SAL COLLEGE OF ENGINEERING

POSTER PRESENTATION 2025

ER MODELS

Abstract

Entity–Relationship (ER) models show how data is organized using entities and relationships. They help design clear, consistent, and efficient databases with reduced redundancy and better data integrity.

Introduction

The Entity–Relationship (ER) model is a way to visually represent data using entities and relationships. It helps design clear and well-organized databases.

Technology / Methods/ Algorithm

ER modeling uses entities, attributes, and relationships. ER diagrams visually represent data structure for clear and efficient database design.

Results / Outcome

ER modeling produces a clear and structured database design, reduces data redundancy, ensures data integrity, and improves communication between developers and users.

Conclusion

ER models help design clear, organized, and efficient databases with reduced redundancy and improved data integrity.

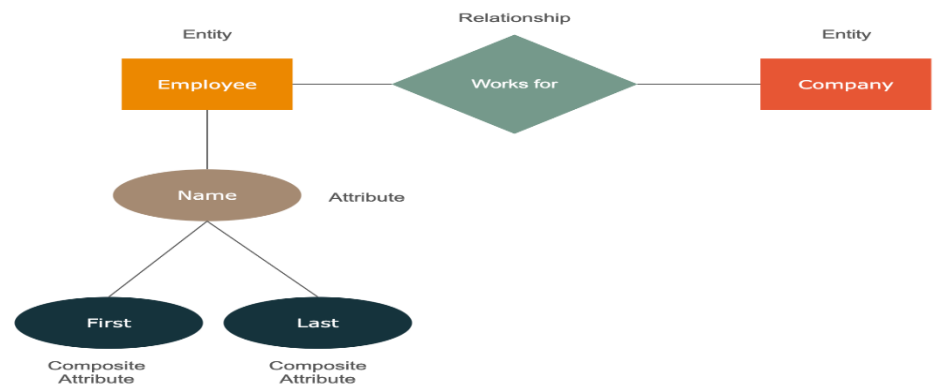
Objectives

- Represent real-world data clearly using entities and relationships.
- Improve communication between developers and users.

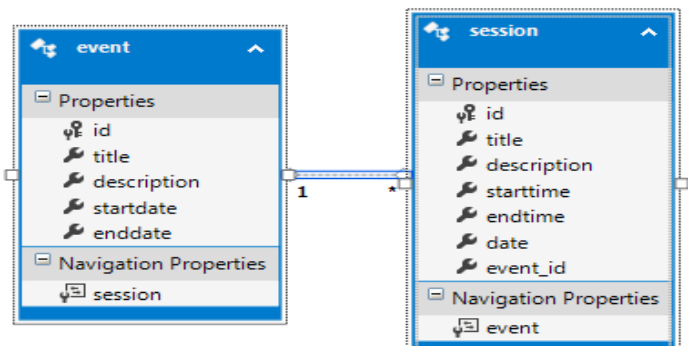
Objectives

ER models can be used in cloud databases, Big Data, AI-based design, IoT, and real-time data systems.

Workflow / Process / Flow Chart



Prototype



1. https://www.tutorialspoint.com/dbms/dbms_entity_relationship_model/

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