Project assignment

Create a system for booking and selling tickets using HTML, CSS, JavaScript, jQuery, JSP, Servlet, jdbc and MySQL technologies. There are four types of users in the system: administrator,treasurer, registered users and unregistered users.

It should be possible for users to log in to the system. The user has the opportunity to continue working with the rest of the system after correctly entering the data. In case of incorrect data, display the corresponding message. In addition to logging in to the system, the user should be allowed to change the password and register on the home screen, in case the user is new to the system.

Registration should allow the following data to be entered:

•name,

• surname,

• user name,

• password,

• password confirmation,

• address (street and number, city), - contact phone,

• e-mail.

The administrator is in charge of reviewing the received expired registrations, and the outcome can be accepting or rejecting the request.

Unregistered user

A user who has not registered (does not have a username) can only search for events by: name (what?), Time interval from-to (when?) And venue of the event (where?), Without being able to see the details of the event and without the possibility to reserve tickets for the event (s) found. All events are displayed on the home screen. Use pagination to display events, allow up to 10 events to be displayed per page.

Registered user

After successfully logging in to the system, the registered user can find and reserve tickets for a particular event or cancel the reservation if he changes his mind. Events are searched using the same form as for an unregistered user. The completed events should not be displayed in the search results, but are visible when listing all events (set them to opacity at 0.5). When a specific event is found, the

user can view the details of that event (venue, date and time of the event, more textual information about that event, attach pictures or videos) and select the category of tickets they want to book. The reservation is valid for the next two days, after which the user no longer has the right to book tickets for the event via the Internet, if he does not buy them. Tickets are purchased at the box office, by the cashier declaring the reserved tickets purchased.

When a user reserves tickets three times and does not purchase them within the prescribed period of 48 hours, he becomes a blocked user of the ticket reservation system. The registered user has the option of viewing all the tickets, which he has currently reserved and all the tickets he has bought (for those events that have passed, the purchased tickets should be marked in a different color).

Treasurer

After successfully logging in to the system, the cashier has the opportunity to add a new event to the location where he is working. For example Arena treasurer can enter the event only for his location, change the data on the existing event and sell reserved tickets to a registered user or unreserved tickets (available tickets), to an unregistered user (ie purchase tickets directly at the box office of the location where the event takes place).

When adding a new event, for each event you enter: event name, place (location) is filled in automatically, date and time of the event, event details, pictures or video files, as well as ticket categories and ticket prices for each category (eg for some concert in the Arena, the treasurer of the Arena can enter: fan-pit, ground floor 1, ground floor 2, grandstand north level 2, grandstand west-level 2, grandstand east 2, grandstand north-level

4, etc.). For each category, the cashier must also enter the number of available tickets.

When reserving / buying tickets for an event, the user is assigned tickets that belong to the category he has chosen (it is not necessary to number the seats in a certain category, but only to set a limit - the number of available tickets in that category when entering the event). Take care not to exceed the number of reserved and purchased tickets in a category of tickets.

When entering an event, the cashier should define the maximum number of tickets that one user can buy (and thus reserve) for that event. Assume that tickets can be reserved 48 hours before the event, after which the possibility of booking tickets via the Internet is closed (but it is possible to buy at the box office until the beginning of the event).

Administrator

An administrator is a user with special privileges. The administrator has the option to add a new user, either registered or cashier. When he enters a new treasurer, he must assign him the location where he works (for each location, enter: the name of the location, address and city). List users in a table.

Other application features

It is also necessary to create a uniform appearance of the application using CSS. The use of Bootstrap or any other CSS framework is permitted. Each page should contain a menu and headers (header and footer). Also, all screens require a link to the home login screen (optional: Log out). In the input forms, perform the necessary data validations using JavaScript.