COP 4710 Project

Exhibition Center Event Website

(Fall 2020)

Problem:

An Exhibition center in the city hosts various events throughout the year, at multiple locations. These events are of different types: social, fundraising, tech talks, arts and craft etc. At the moment, each person who wishes to attend an event has to create a unique login on every different event host's website, in order to add each event to his/her calendar. The Exhibition center's management wants a website that would present all the different events on its own main website, which would facilitate different event managers/hosts to present their details on it, and event attendees to sign-up for these events.

Project Description:

You are asked to implement a web application that solves the aforementioned problems. Any person may register with this application to obtain a user ID and a password. There are three user levels: *superadmin* who creates a profile for an event location (name, location, description, area size, capacity of people it can host, pictures, etc.), *admin* who may host events at a certain location, and *person* who uses the application to look up information about the various events and sign up for them.

Admin can create events with name, event category, description, time, date, location, contact phone, and contact email address. Each *superadmin* is affiliated with one location, each *admin* is affiliated with one event. A user can request to create a new event location/event/or to join an existing one (depending upon who accesses this webpage).

A new event can be created by one or more people, and one of them should be assigned as an administrator. A *person* can view registered events in their dashboard, by time, location. They can retrieve events according to their level of access or scope. A user should be able to see events from all around.

There are different types of events (social, fundraising, tech talks, etc.). Each event can be either public or private. Public events can be seen by everyone; private events can be seen by the people who have been sent an invitation by the host. Events must be approved by the super admin. After an event has been published, users can add it, remove it, edit comments on the event, as well as rating the event with up to 5 stars.

Technical Requirements:

- Your implementation should follow the database design process: business operations/constraints, ER-model, the relational model, normalization, implementation etc.
- You need to come-up with relational tables and sample data that are required for the project implementation.
- Your database application must have a browser-based interface and ready to be deployed on the Internet. It must be able to support multiple concurrent users.
- Nice user interface is encouraged but not required.

- Programming languages that you can use for the project: HTML, CSS, JDBC, Java, Javascript, PHP. DBMS's: Oracle, SQL Server, and MySQL. Before using the tools that are not discussed in the class, please check with the instructor.

Extra Credits: *THIS SECTION WILL BE UPDATED*

Grading Policy:

Group Presentation and Demo	70%
Group Project Report	10%
Participation	20%
Extra Credit	30%

- **Group Presentation and Demo:** Each team has 10 minutes to demo the software. You need to use your own laptop and may host the servers on the same computer. Each team member demonstrates the functionality he/she implemented. Everyone is expected to take part in the demo.
- **Group Project Report:** This project report provides the ER diagram to explain the database design and discuss how your software is implemented using the development environments selected for your project. Each group member should upload the same report on the assignments section that will be created on webcourses.
- **Participation:** This is an individual score based on your performance at the demo presentation and your cooperation with other group members in completing the project. Each student in the group will review their peers about their engagement in the Project. Based on the majority vote, we would be deciding whether a student has really participated in the project or not. A student may want to make up for a low participation score by earning the extra credits discussed below.
- **Extra Credits:** This is a score for an individual effort on improving the team product. Student who wants to earn extra credits needs to extend the software developed by the team to add additional features.

The presentation date is Dec 9th, 2020, <u>4 pm to 6:50 pm</u>.

The project is due on Dec 9th, 2020, at 11:59pm.