**UNIVERSITY OF AGRICULTURE FAISALABAD**

**DEPARTMENT OF COMPUTER SCIENCE**

**A logo with a circle and a crescent moon in the middle of a wheat wreath

Description automatically generated**

**Degree BS Software Engineering**

**Semester 7th**

**Section A**

**Subject SE-607**

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**Submitted To: Mr. Kareem Ullah**

**Event Management System (EMS)**  
The Event Management System is designed to streamline the planning, organization, and execution of events. It serves three primary stakeholders: Event Organizers, Attendees (Users), and System Administrators. The system facilitates functionalities such as event creation, ticket management, attendee registration, notifications, and reporting.

**Chosen Format**

I will use the **capability requirement format** as it best suits a system where stakeholders perform specific actions or require certain functionalities.

**Format:**

* *The shall be able to within of while .*

**15 Requirements for the Event Management System**

1. The event organizer shall be able to create a new event within 2 minutes of entering all required details while the system is online.
2. The event organizer shall be able to update event details within 1 minute of submission while the event is in draft mode.
3. The event organizer shall be able to delete an event within 1 minute of confirmation while no tickets have been sold.
4. The attendee shall be able to register for an event within 3 seconds of submitting valid personal details while tickets are available.
5. The attendee shall be able to view event details within 2 seconds of selecting an event while connected to the internet.
6. The attendee shall be able to purchase tickets within 5 seconds of confirming payment while the payment gateway is active.
7. The event organizer shall be able to generate a ticket sales report within 2 minutes of submitting a request while the system is under normal load conditions.
8. The system administrator shall be able to deactivate an event organizer's account within 2 minutes of receiving a valid request.
9. The attendee shall be able to receive an event confirmation email within 1 minute of successful ticket purchase.
10. The system shall notify attendees of event updates within 5 minutes of the event organizer making changes to the event details.
11. The attendee shall be able to cancel a ticket purchase within 2 minutes of initiating the cancellation while the event is not fully booked.
12. The event organizer shall be able to view attendee statistics within 5 seconds of accessing the event dashboard while the database server is active.
13. The system administrator shall be able to back up event data within 30 minutes of initiating the process while in maintenance mode.
14. The event organizer shall be able to export attendee details as a CSV file within 2 minutes of submitting a request.
15. The attendee shall be able to check-in for an event within 3 seconds of scanning a valid QR code while using the event check-in system.