

Database Management System
Conference Management System



BSCS-4A

Assignment No. 3

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Title: Conceptual and Logical Modelling

Section 3.1: Conceptual Modelling approach This section should contain the approach you have used and your justification to use this approach.

In our conference management approach, we centralize all conference-related data, processes, and activities into a unified platform, offering numerous benefits.

Streamlined Data Management:

We centralize data storage for easy access, updates, and consistency across all conference information, creating a cohesive structure.

Efficient Communication:

Implementing a centralized system enhances communication among organizers, speakers, attendees, reviewers, and sponsors, reducing gaps and improving coordination throughout the conference lifecycle.

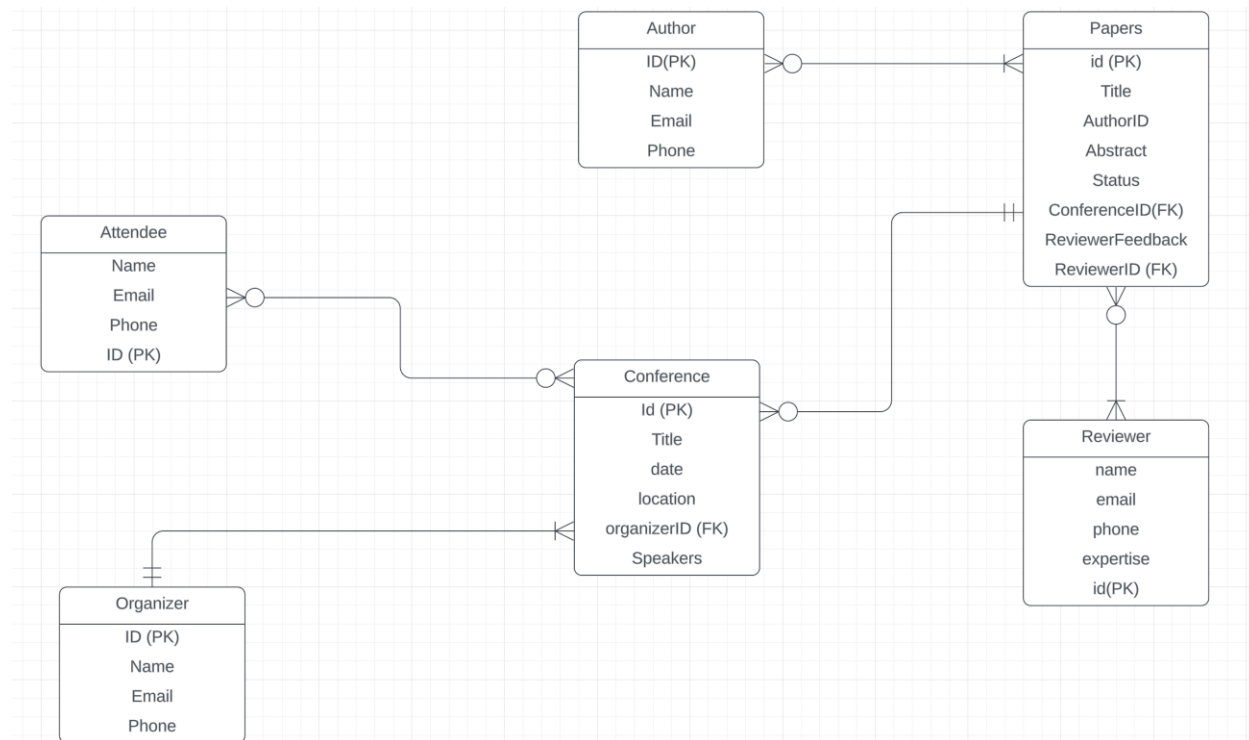
Improved Planning and Coordination:

Our centralized planning tools facilitate seamless coordination among organizers, ensuring smooth event execution and a structured conference experience.

Enhanced Attendee Experience:

Our priority is to elevate the attendee experience by offering seamless navigation, access to materials, and networking opportunities.

Section 3.2 ER Modelling List of entities, attributes and relationship ER diagram (including all ER and EER concepts)



Section 3.3 Logical Modelling Relational Schema: List of definitions of relations, with constraints identified including entity integrity constraint and referential integrity constraints. Also define domain of attributes Block and Arrow diagram: Give block and arrow diagram for your schema

1. Organizer (Organizer ID, Name, Email, Phone)
2. Attendee (Attendee ID, Name, Email, Phone)
3. Reviewer (Reviewer ID, Name, Email, Phone, Expertise)
4. Conference (Conference ID, Title, Date, Location, Organizer ID, Speakers)
5. Papers (Paper ID, Title, Author ID, Abstract, Status, Conference ID, Reviewer Feedback, Reviewer ID)
6. Author (Author ID, Name, Email, Phone)

Organizer:

- Organizer_ID: Integer (Entity-Integrity Constraint)
- Name: Alphabetic strings
- Email: String (example@example.com)
- Phone: Numeric string

Attendee:

- Attendee_ID: Integer (Entity-Integrity Constraint)
- Name: Alphabetic strings
- Email: String (example@example.com)
- Phone: Numeric string

Reviewer:

- Reviewer_ID: Integer (Entity-Integrity Constraint)
- Name: Alphabetic strings
- Email: String (example@example.com)
- Phone: Numeric string
- Expertise: Alphanumeric strings

Conference:

- Conference_ID: Integer (Entity-Integrity Constraint)
- Title: Alphabetic strings
- Date: Date
- Location: Alphabetic strings
- Organizer_ID: Integer (Referential Integrity Constraint)
- Speakers: Alphabetic Strings

Papers:

- Paper_ID: Integer (Entity-Integrity Constraint)
- Title: Alphabetic strings
- Author_ID: Integer (Referential Integrity Constraint)
- Abstract: String or Text
- Status: Alphabetic strings
- Conference_ID: Integer (Referential Integrity Constraint)
- Reviewer_Feedback: String or Text
- Reviewer_ID: Integer (Referential Integrity Constraint)

Author:

- Author_ID: Integer (Entity-Integrity Constraint)
- Name: Alphabetic strings
- Email: String (example@example.com)
- Phone: Numeric string

Attendee

Attendee_ID	Name	Email	Phone
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Organizer

Organizer_ID	Name	Email	Phone
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Reviewer

Reviewer_ID	Name	Email	Phone	Expertise
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Conference

Conference_ID	Title	Date	Location
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Papers

Paper_ID	Title	Author_ID	Abstract	Status	Conference_ID	Reviewer_Feedback	Reviewer_ID
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Author

Author_ID	Name	Email	Phone
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