

BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Quiz 2
Semester: Spring 2024

Set A
CSE 470: Software Engineering

Duration: 20 min
Full Marks: 15

Name:

ID:

Section

BRAC University has decided to develop a “BRACU Event Management System” for organizing all their festival events. To achieve this goal, the IT team is currently identifying the necessary classes and working on creating a class diagram based on the scenario they have outlined so far:

First of all, the **Event** is represented as the central entity with attributes such as the **event name, scheduled dates, place, timing, and details** about the **cultural program** to be arranged. In addition, the key role of this grand event is the **Participants**, who contribute to the festival's different **performances, management, and activities**. Each participant is differentiated by their **role (volunteer, performer, organizer)**. All of them have a profile with details like **name, expertise, experience, and availability**. To provide various **cultural experiences**, the system incorporates different Artistic Components, such as **music, dance, visual arts, and interactive exhibits**. Each component has attributes like **name, description, and specific tasks or objectives** during the festival. **Event planning** is a vital part of the festival. These planning activities include **brainstorming, Registration, Pre-event Setup, Event Days, and Post-event Evaluation**. This **planning is fully dependent on the event** which is described before. There is also a dedicated **Communication channel**, which includes features like **announcements, participant notifications, and collaboration tools for event organizers or participants**. This system aims to enhance communication among participants, organizers, and volunteers. The **Event Control Center** is established to **monitor and manage** the festival. This entity has attributes like **location, event status, and a team** of event controllers. **Data Analysis and Storage** are integrated by **Event Logs**, including participant **information, visitor feedback, and logistical details**. This helps in **post-event analysis** for future improvements. The **Emergency helpline** is designed to handle unexpected challenges during the event. This helpline provides **medical support, crowd control, and communication strategies**.

1.	CO2	A. Draw the class diagram based on the given scenario ? [12] B. What are Agile Manifesto? [3]	15
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