



Cairo University

Faculty of Engineering

Computer Engineering Department

CMP2020



SEM Team 15

Introduction to Database Systems

Event Management System

Project Proposal

Team Number: 15

Team members:

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Event Management

Project Overview:

Create an Event Management System designed to streamline the planning, execution, and analysis of events. This system will cater to various types of events, including conferences, seminars, workshops, and social gatherings, offering comprehensive features for efficient event organization.

Users:

1. Event Manager

- a. Event Planning:
defining goals, budgeting, and scheduling.
- b. Selecting speakers
- c. Deal with sponsors
- d. Selecting Organizing team

2. Organizing Team Members

responsible for:

- a. attendee registration.
- b. Venue setup (Selecting and organizing)
- c. Agenda planning
- d. Has different users specified to his/her role.

3. Speakers

- a. Accept event offers.
- b. Provide the presentation materials.
- c. Maintains a calendar for his events.
- d. Recommend attendees for companies.

4. Sponsors Coordinator

- a. Deal with sponsor and suppliers.
- b. Choose best offer among sponsors.

5. Sponsors

- a. Offers the sponsorship for the event.

6. Attendees

- a. Apply for event he wants attend.
- b. Review the event.
- c. Check the review of the event.

Entities:

1. Event

Represents a specific happening or occasion, encompassing essential details.

2. Event Manger

Represents the individual overseeing and managing the overall event planning, logistics, choose speakers, and coordination.

3. Organizing team

Represents a collective group involved in organizing specific tasks related to the event.

4. Organizing Team members

Responsible for planning, coordinating, executing the event, registration process and negotiating with sponsors.

5. Attendee

Represents individuals participating in the event.

6. Speaker

Refers to individuals delivering speeches, presentations, or sessions during the event.

7. Registration

Tracks attendees' registrations, indicating which events they've registered for.

8. Agenda

Outlines the schedule, sessions, or activities planned for an event.

9. Venue

Describes the physical location where the event takes place.

10. Sponsor

Represents organizations providing financial or other support for the event.

11. Expenses

Manages financial aspects of the event, tracking expenses, revenue generated, and the overall budget balance.

12. Feedback

Collects feedback from attendees, including ratings and comments, to evaluate the event's success, evaluate speakers and areas for improvement.

13. Task

Tracks various tasks assigned to the organizing team members for event planning and execution.

14. Companies

Tracks various companies which speakers can offer them attendees.

Relationships:

1. Event - Event Manager Relationship:

Each event is managed by one event manager who manages the planning, logistics, and coordination of the event.

2. Event - Expenses Relationship:

Each event has its own budget to track expenses, revenue, and overall financial status.

3. Event - Organizing Team Relationship:

Each event is supported by an organizing team responsible for various tasks such as registration, venue setup, agenda planning, etc.

4. Event - Venue Relationship:

Each event is associated with a specific venue where it takes place, detailing the location and facilities.

5. Event - Sponsor Relationship:

Multiple sponsors can support a single event, contributing financially or otherwise.

6. Event - Attendees Relationship:

Multiple attendees can be associated with a single event through their registrations.

7. Event - Speaker Relationship:

An event can host multiple speakers who deliver speeches or presentations during the event.

8. Event - Agenda Relationship:

Each event has its own agenda specifying the schedule, sessions, and activities planned.

9. Organizing Team - Organizer Relationship:

The Organizing Team consists of multiple Organizing Members who collaborate and contribute to specific tasks or aspects of event planning.

10. Event Manager - Organizing Team Relationship:

The Event Manager oversees the Organizing Team.

11. Organizer - Task Relationship:

Organizers are assigned specific tasks within the Event.

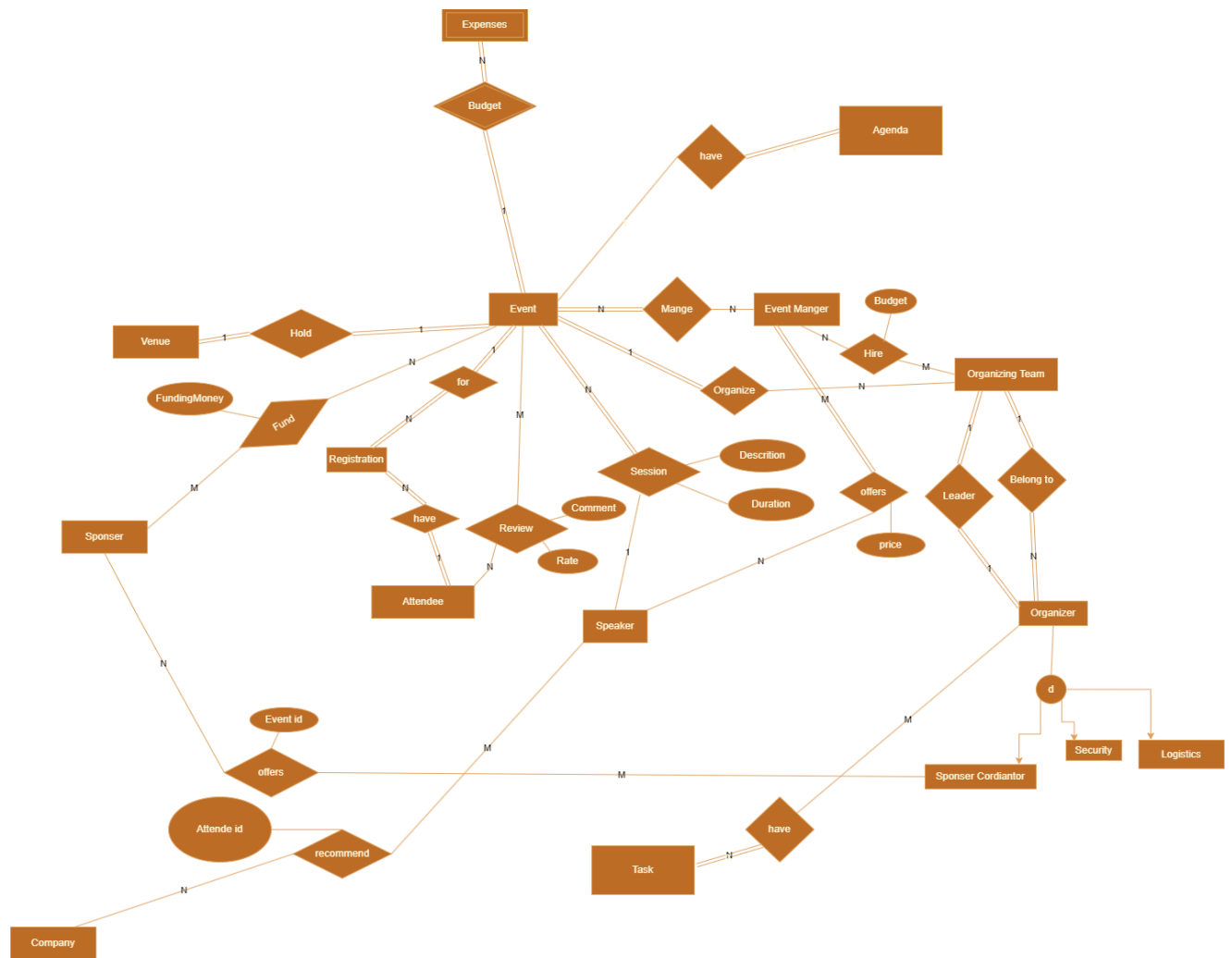


Figure 1:ERD without attributes

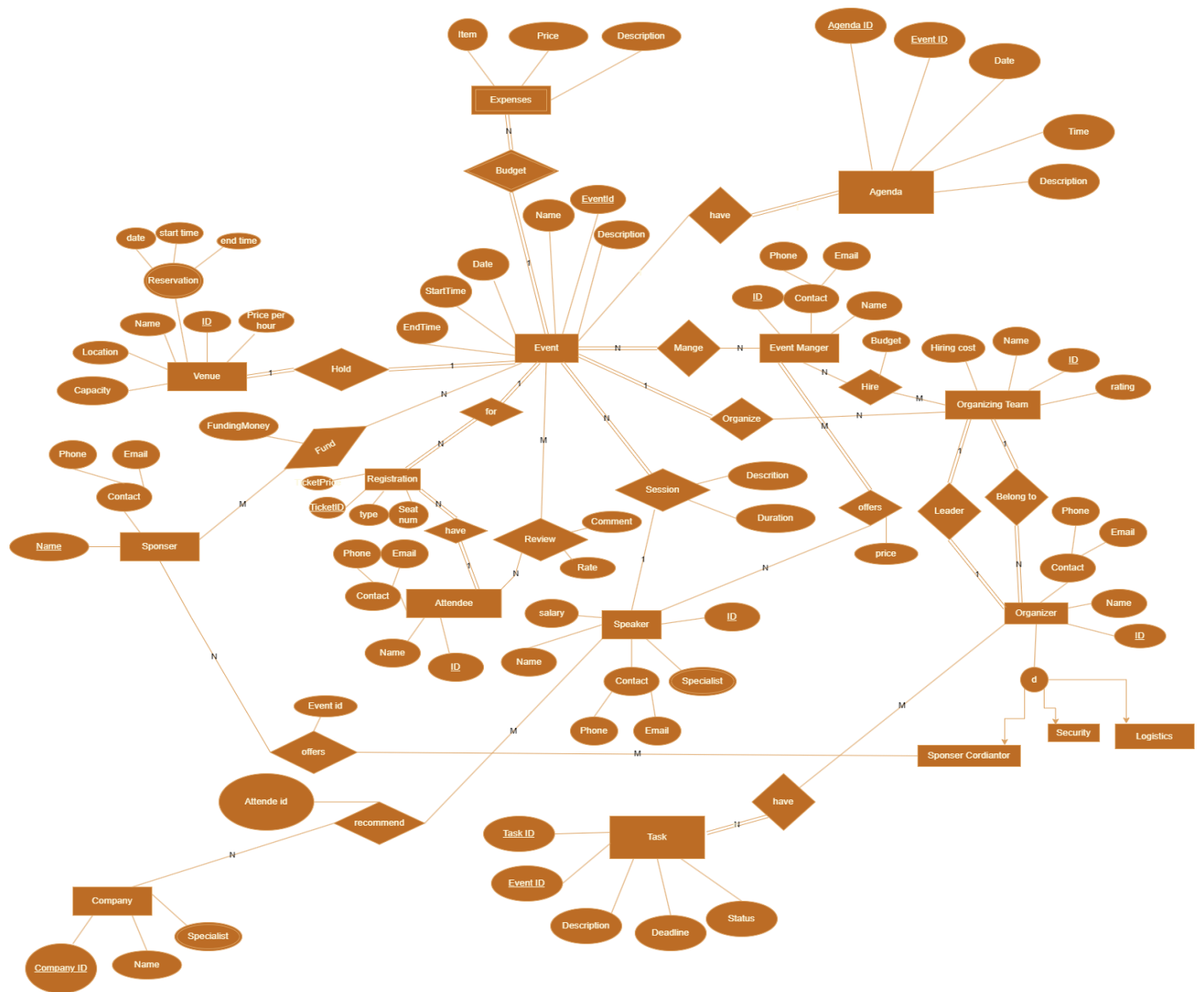


Figure 2:ERD