**EXPERIMENT – 4**

OBJECTIVE:

Design an entity relationship diagram for the identified system.

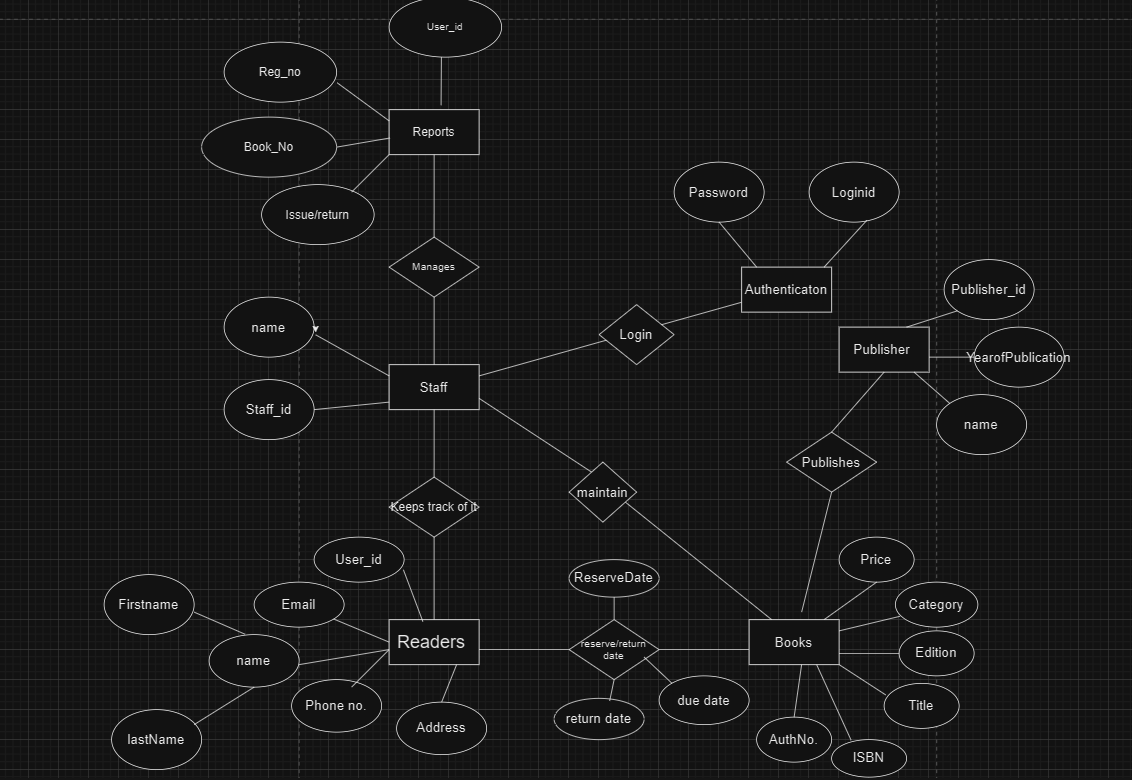
INTRODUCTION:

The Entity relationship diagram explains the relationship among the entities present in the database. ER models are used to model real – world objects like a person like a person, a car or a company. In short ER diagram is a structural format of the database.

ER model is used to model the logical view of the system from a data perspective which consists if these symbols:

* Rectangle: Rectangles represent Entities in the ER model.
* Ellipses: they represent Attributes in the ER Model.
* Diamond: Diamonds represent the relationships among Entities.
* Lines: Lines represent attributes to entities and entity sets with other relationship types.
* Double Ellipse: Double Ellipses represent Multi – Valued Attributes.
* Double Rectangle: Double Rectangle represents a Weak Entity.

Entity relationship diagram for library management System:



CONCLUSION :

In Summary , the entity relationship diagram is a method used in software engineering to produce a conceptual data model of an information system . Diagrams created using this ER – modelling method are called Entity Relationship Diagrams or ERD.

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Introduction

Purpose of this document

Scope of this document

Overview

(Sab ka sab 12)

General description: user characteristics, importance, features, user community

Functional requirement

Interface Requirement

Performance Requirement

Design Constraints

Non functional attributes

Initial schedule and budget

Appendix (optional)

Conclusion