Cairo University   **SEM Team 15**

Faculty of Engineering

Computer Engineering Department

CMP2020

Introduction to Database Systems

Event Management System

Database Schema

Team Number: 15

Team members:

Name	Section	B.N	Contact Info
Mohamed Khaled Ahmed	2	53	mohamed.abdelwahed03@eng-st.cu.edu.eg
Ahmed Mostafa Ali	1	10	ahmedmostafa0521@gmail.com
Mohamed Khaled Mohamed	2	54	mohamed.abuelnaga03@eng-st.cu.edu.eg
Ali Bahr Hussein	1	35	alibahr313@gmail.com

Database Schema

Event Management project

Event

EventID	Name	Description	Date	stTime	endTime	Agenda	Venueid	orgTeamID

- Venueid is a FK references PK of relation Venue (ID)
  Constrains: (on delete set Null , on update cascade)
- orgTeamID is a FK references PK of relation organizingTeam(ID)
  Constrains: (on delete set Null , on update cascade)

Expenses

eventID	itemName	Quantity	Price	Description

- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)

Attendee

ID	Fname	Lname	Phone	Email

eventManager

ID	Fname	Lname	Phone	Email

Company

ID	Name	Phone	Email

companySpecialization

companyID	specializationName

- companyID is a FK references PK of Company relation (ID)
  Constrains: (on delete cascade, on update cascade)

Sponsor

Name	Phone	Email

Speaker

ID	Fname	Lname	Phone	Email

speakerSpecialization

speakerID	specializationName

- speakerID is a FK references PK of Speaker relation (ID)
  Constrains: (on delete cascade, on update cascade)

organizingTeam

ID	Name	hiringCost	Rate	leaderID

- leaderID is a FK references PK of relation leaderID (ID)
  Constrains: (on delete set Null , on update cascade)

Organizer

ID	Fname	Lname	Phone	Email	Type	orgTeamID

- orgTeamID is a FK references PK of relation organizingTeam(ID)
  Constrains: (on delete cascade , on update cascade)

Task

taskID	Description	Deadline	Status	eventID

- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)

Registration

TicketID	ticketPrice	Type	seatNum	attendeeID	eventID

- attendeeID is a FK references PK of Attendee relation (ID)
  Constrains: (on delete cascade, on update cascade)
- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)

Venue

ID	Name	Location	Capacity	pricePerHour

VenueReservation

ID	Date	stTime	endTime

- ID is a FK references PK of Venue relation (ID)
  Constrains: (on delete cascade, on update cascade)

Fund

sponsorName	eventID	fundingMoney

- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)
- sponsorName is a FK references PK of Sponsor relation (Name)
  Constrains: (on delete cascade , on update cascade)

Manages

eventID	eventManagerID

- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)
- eventManagerID is a FK references PK of eventManager relation (ID)
  Constrains: (on delete cascade , on update cascade)

Hire

eventManagerID	orgTeamID	budget

- eventManagerID is a FK references PK of eventManager relation (ID)
  Constrains: (on delete cascade , on update cascade)
- orgTeamID is a FK references PK of relation organizingTeam(ID)
  Constrains: (on delete set Null , on update cascade)

Offer

speakerID	eventManagerID	price

- eventManagerID is a FK references PK of eventManager relation (ID)
  Constrains: (on delete cascade , on update cascade)
- speakerID is a FK references PK of Speaker relation (ID)
  Constrains: (on delete cascade, on update cascade)

Offer_Event

cordinatorID	eventID	sponsorName	status

- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)
- cordinatorID is a FK references PK of Speaker relation (ID)
  Constrains: (on delete cascade, on update cascade)
- sponsorName is a FK references PK of Sponsor relation (Name)
  Constrains: (on delete cascade , on update cascade)

Recommend

companyID	speakerID	attendeeID	status

- speakerID is a FK references PK of Speaker relation (ID)
  Constrains: (on delete cascade, on update cascade)
- attendeeID is a FK references PK of Attendee relation (ID)
  Constrains: (on delete cascade, on update cascade)
- companyID is a FK references PK of company relation (ID)
  Constrains: (on delete cascade, on update cascade)

Work_On

taskID	organizerID

- taskID is a FK references PK of Task relation (ID)
  Constrains: (on delete cascade, on update cascade)
- organizerID is a FK references PK of Organizer relation (ID)
  Constrains: (on delete cascade, on update cascade)

Review

eventID	attendeeID	Comment	Rate

- attendeeID is a FK references PK of Attendee relation (ID)
  Constrains: (on delete cascade, on update cascade)
- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)

Session

speakerID	eventID	Description	Duration

- speakerID is a FK references PK of Speaker relation (ID)
  Constrains: (on delete cascade, on update cascade)
- eventID is a FK references PK of Event relation (EventID)
  Constrains: (on delete cascade , on update cascade)