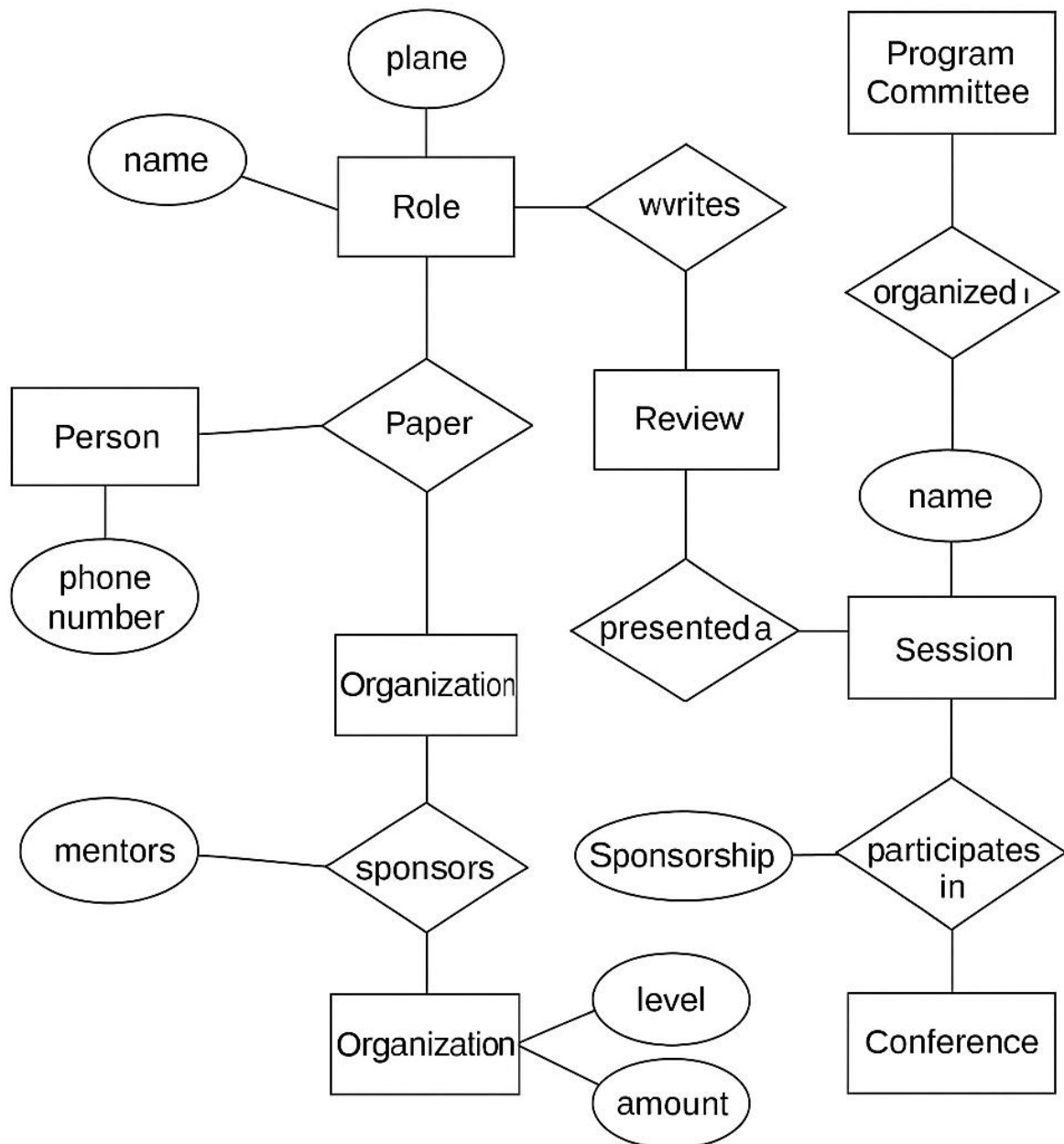


Entities

- Person
- Phone
- Paper
- Session
- Conference
- ProgramCommittee
- Organization
- Collaboration
- Sponsorship
- Partnership

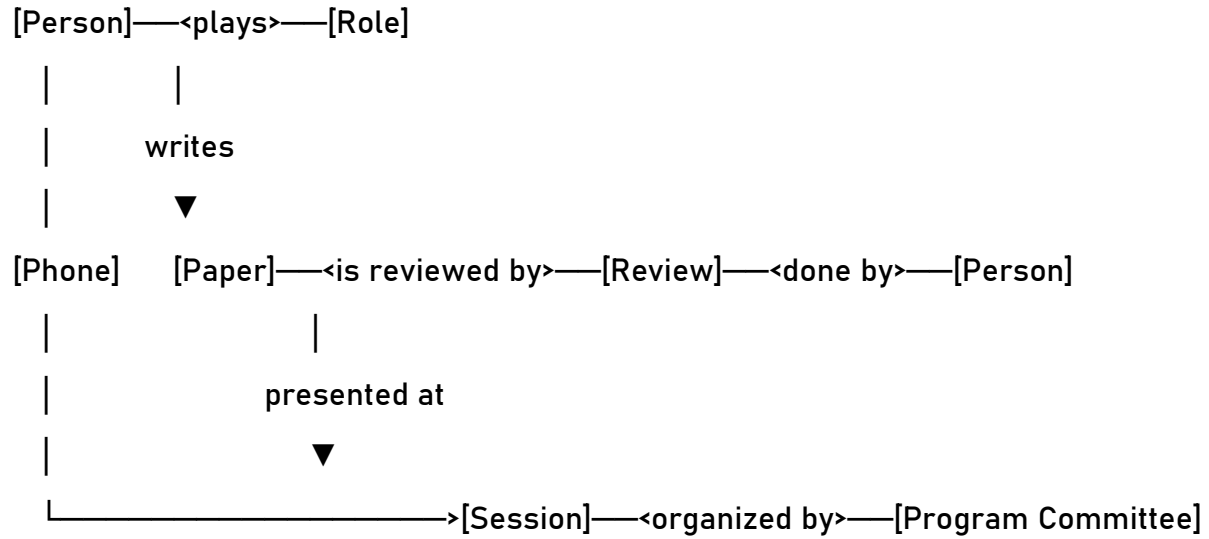
Relationships

- A Person has roles: attendee, researcher, reviewer (M:N)
- A Person has multiple phones
- A Researcher writes Paper
- A Reviewer reviews Paper
- A Paper is presented in a Session
- A Session is organized by a Program Committee
- Experienced Person mentors Junior Person
- Organizations sponsor Conferences (with level & amount)
- Organizations collaborate in projects linked to Conference
- Organizations can form partnerships with each other



Requirement from Scenario	Entity / Table	Relationships
People from around the world attend	Person, Role	Person ↔ Role (attendee, reviewer, etc.)
Researchers write & present papers	Paper	Person (as author) ↔ Paper

Requirement from Scenario	Entity / Table	Relationships
Papers reviewed during sessions	PaperReviewer, Session	Paper ↔ Reviewer ↔ Session
Sessions organized by a program committee	Session, ProgramCommittee	ProgramCommittee ↔ Session
Researchers mentor juniors	Mentorship	Person self-referencing (mentor → mentee)
People may have multiple phone numbers	Phone	Person ↔ Phone
Organizations sponsor the conference	Sponsorship	Organization ↔ Conference
Sponsorship details recorded	Sponsorship	Attributes: level, amount
Collaboration in large projects	Collaboration, CollaborationOrg	Many organizations ↔ projects ↔ conference
Organizations form partnerships	Partnership	Self-referencing between Organization



[Person]—<mentors>—[Person]

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[Person]—<belongs to>—[Organization]—<sponsors>—[Conference]
      |
      [Sponsorship: level, amount]

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[Organization]—<partners in>—[Project]—<collaborated by>—[Person]

[Organization]—<forms>—[Partnership]

[Person]—<participates in>—[Conference]

[Paper]—<published as>—[Publication]