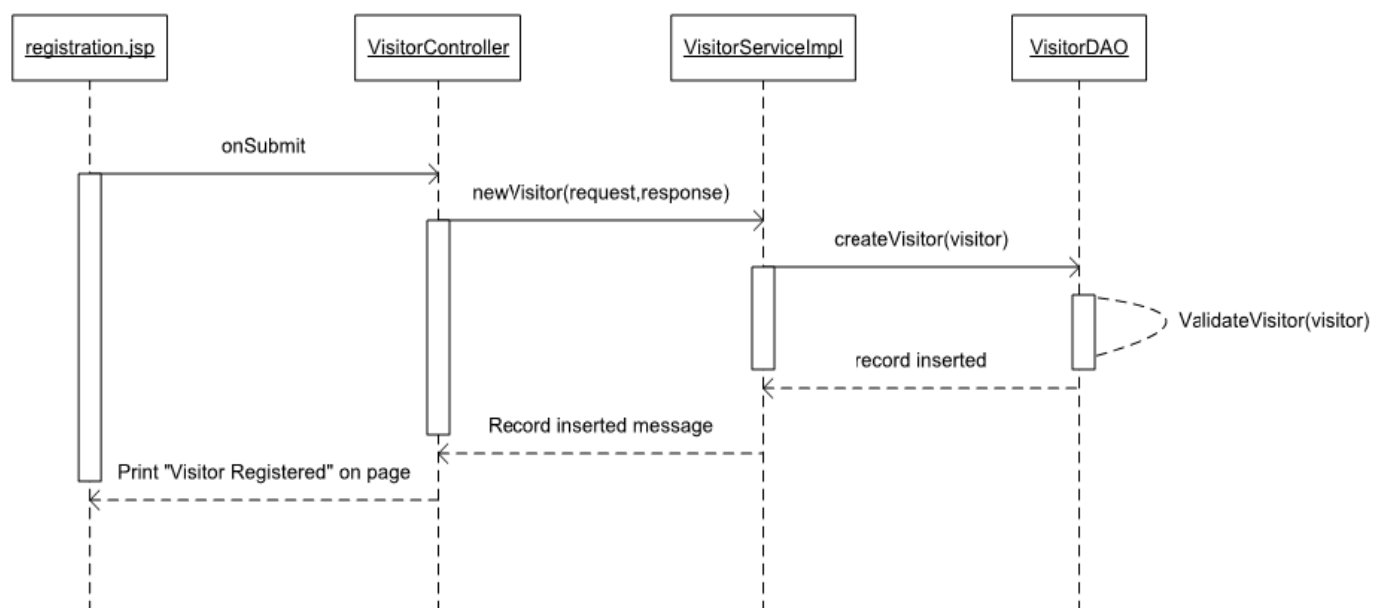


Registration Module

In registration.jsp we are giving some attribute values that new user has to register. It includes user's firstname, lastname, username, password, confirm password, phone number, email and address. After clicking on submit the control will go to controller and the values inserted are assigned to the parameters defined in the visitor entity class. After the control goes to controller, we are calling a function to register the details. Then the flow goes to visitor service it is an interface class from there it goes to visitor service implementation class then to visitor Dao and from there to visitor Dao implementation class.

In Visitor Dao implementation we are defining the function and we are checking if the user already registered with the help of username and if the user not registered yet registering the details and entering the values to database. Otherwise provide a message that the user registered already.

Register Visitor

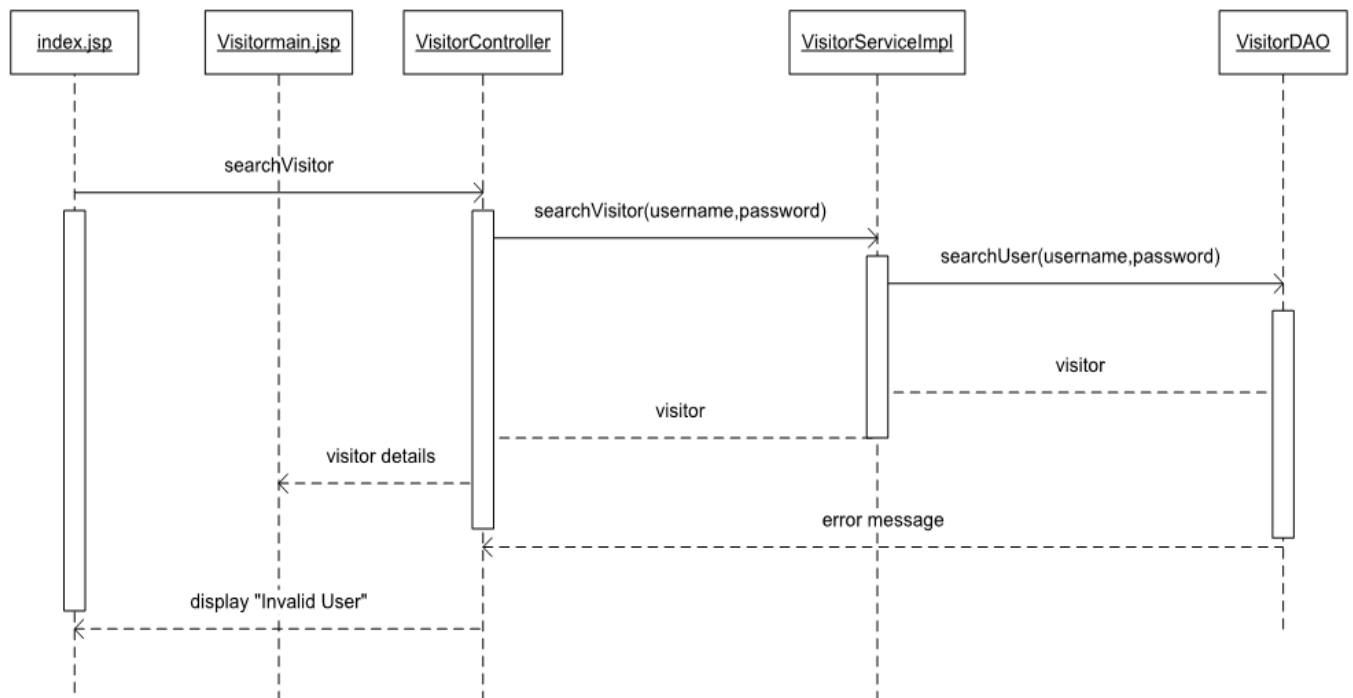


Login Module

In login.jsp we are giving username and password values as parameters. Here the flow will go from visitorcontroller->visitorservice->visitorserviceimpl->visitordao->visitordaoimpl. In visitordaoimpl we are checking that the username is present in database using a criteria method in hibernate because username is unique. If username is present in the database then retrieve that row from visitor and return it. Also all the events present in the event table is presenting on the

main page and retrieving the user registered events from the table and printing it separately. Then the retrieved data will be presented in the main page.

Login Visitor

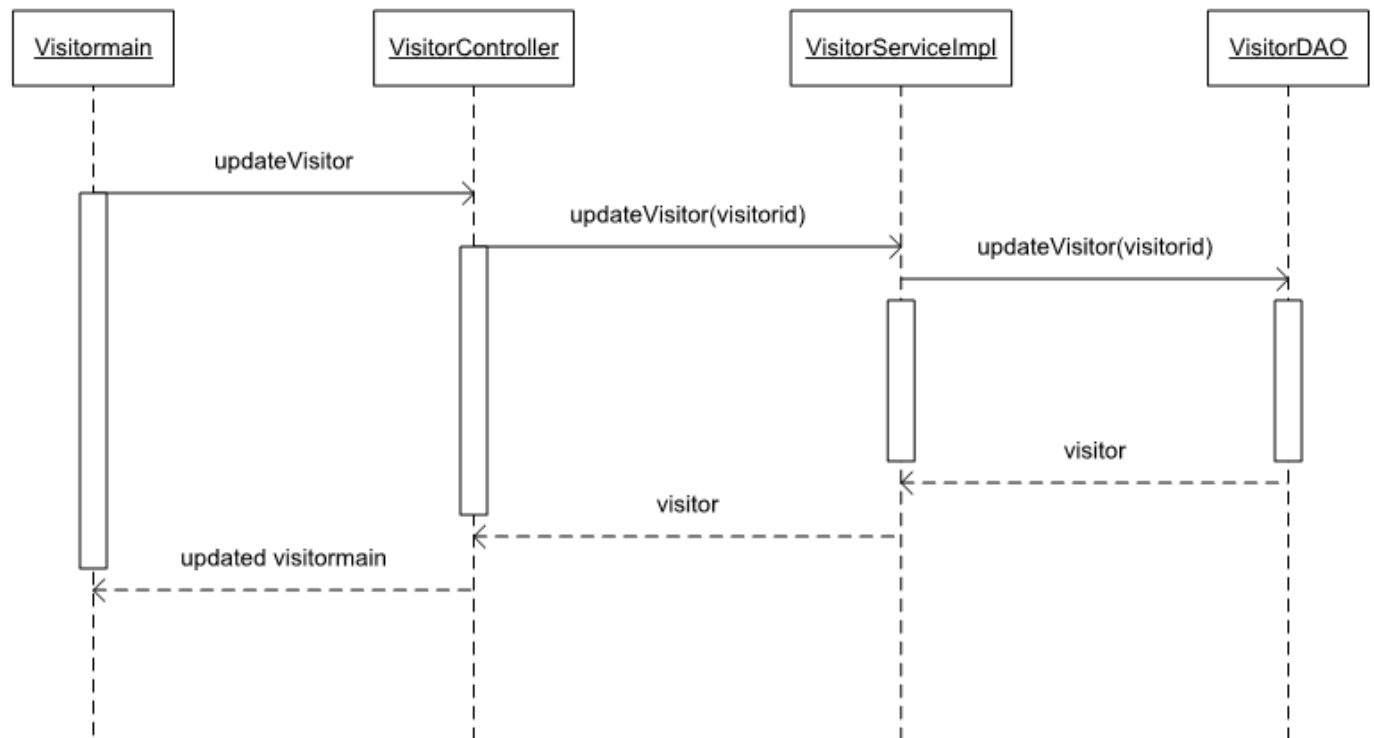


Update Module

In `main-form.jsp` there is a link called `update_details`. By clicking on it, we can update the user details. Here the flow will go from `visitorcontroller` -> `visitorservice` -> `visitorserviceimpl` -> `visitordao` -> `visitordaoimpl`. We are passing `username` as a parameter with the update link and using that `username` we are retrieving all the details of the user and assigning them in the update page. Then, after clicking update, an object is passed to the `visitorbean` class. Using that object, we are retrieving the updated values and updating the database.

Change password is also present here. For changing the password we are giving the username, newpassword as parameters. We can update old password with new password in database using that.

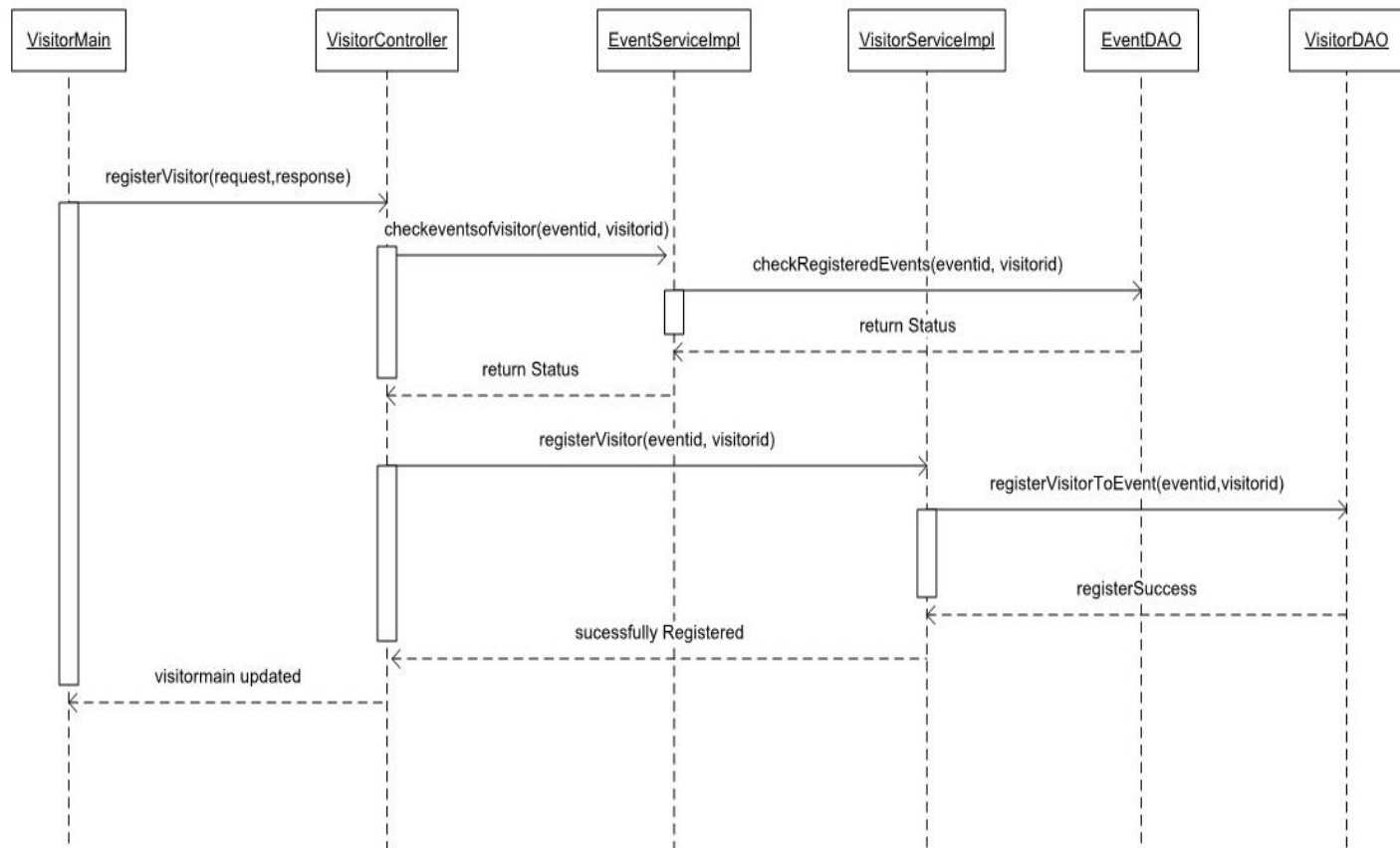
Update Visitor



Event registration module

In main-form.jsp there is a register link by clicking on that link the user get registered for the corresponding event also the flow goes to eventregistration.jsp where we are providing number of seats needed. After providing number of seats we are clicking on getseats button. Here the available seats in database get reduced and the remaining seats only shown in the main-form.

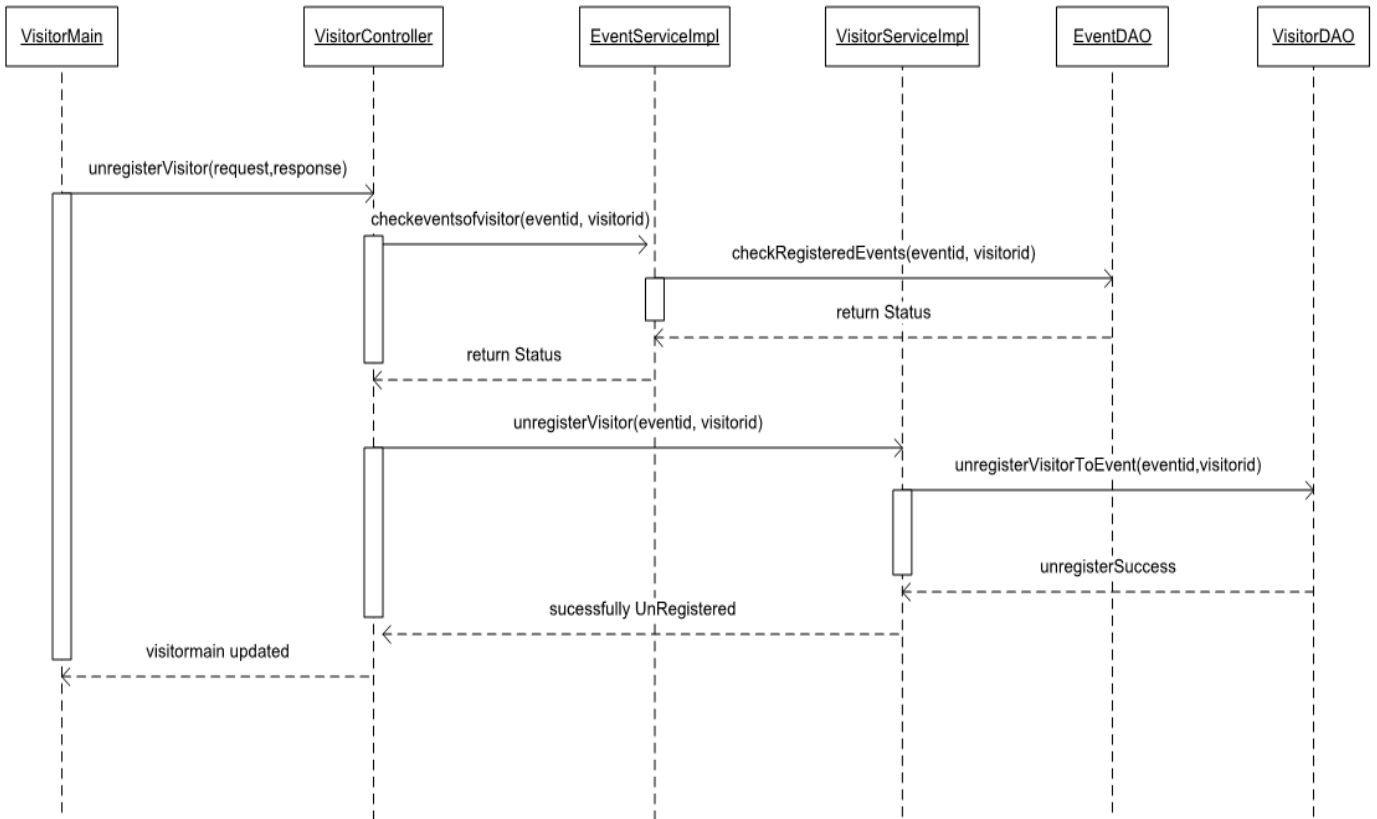
Register Event Visitor



Event Deregistration module

Here we are unregistering the events. The events that user already registered but want to unregister it then he can click on cancel+tickets link and can unregister the events. Also the available seats in the event table get increased by the number of seats deleted by user.

Unregister Event Visitor



CONCLUSION & FUTURE WORK

This project was successfully completed, within the time span allotted. Here we made attempt we made an attempt to effectively introduce the concept of event registration system. All the modules are tested separately and input together to form the main system. We also give a brief overview of the technologies used during the development of our proposed system. The project will definitely reduce the human effort and make the task of user, customer and administrator easier.

Here, management of registration form and evaluation is done very efficiently as a result of which the project has a good scope. This project can be further refined and extended by introducing new and more innovative features.

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